



# S&M TECHNOLOGY

**2025 Product Guide**

# PURSUIT OF PERFECTION

## Developing and manufacturing since 2005

S&M Technology is a company that prioritizes continuous technological development and quality improvement.

We are a manufacturer that relies 100% on our own technology, from the initial manufacturing stages of unmanned surveillance equipment to final completion.

For the past 20 years, we have secured comprehensive technology in unmanned surveillance equipment through relentless efforts to develop our own modules. Additionally, we provide high-performance products to users by combining usability and convenience with differentiated product design, achieved through in-house mold investment.

The year 2011 marked a significant milestone for us, as we invested in 520,000 cameras and HD cameras, while also improving our existing product lineup. We are committed to ensuring that our customers enjoy high added value.

S&M is ushering in a new digital era based on a spirit of ownership, creativity, challenge, and dedication to the best quality and service. We will do our utmost to build a company that grows alongside our customers.

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# 1. BOX Camera

SBOXA

## SBOXA-1E66E



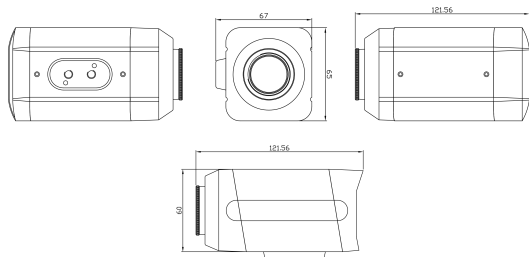
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- Standard Box Type
- Aluminum Die Casting

### Dimensions



### SBOXA-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.01 Lux @ F1.2   0.001 Lux @ F1.2
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	-
Focal Length	-
Aperture Ratio	-
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	121.56mm x 67mm x 65mm

## SBOXA-1G66E



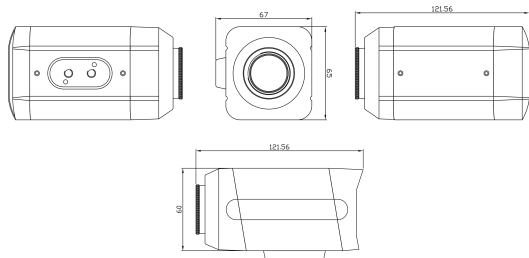
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- Standard Box Type
- Aluminum Die Casting

### Dimensions



### SBOXA-1G66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux @ F1.2   0.005 Lux @ F1.2
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	-
Focal Length	-
Aperture Ratio	-
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440.....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	240mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	121.56mm x 67mm x 65mm

# Analog HD - 2MP BOX Camera

## SBOXA-1D71D



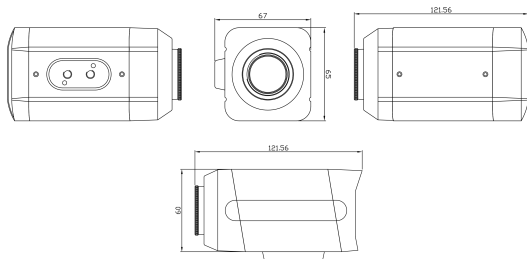
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- Standard Box Type
- Aluminum Die Casting

### Dimensions



### SBOXA-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS

Lens Type	-
Focal Length	-
Aperture Ratio	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	121.56mm x 67mm x 65mm

# Analog HD - 4MP BOX Camera

## SBOXA-1G81D



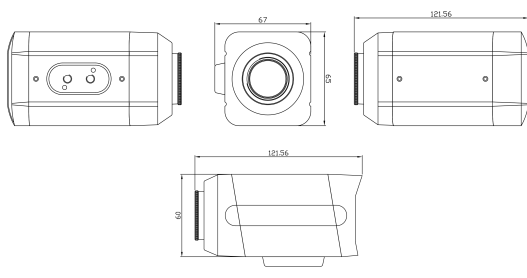
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- Standard Box Type
- Aluminum Die Casting

### Dimensions



### SBOXA-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS

Lens Type	-
Focal Length	-
Aperture Ratio	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	121.56mm x 67mm x 65mm

The image shows the front view of a bullet camera lens assembly. It features a central lens surrounded by a ring of 12 infrared (IR) LEDs. The LEDs are arranged in two rows of six. The camera housing is black, and the lens is clear. The text "2. BULLET Camera" is overlaid in white, and "SIBBA" is overlaid in yellow. Below that, "77mm Diameter" and "Power IR LED" are overlaid in white.

## 2. BULLET Camera

**SIBBA**

77mm Diameter  
Power IR LED

# IP - 2MP BULLET Camera

## SIBBA-1E66E8T



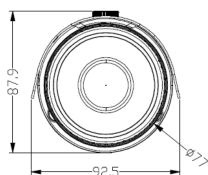
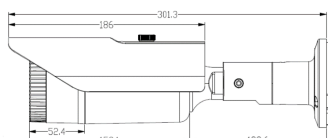
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1E66E8T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 210mA   IR LED on : 670mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# IP - 5MP BULLET Camera

## SIBBA-1G66E8T



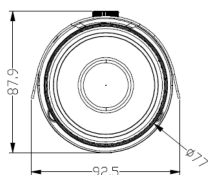
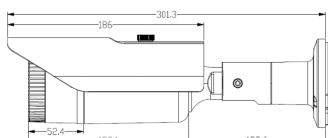
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1G66E8T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 240mA   IR LED on : 790mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# IP - 8MP BULLET Camera

## SIBBA-1N29E8T



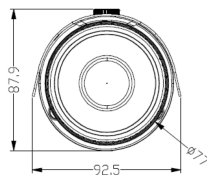
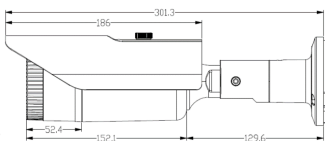
### Features

- 1/1.8" Sony RGB Bayer Array CMOS Sensor
- Progressive Scan
- 3856 x 2200 (8.48 MP)
- 3840 x 2160 @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1N29E8T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	3856 x 2200 (8.48 MP)
Effective Pixels	3840 x 2160 (8.29 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color: 0.007 Lux   B&W: 0.0007 Lux   IR LED on: 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs

#### CAMERA FUNCTIONS

High Dynamic Range	DOL HDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	3840x2160 (4 K), 2592x1944 (5 MP), 1920x1080 (2 MP) ..... etc
Video Frame Rate	3840 X 2160 (4K) @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 240mA   IR LED on : 790mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# Analog HD - 2MP BULLET Camera (IR LED)

## SIBBA-1D71D8T



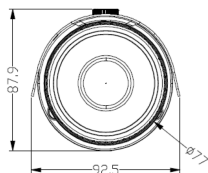
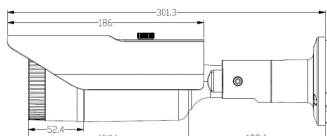
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1D71D8T

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 100mA   IR LED on : 560mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# Analog HD - 4MP BULLET Camera (IR LED)

## SIBBA-1G81D8T



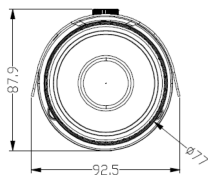
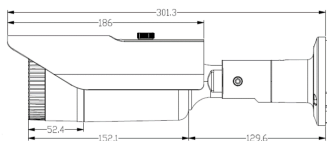
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1G81D8T

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 150mA   IR LED on : 610mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# Analog HD - 4MP BULLET Camera (IR LED & 1/2" sensor)

## SIBBA-1M83D8T



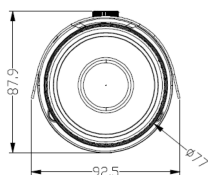
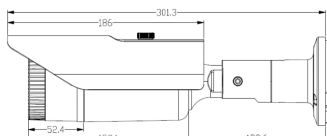
### Features

- 1/1.8" Sony STARVIS II CMOS Sensor
- IMX664
- ISP - EN781F
- Progressive Scan
- 2560 x 1440 (4 MP)
- Real WDR @ 30fps
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.005 Lux | B&W: 0.0001 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 4.42–9.51mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1M83D8T

#### CAMERA

Image Sensor	1/1.8" 4.16 Megapixel Sony STARVIS II CMOS Sensor - IMX664
ISP	EYENIX EN781F
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.005 Lux   B&W: 0.0001 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	4.42–9.51mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
Digital Zoom	x16
DIS	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off: 160mA   IR LED on: 620mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# Analog HD - 8MP BULLET Camera (IR LED)

## SIBBA-1L81D8T



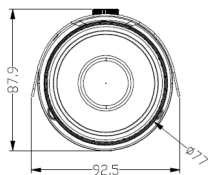
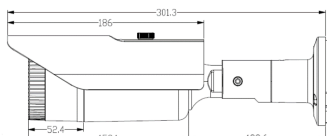
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 x 2160 (8.29 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.07 Lux | B&W: 0.007 Lux | IR LED on: 0 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 4.3mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1L81D8T

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor - IMX515
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Effective Pixels	3840 x 2160 (8.29 MP)
Video Output Resolution	8.29MP (16:9), 3840 x 2160 @ 15 fps Downscale Mode (Switchable): 1440P or 1080P @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.07 Lux   B&W: 0.007 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 180mA   IR LED on : 640mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)



### 3. BULLET Camera

**SIBBA**

77mm Diameter

No IR LED

# IP - 2MP BULLET Camera

## SIBBA-1E66E



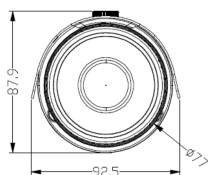
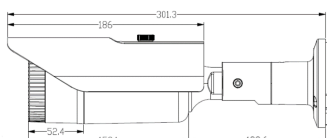
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# IP - 5MP BULLET Camera

## SIBBA-1G66E



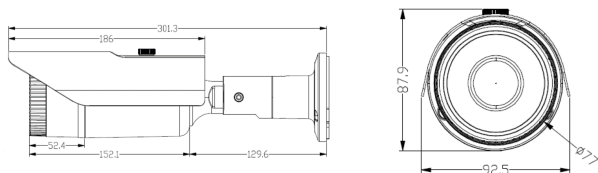
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1G66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	240mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# IP - 8MP BULLET Camera

## SIBBA-1N29E



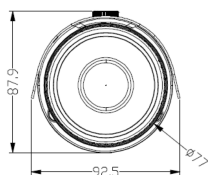
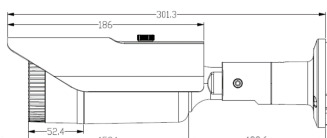
### Features

- 1/1.8" Sony RGB Bayer Array CMOS Sensor
- Progressive Scan
- 3856 x 2200 (8.48 MP)
- 3840 x 2160 @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1N29E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	3856 x 2200 (8.48 MP)
Effective Pixels	3840 x 2160 (8.29 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color: 0.007 Lux   B&W: 0.0007 Lux   IR LED on: 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

High Dynamic Range	DOL HDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	3840x2160 (4 K), 2592x1944 (5 MP), 1920x1080 (2 MP) ..... etc
Video Frame Rate	3840 X 2160 (4K) @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	240mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# Analog HD - 2MP BULLET Camera

## SIBBA-1D71D



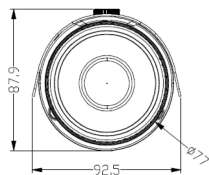
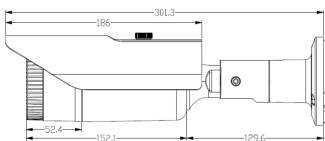
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# Analog HD - 4MP BULLET Camera

## SIBBA-1G81D



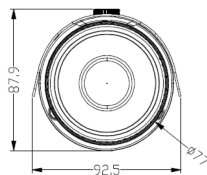
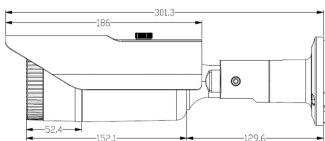
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# Analog HD - 4MP BULLET Camera (1/2" Sensor)

## SIBBA-1M83D



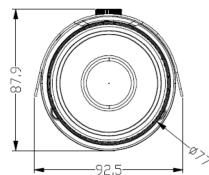
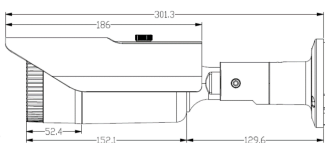
### Features

- 1/1.8" Sony STARVIS II CMOS Sensor
- IMX664
- ISP - EN781F
- Progressive Scan
- 2560 x 1440 (4 MP)
- Real WDR @ 30fps
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.005 Lux | B&W: 0.0001 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 4.42–9.51mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1M83D

#### CAMERA

Image Sensor	1/1.8" 4.16 Megapixel Sony STARVIS II CMOS Sensor - IMX664
ISP	EYENIX EN781F
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.005 Lux   B&W: 0.0001 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	4.42–9.51mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
Digital Zoom	x16
DIS	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	160mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# Analog HD - 8MP BULLET Camera

## SIBBA-1L81D



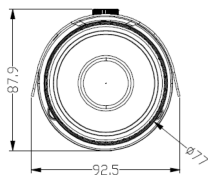
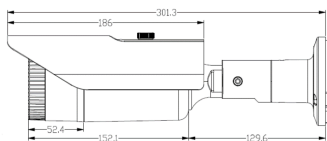
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 x 2160 (8.29 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.07 Lux | B&W: 0.007 Lux | IR LED on: 0 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor - IMX515
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Effective Pixels	3840 x 2160 (8.29 MP)
Video Output Resolution	8.29MP (16:9), 3840 x 2160 @ 15 fps Downscale Mode (Switchable): 1440P or 1080P @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.07 Lux   B&W: 0.007 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# 4. BULLET Camera

**SIBMC**

65mm Diameter



\* Image : 65pi bullet camera, Grey color

# IP - 2MP BULLET Camera

## SIBMC-1E66E24T



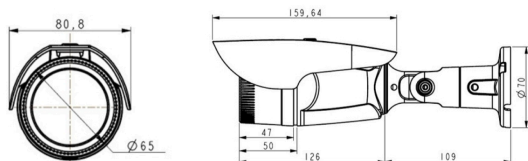
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1E66E24T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 210mA   IR LED on : 410mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# IP - 5MP BULLET Camera

## SIBMC-1G66E24T



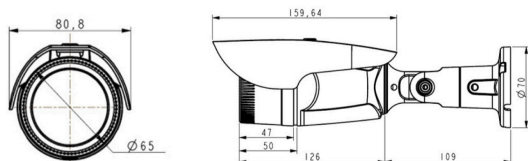
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1G66E24T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 240mA   IR LED on : 530mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# Analog HD - 2MP BULLET Camera

## SIBMC-1D71D24T



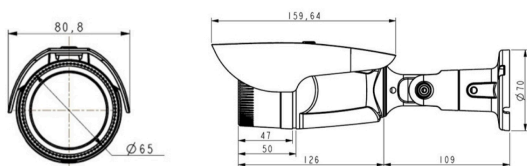
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1D71D24T

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 100mA   IR LED on : 300mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# Analog HD - 4MP BULLET Camera

## SIBMC-1G81D24T



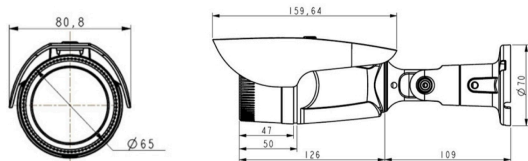
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1G81D24T

SIBMC-1G81D24T	
<b>CAMERA</b>	
Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
<b>LENS &amp; IR LED</b>	
Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs
<b>CAMERA FUNCTIONS</b>	
OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese
<b>GENERAL</b>	
Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 150mA   IR LED On : 350mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# IP - 2MP BULLET Camera

## SIBMC-1E66E



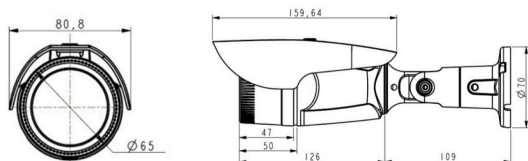
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto & Manual Min. 1/30,000 sec ~ Max. 1/30 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# IP - 5MP BULLET Camera

## SIBMC-1G66E



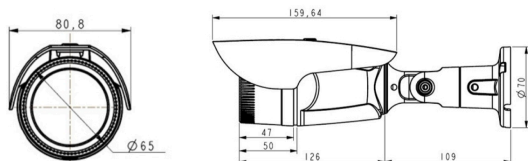
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1G66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	330mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# Analog HD - 2MP BULLET Camera

## SIBMC-1D71D



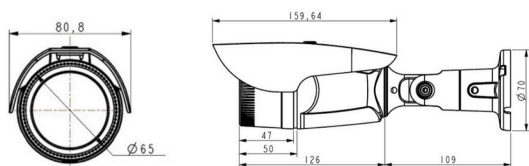
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC : 1/30 sec ~ 1/30,000 sec
	PAL : 1/25 sec ~ 1/25,000 sec
AGC	1 ~ 10 Step
Sens Up	Off / X2 ~ X32
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# Analog HD - 4MP BULLET Camera

## SIBMC-1G81D



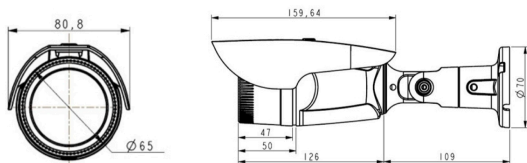
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

A close-up, front-facing view of a dome camera. The camera is black and has a central lens surrounded by a dark, circular ring. Eight infrared (IR) LEDs are arranged in a circular pattern around the lens. The camera is mounted on a light-colored, circular base. The background is dark and out of focus.

SDPBA

# 5. INDOOR DOME Camera

100mm Diameter  
IR LED

# IP - 2MP INDOOR DOME Camera

## SDPBA-1E66E6T



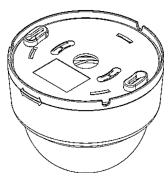
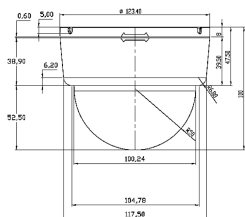
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 6pcs POWER IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1E66E6T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 6pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 210mA   IR LED on : 530mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# IP - 5MP INDOOR DOME Camera

## SDPBA-1G66E6T



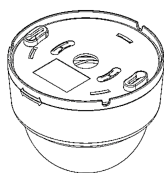
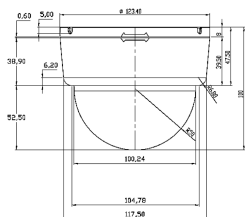
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 6pcs POWER IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1G66E6T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 6pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440.....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 240mA   IR LED on : 650mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# Analog HD - 2MP INDOOR DOME Camera

## SDPBA-1D71D6T



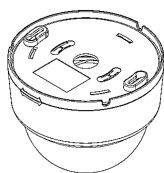
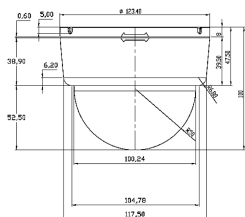
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 6pcs POWER IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1D71D6T

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 6pcs

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 100mA   IR LED on : 420mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# Analog HD - 4MP INDOOR DOME Camera

## SDPBA-1G81D6T



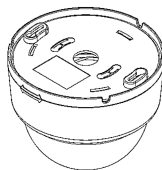
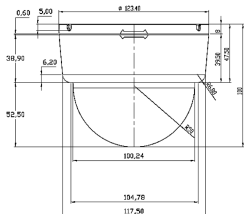
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 6pcs POWER IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1G81D6T

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 6pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 150mA   IR LED on : 470mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# Analog HD - 4MP INDOOR DOME Camera (1/2" Sensor)

## SDPBA-1M83D6T



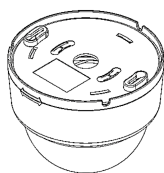
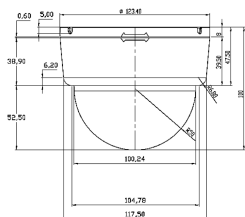
### Features

- 1/1.8" Sony STARVIS II CMOS Sensor
- IMX664
- ISP - EN781F
- Progressive Scan
- 2560 x 1440 (4 MP)
- Real WDR @ 30fps
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.005 Lux | B&W: 0.0001 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 4.42–9.51mm (F1.4) Motorized Varifocal Lens
- 6pcs POWER IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1M83D6T

#### CAMERA

Image Sensor	1/1.8" 4.16 Megapixel Sony STARVIS II CMOS Sensor - IMX664
ISP	EYENIX EN781F
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.005 Lux   B&W: 0.0001 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	4.42–9.51mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 6pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
Digital Zoom	x16
DIS	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 160mA   IR LED on : 480mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# Analog HD - 8MP INDOOR DOME Camera

## SDPBA-1L81D6T



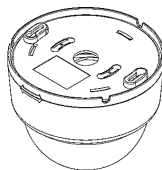
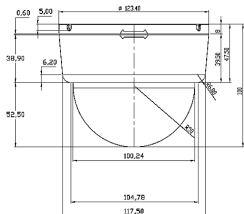
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 x 2160 (8.29 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.07 Lux | B&W: 0.007 Lux | IR LED on: 0 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 6pcs POWER IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 4.3mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1L81D6T

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor - IMX515
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Effective Pixels	3840 x 2160 (8.29 MP)
Video Output Resolution	8.29MP (16:9), 3840 x 2160 @ 15 fps Downscale Mode (Switchable): 1440P or 1080P @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.07 Lux   B&W: 0.007 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 6pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 180mA   IR LED on : 500mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)



**SDPBA**

# 6. INDOOR DOME Camera

100mm Dome Diameter

# IP - 2MP INDOOR DOME Camera

## SDPBA-1E66E



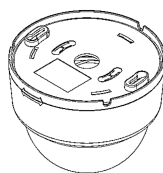
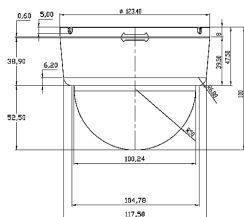
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# IP - 5MP INDOOR DOME Camera

## SDPBA-1G66E



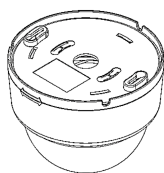
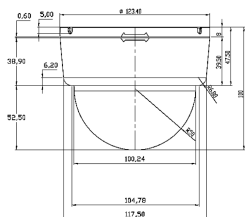
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1G66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440.....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	240mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# Analog HD - 2MP INDOOR DOME Camera

## SDPBA-1D71D



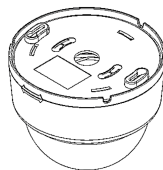
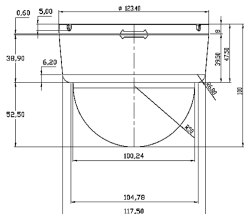
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# Analog HD - 4MP BULLET Camera

## SDPBA-1G81D



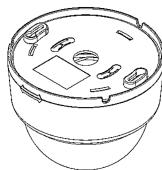
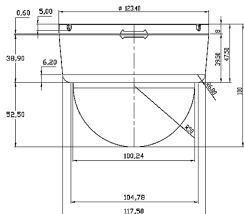
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# Analog HD - 4MP BULLET Camera (1/2" Sensor)

## SDPBA-1M83D



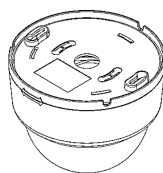
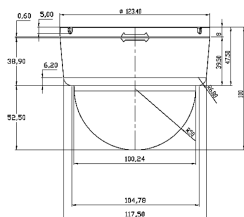
### Features

- 1/1.8" Sony STARVIS II CMOS Sensor
- IMX664
- ISP - EN781F
- Progressive Scan
- 2560 x 1440 (4 MP)
- Real WDR @ 30fps
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.005 Lux | B&W: 0.0001 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 4.42–9.51mm (F1.4) Motorized Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1M83D

#### CAMERA

Image Sensor	1/1.8" 4.16 Megapixel Sony STARVIS II CMOS Sensor - IMX664
ISP	EYENIX EN781F
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.005 Lux   B&W: 0.0001 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	4.42–9.51mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
Digital Zoom	x16
DIS	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	160mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# Analog HD - 8MP BULLET Camera

## SDPBA-1L81D



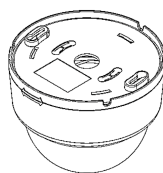
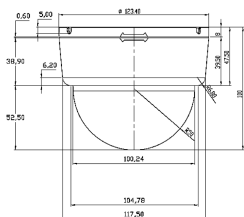
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 x 2160 (8.29 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.07 Lux | B&W: 0.007 Lux | IR LED on: 0 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123.4mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor - IMX515
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Effective Pixels	3840 x 2160 (8.29 MP)
Video Output Resolution	8.29MP (16:9), 3840 x 2160 @ 15 fps Downscale Mode (Switchable): 1440P or 1080P @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.07 Lux   B&W: 0.007 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)



## 7. INDOOR DOME Camera

**SDPMC**

80mm Dome Diameter

IR LED



# IP - 2MP INDOOR DOME Camera

## SDPMC-1E66E24T



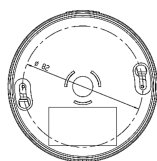
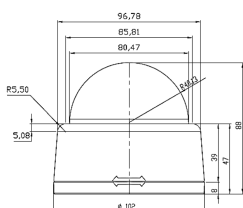
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1E66E24T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 210mA   IR LED on : 410mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# IP - 5MP INDOOR DOME Camera

## SDPMC-1G66E24T



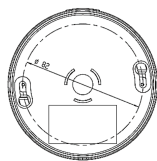
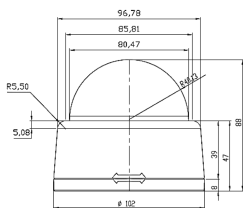
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1G66E24T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 240mA   IR LED on : 530mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# Analog HD - 2MP BULLET Camera

## SDPMC-1D71D24T



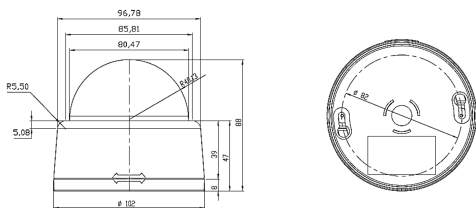
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



SDPMC-1D71D24T	
<b>CAMERA</b>	
Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
<b>LENS &amp; IR LED</b>	
Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs
<b>CAMERA FUNCTIONS</b>	
OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On
<b>GENERAL</b>	
Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 100mA   IR LED on : 300mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# Analog HD - 4MP BULLET Camera

## SDPMC-1G81D24T



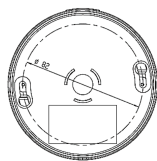
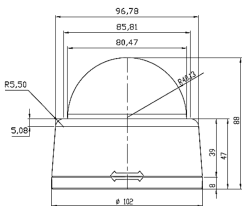
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1G81D24T

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 150mA   IR LED on : 350mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# Analog HD - 4MP BULLET Camera (1/2" Sensor)

## SDPMC-1M83D24T



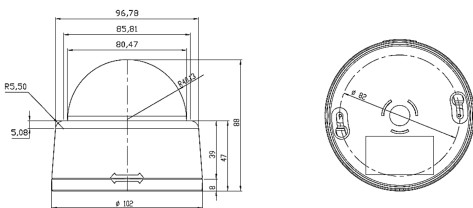
### Features

- 1/1.8" Sony STARVIS II CMOS Sensor
- IMX664
- ISP - EN781F
- Progressive Scan
- 2560 x 1440 (4 MP)
- Real WDR @ 30fps
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.005 Lux | B&W: 0.0001 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 4.42–9.51mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



SDPMC-1M83D24T	
<b>CAMERA</b>	
Image Sensor	1/1.8" 4.16 Megapixel Sony STARVIS II CMOS Sensor - IMX664
ISP	EYENIX EN781F
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.005 Lux   B&W: 0.0001 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
<b>LENS &amp; IR LED</b>	
Lens Type	Manual Varifocal Lens
Focal Length	4.42–9.51mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs
<b>CAMERA FUNCTIONS</b>	
OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
Digital Zoom	x16
DIS	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese
<b>GENERAL</b>	
Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 160mA   IR LED on : 360mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# Analog HD - 8MP BULLET Camera

## SDPMC-1L81D24T



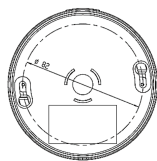
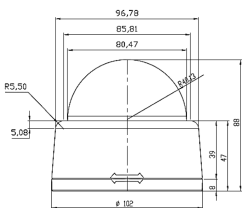
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 x 2160 (8.29 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.07 Lux | B&W: 0.007 Lux | IR LED on: 0 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1L81D24T

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor - IMX515
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Effective Pixels	3840 x 2160 (8.29 MP)
Video Output Resolution	8.29MP (16:9), 3840 x 2160 @ 15 fps Downscale Mode (Switchable): 1440P or 1080P @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.07 Lux   B&W: 0.007 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 180mA   IR LED on : 380mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)



**SDPMC**

# **8. INDOOR DOME Camera**

80mm Dome Diameter

IR LED

# IP - 2MP INDOOR DOME Camera

## SDPMC-1E66E



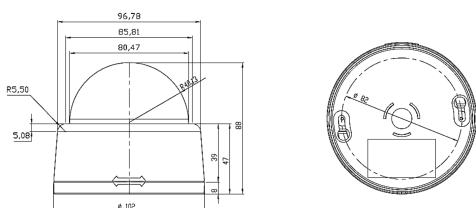
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# IP - 5MP INDOOR DOME Camera

## SDPMC-1G66E



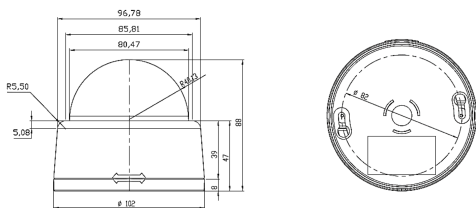
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1G66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440.....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	240mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# Analog HD - 2MP BULLET Camera

## SDPMC-1D71D



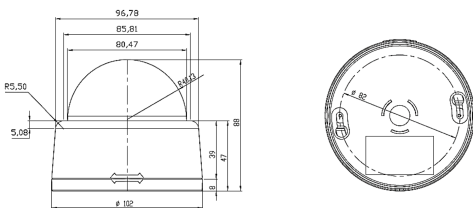
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# Analog HD - 4MP BULLET Camera

## SDPMC-1G81D



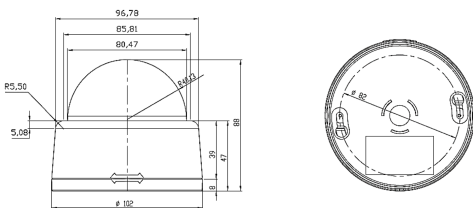
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# Analog HD - 4MP BULLET Camera (1/2" Sensor)

## SDPMC-1M83D



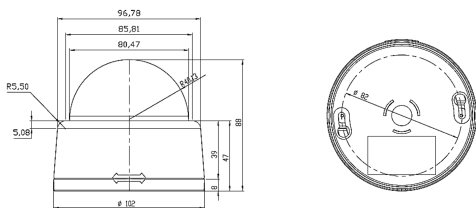
### Features

- 1/1.8" Sony STARVIS II CMOS Sensor
- IMX664
- ISP - EN781F
- Progressive Scan
- 2560 x 1440 (4 MP)
- Real WDR @ 30fps
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.005 Lux | B&W: 0.0001 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 4.42–9.51mm (F1.4) Manual Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



SDPMC-1M83D	
<b>CAMERA</b>	
Image Sensor	1/1.8" 4.16 Megapixel Sony STARVIS II CMOS Sensor - IMX664
ISP	EYENIX EN781F
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.005 Lux   B&W: 0.0001 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
<b>LENS &amp; IR LED</b>	
Lens Type	Manual Varifocal Lens
Focal Length	4.42–9.51mm
Aperture Ratio	F1.4
IR LED	-
<b>CAMERA FUNCTIONS</b>	
OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
Digital Zoom	x16
DIS	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese
<b>GENERAL</b>	
Power Source	DC12V (+/-) 10%
Power Consumption	160mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# Analog HD - 8MP BULLET Camera

## SDPMC-1L81D



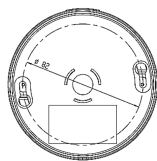
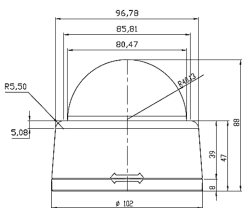
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 x 2160 (8.29 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.07 Lux | B&W: 0.007 Lux | IR LED on: 0 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø102mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPMC-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor - IMX515
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Effective Pixels	3840 x 2160 (8.29 MP)
Video Output Resolution	8.29MP (16:9), 3840 x 2160 @ 15 fps Downscale Mode (Switchable): 1440P or 1080P @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.07 Lux   B&W: 0.007 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø102mm x 88mm (H)

# 9. OUTDOOR DOME Camera **SDVMC**

80mm Diameter Dome  
& IR LED



\* Image : Front of the dome camera, IR LED

# IP - 2MP OUTDOOR DOME Camera

## SDVMC-1E66E24T



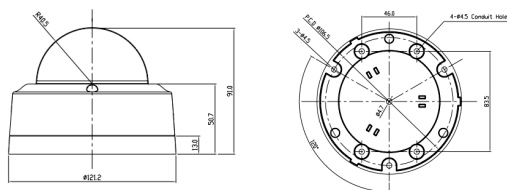
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø121.2mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVMC-1E66E24T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 210mA   IR LED on : 410mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø121.2mm x 91mm (H)

# IP - 5MP OUTDOOR DOME Camera

## SDVMC-1G66E24T



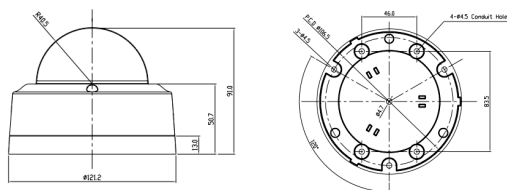
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø121.2mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVMC-1G66E24T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 240mA   IR LED on : 530mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø121.2mm x 91mm (H)

# Analog HD - 2MP BULLET Camera

## SDVMC-1D71D24T



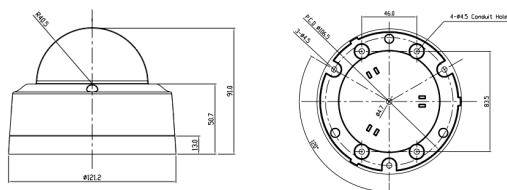
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø121.2mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVMC-1D71D24T

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 100mA   IR LED on : 300mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø121.2mm x 91mm (H)

# Analog HD - 4MP BULLET Camera

## SDVMC-1G81D24T



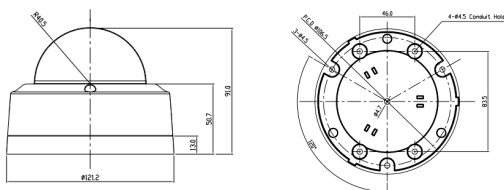
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø121.2mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVMC-1G81D24T

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 150mA   IR LED on : 350mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø121.2mm x 91mm (H)

# Analog HD - 4MP BULLET Camera (1/2" Sensor)

## SDVMC-1M83D24T



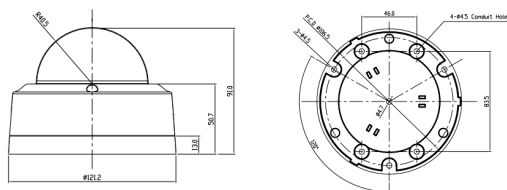
### Features

- 1/1.8" Sony STARVIS II CMOS Sensor
- IMX664
- ISP - EN781F
- Progressive Scan
- 2560 x 1440 (4 MP)
- Real WDR @ 30fps
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.005 Lux | B&W: 0.0001 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 4.42–9.51mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø121.2mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVMC-1M83D24T

#### CAMERA

Image Sensor	1/1.8" 4.16 Megapixel Sony STARVIS II CMOS Sensor - IMX664
ISP	EYENIX EN781F
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.005 Lux   B&W: 0.0001 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	4.42–9.51mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
Digital Zoom	x16
DIS	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 160mA   IR LED on : 360mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø121.2mm x 91mm (H)

# Analog HD - 8MP BULLET Camera

## SDVMC-1L81D24T



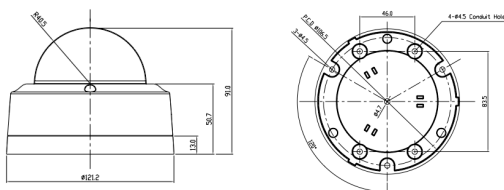
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 x 2160 (8.29 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.07 Lux | B&W: 0.007 Lux | IR LED on: 0 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Black)
- Ø80mm Dome Size
- Ø121.2mm Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVMC-1L81D24T

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor - IMX515
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Effective Pixels	3840 x 2160 (8.29 MP)
Video Output Resolution	8.29MP (16:9), 3840 x 2160 @ 15 fps Downscale Mode (Switchable): 1440P or 1080P @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.07 Lux   B&W: 0.007 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 180mA   IR LED on : 380mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø121.2mm x 91mm (H)

A close-up, front-facing view of a black dome camera. The camera is mounted on a white, circular base. The dome itself is black and features a central lens. To the right of the lens, there are several small, clear, circular IR LEDs arranged in a semi-circle. The background is dark and out of focus.

**SDVFE**

# **10. OUTDOOR DOME Camera**

65mm Dome Diameter

IR LED

# IP - 2MP OUTDOOR DOME Camera

## SDVFE-1E66E12T



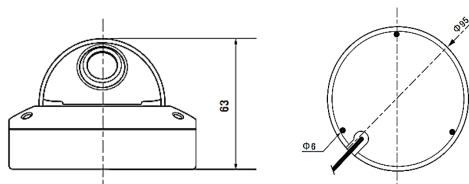
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- 12pcs IR LED
- Aluminum Die Casting
- White Color
- Ø64mm Dome Size
- Ø95mm Housing

### Dimensions



### SDVFE-1E66E12T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	850nm x 12pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 210mA   IR LED on : 410mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø95mm x 63mm (H)

# IP - 5MP OUTDOOR DOME Camera

## SDVFE-1G66E12T



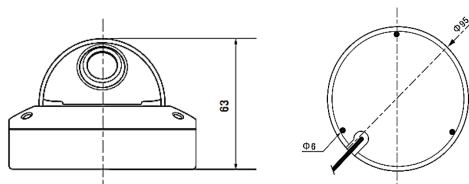
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- 12pcs IR LED
- Aluminum Die Casting
- White Color
- Ø64mm Dome Size
- Ø95mm Housing

### Dimensions



### SDVFE-1G66E12T

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.15 Lux   B&W : 0.015 Lux   IR LED on : 0 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	850nm x 12pcs

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440.....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off : 240mA   IR LED on : 530mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø95mm x 63mm (H)

# Analog HD - 2MP BULLET Camera

## SDVFE-1D71D12T



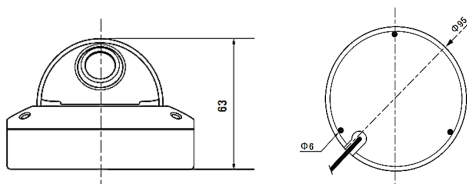
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- 12pcs IR LED
- Aluminum Die Casting
- White Color
- Ø64mm Dome Size
- Ø95mm Housing

### Dimensions



### SDVFE-1D71D12T

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	850nm x 12pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 100mA   IR LED on : 300mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø95mm x 63mm (H)

# Analog HD - 4MP BULLET Camera

## SDVFE-1G81D12T



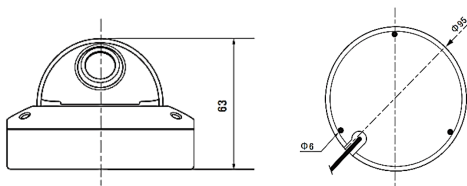
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- 12pcs IR LED
- Aluminum Die Casting
- White Color
- Ø64mm Dome Size
- Ø95mm Housing

### Dimensions



### SDVFE-1G81D12T

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	850nm x 12pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 150mA   IR LED on : 350mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø95mm x 63mm (H)

# Analog HD - 8MP BULLET Camera

## SDVFE-1L81D12T



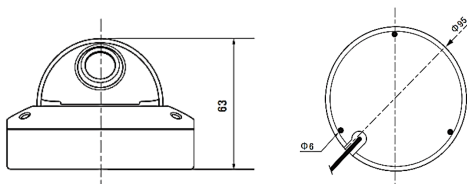
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 (H) X 2160 (V) = 8.29 Megapixel
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color : 0.12 Lux | B&W : 0.012 Lux | IR LED on : 0 Lux
- AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

### Physical

- 3.6mm Fixed Lens
- IR LED X 12pcs
- Aluminum Die Casting
- White Color
- 95mm Diameter Housing
- 64mm Diameter Dome

### Dimensions



### SDVFE-1L81D12T

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	8.29MP (16:9) : 3840(H) X 2160(V) / 15 fps 1440P / 1080P (Down Scale Mode) Switchable
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color : 0.12 Lux   B&W : 0.012 Lux   IR LED on : 0 Lux
Coaxial Communication	AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	850nm x 12pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC : 1/30 sec ~ 1/30,000 sec PAL : 1/25 sec ~ 1/25,000 sec
Brightness	1 ~ 20 Step
AGC	1 ~ 10 Step
SENS Up	Off / X2 ~ X32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 ~ 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	IR LED Off : 180mA   IR LED on : 380mA
Operating Temperature	-10°C ~ +50°C / 0% ~ 90% RH
Dimension	Ø95mm x 63mm (H)



**SDVFE**

# 11. OUTDOOR DOME Camera

65mm Dome Diameter

# IP - 2MP OUTDOOR DOME Camera

## SDVFE-1E66E



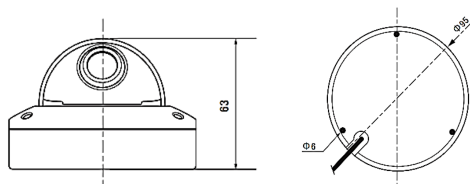
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- White Color
- Ø64mm Dome Size
- Ø95mm Housing

### Dimensions



### SDVFE-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø95mm x 63mm (H)

# IP - 5MP OUTDOOR DOME Camera

## SDVFE-1G66E



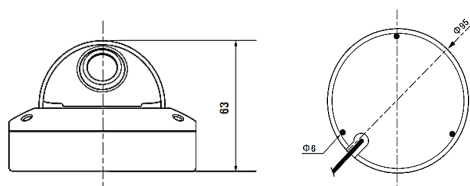
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- White Color
- Ø64mm Dome Size
- Ø95mm Housing

### Dimensions



### SDVFE-1G66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.15 Lux   B&W : 0.015 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440.....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	240mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø95mm x 63mm (H)

# Analog HD - 2MP BULLET Camera

## SDVFE-1D71D



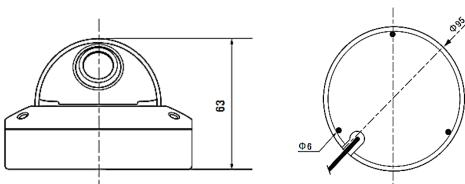
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- White Color
- Ø64mm Dome Size
- Ø95mm Housing

### Dimensions



### SDVFE-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø95mm x 63mm (H)

# Analog HD - 4MP BULLET Camera

## SDVFE-1G81D



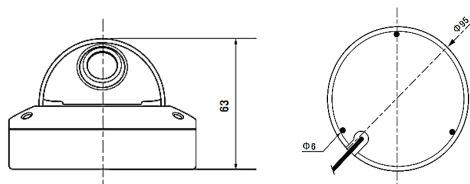
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- White Color
- Ø64mm Dome Size
- Ø95mm Housing

### Dimensions



### SDVFE-1G81D

CAMERA	
Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
LENS & IR LED	
Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-
CAMERA FUNCTIONS	
OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese
GENERAL	
Power Source	DC12V (+/-) 10%
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø95mm x 63mm (H)

# Analog HD - 8MP BULLET Camera

## SDVFE-1L81D



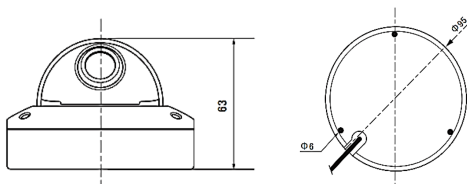
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 (H) X 2160 (V) = 8.29 Megapixel
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color : 0.12 Lux | B&W : 0.012 Lux
- AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

### Physical

- 3.6mm Fixed Lens
- Aluminum Die Casting
- White Color
- 95mm Diameter Housing
- 64mm Diameter Dome

### Dimensions



### SDVFE-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	8.29MP (16:9) : 3840(H) X 2160(V) / 15fps 1440P / 1080P (Down Scale Mode) Switchable
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color : 0.12 Lux   B&W : 0.012 Lux
Coaxial Communication	AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

#### LENS

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC : 1/30 sec ~ 1/30,000 sec PAL : 1/25 sec ~ 1/25,000 sec
Brightness	1 ~ 20 Step
AGC	1 ~ 10 Step
SENS Up	Off / X2 ~ X32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 ~ 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA
Operating Temperature	-10°C ~ +50°C / 0% ~ 90% RH
Dimension	Ø95mm x 63mm (H)



**SDVBB**

## 12. OUTDOOR DOME Camera

100mm Dome Diameter

\* Image : Zoom into the dome camera V/F lens

# IP - 2MP OUTDOOR DOME Camera

## SDVBB-1E66E



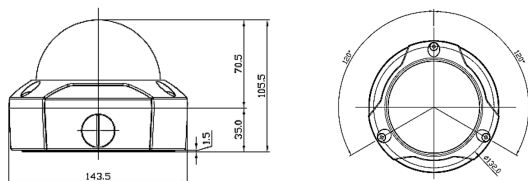
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color
- Ø100mm Dome Size
- Ø143.5mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVBB-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.05 Lux   B&W : 0.005 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø143.5mm x 105.5mm (H)

# IP - 5MP OUTDOOR DOME Camera

## SDVBB-1G66E



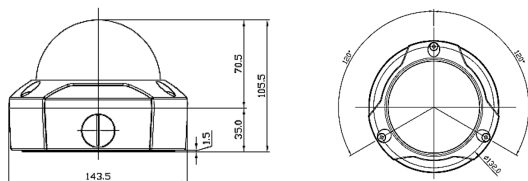
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 2704 x 2104 (5.69 MP)
- 5 MP, 1944P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / Digital WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color
- Ø100mm Dome Size
- Ø143.5mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVBB-1G66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 x 2104 (5.69 MP)
Effective Pixels	2592 x 1944 (5.03 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	16x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592x1944, 2560x1920, 2048x1536, 1920x1440....640x480, 480x360
Video Frame Rate	2592 x 1944 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	240mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø143.5mm x 105.5mm (H)

# Analog HD - 2MP BULLET Camera

## SDVBB-1D71D



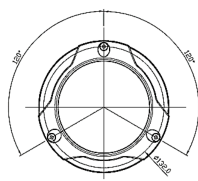
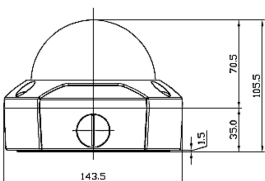
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color
- Ø100mm Dome Size
- Ø143.5mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVBB-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø143.5mm x 105.5mm (H)

# Analog HD - 4MP BULLET Camera

## SDVBB-1G81D



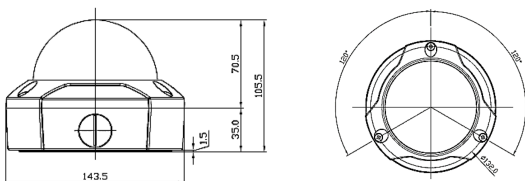
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color
- Ø100mm Dome Size
- Ø143.5mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVBB-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø143.5mm x 105.5mm (H)

# Analog HD - 4MP BULLET Camera

## SDVBB-1M83D



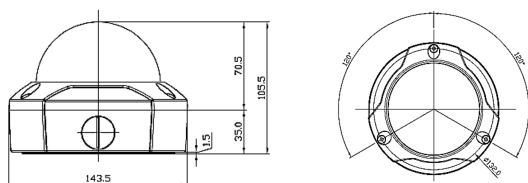
### Features

- 1/1.8" Sony STARVIS II CMOS Sensor
- IMX664
- ISP - EN781F
- Progressive Scan
- 2560 x 1440 (4 MP)
- Real WDR @ 30fps
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.005 Lux | B&W: 0.0001 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 4.42–9.51mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color
- Ø100mm Dome Size
- Ø143.5mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVBB-1M83D

CAMERA	
Image Sensor	1/1.8" 4.16 Megapixel Sony STARVIS II CMOS Sensor - IMX664
ISP	EYENIX EN781F
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.005 Lux   B&W: 0.0001 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
LENS & IR LED	
Lens Type	Manual V/F Lens
Focal Length	4.42–9.51mm
Aperture Ratio	F1.4
IR LED	-
CAMERA FUNCTIONS	
OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
Digital Zoom	x16
DIS	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese
GENERAL	
Power Source	DC12V (+/-) 10%
Power Consumption	160mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø143.5mm x 105.5mm (H)

# Analog HD - 8MP BULLET Camera

## SDVBB-1L81D



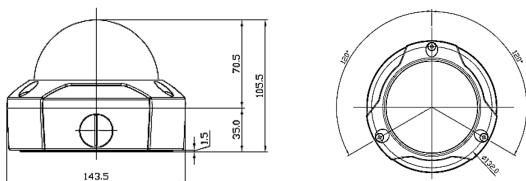
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 x 2160 (8.29 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.07 Lux | B&W: 0.007 Lux | IR LED on: 0 Lux
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color
- Ø100mm Dome Size
- Ø143.5mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVBB-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor - IMX515
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Effective Pixels	3840 x 2160 (8.29 MP)
Video Output Resolution	8.29MP (16:9), 3840 x 2160 @ 15 fps Downscale Mode (Switchable): 1440P or 1080P @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.07 Lux   B&W: 0.007 Lux   IR LED on: 0 Lux
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø143.5mm x 105.5mm (H)



SMSFB

## 13. MINIATURE Camera

36mm X 36mm

Board Lens

\* Image : Size of the mini housing

# IP - 2MP MINIATURE Camera

## SMSFB-1E66E



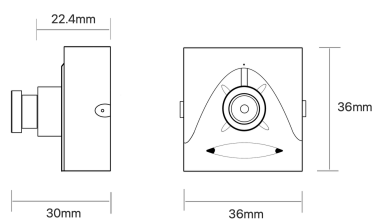
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- Black Color
- 36mm (W) x 36mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSFB-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	SHDR / DWDR
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	36mm (H) x 36mm (W)

# Analog HD - 2MP MINIATURE Camera

## SMSFB-1D71D



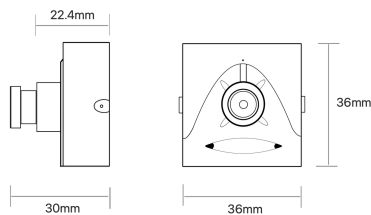
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- Black Color
- 36mm (W) x 36mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSFB-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	36mm (H) x 36mm (W)

# Analog HD - 4MP MINIATURE Camera

## SMSFB-1G81D



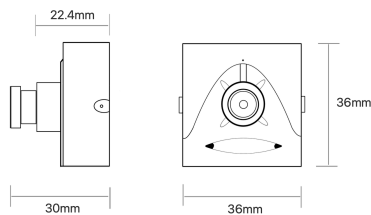
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- Black Color
- 36mm (W) x 36mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSFB-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	36mm (H) x 36mm (W)

# Analog HD - 8MP MINIATURE Camera

## SMSFB-1L81D



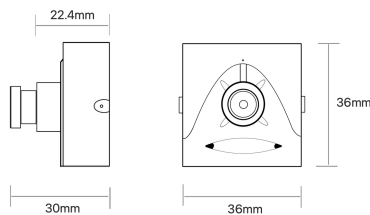
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 (H) X 2160 (V) = 8.29 Megapixel
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color : 0.12 Lux | B&W : 0.012 Lux
- AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

### Physical

- 3.6mm Fixed Board Lens
- Aluminum Die Casting
- 36mm X 36mm Housing

### Dimensions



\* Total length may vary depending on the lens.

### SMSFB-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	8.29MP (16:9) : 3840(H) X 2160(V) / 15fps 1440P / 1080P (Down Scale Mode) Switchable
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color : 0.12 Lux   B&W : 0.012 Lux
Coaxial Communication	AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC : 1/30 sec ~ 1/30,000 sec PAL : 1/25 sec ~ 1/25,000 sec
Brightness	1 ~ 20 Step
AGC	1 ~ 10 Step
SENS Up	Off / X2 ~ X32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 ~ 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA
Operating Temperature	-10°C ~ +50°C / 0% ~ 90% RH
Dimension	36mm (H) x 36mm (W)

A side-view photograph of a small, black, rectangular miniature camera. The camera has a textured surface and a small circular pinhole lens on the left side. The background is black.

## 14. MINIATURE Camera

**SMSCB**

36mm X 36mm

Pinhole Lens

# IP - 2MP MINIATURE Camera

## SMSCB-1E66E



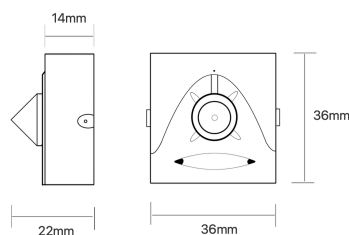
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 3.6mm (F2.0) Fixed Pinhole Lens
- Aluminum Die Casting
- Black Color
- 36mm (W) x 36mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSCB-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Fixed Pinhole Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	SHDR / DWDR
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	36mm (H) x 36mm (W)

# Analog HD - 2MP MINIATURE Camera

## SMSCB-1D71D



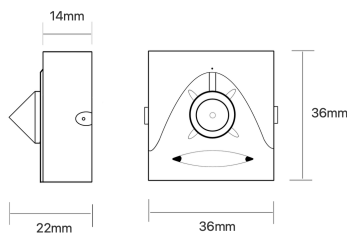
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Pinhole Lens
- Aluminum Die Casting
- Black Color
- 36mm (W) x 36mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSCB-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Pinhole Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	36mm (H) x 36mm (W)

# Analog HD - 4MP MINIATURE Camera

## SMSCB-1G81D



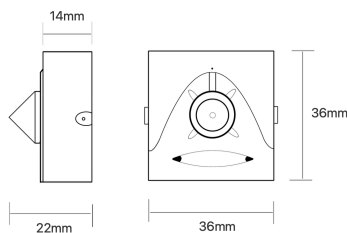
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Pinhole Lens
- Aluminum Die Casting
- Black Color
- 36mm (W) x 36mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSCB-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Pinhole Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	36mm (H) x 36mm (W)

# Analog HD - 8MP MINIATURE Camera

## SMSCB-1L81D



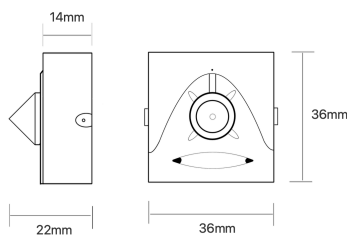
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 (H) X 2160 (V) = 8.29 Megapixel
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color : 0.12 Lux | B&W : 0.012 Lux
- AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

### Physical

- 3.6mm Fixed Pinhole Lens
- Aluminum Die Casting
- 36mm X 36mm Housing

### Dimensions



\* Total length may vary depending on the lens.

### SMSCB-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	8.29MP (16:9) : 3840(H) X 2160(V) / 15fps 1440P / 1080P (Down Scale Mode) Switchable
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color : 0.12 Lux   B&W : 0.012 Lux
Coaxial Communication	AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

#### LENS

Lens Type	Fixed Pinhole Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC : 1/30 sec ~ 1/30,000 sec PAL : 1/25 sec ~ 1/25,000 sec
Brightness	1 ~ 20 Step
AGC	1 ~ 10 Step
SENS Up	Off / X2 ~ X32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 ~ 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA
Operating Temperature	-10°C ~ +50°C / 0% ~ 90% RH
Dimension	36mm (H) x 36mm (W)



# 15. MINIATURE Camera

**SMSMB**

36mm X 36mm

Manual V/F Lens

# IP - 2MP MINIATURE Camera

## SMSMB-1E66E



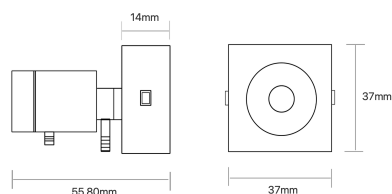
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- Black Color
- 37mm (W) x 37mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSMB-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	SHDR / DWDR
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	37mm (H) x 37mm (W)

# Analog HD - 2MP MINIATURE Camera

## SMSMB-1D71D



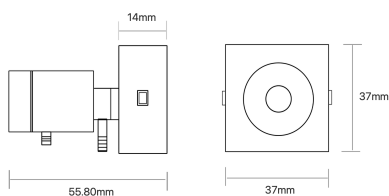
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- Black Color
- 37mm (W) x 37mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSMB-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	37mm (H) x 37mm (W)

# Analog HD - 4MP MINIATURE Camera

## SMSMB-1G81D



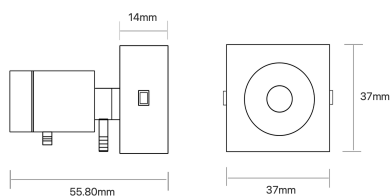
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- Black Color
- 37mm (W) x 37mm (H)

### Dimensions



\* Total length may vary depending on the lens.

### SMSMB-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	37mm (H) x 37mm (W)

# Analog HD - 8MP MINIATURE Camera

## SMSMB-1L81D



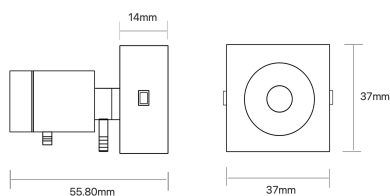
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 (H) X 2160 (V) = 8.29 Megapixel
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color : 0.07 Lux | B&W : 0.007 Lux
- AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

### Physical

- 2.8~12mm V/F Lens
- Aluminum Die Casting
- 36mm X 36mm Housing

### Dimensions



\* Total length may vary depending on the lens.

### SMSMB-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	8.29MP (16:9) : 3840(H) X 2160(V) / 15fps 1440P / 1080P (Down Scale Mode) Switchable
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color : 0.07 Lux   B&W : 0.007 Lux
Coaxial Communication	AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8-12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC : 1/30 sec ~ 1/30,000 sec PAL : 1/25 sec ~ 1/25,000 sec
Brightness	1 ~ 20 Step
AGC	1 ~ 10 Step
SENS Up	Off / X2 ~ X32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 ~ 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA
Operating Temperature	-10°C ~ +50°C / 0% ~ 90% RH
Dimension	37mm (H) x 37mm (W)

A close-up photograph showing a person's hands plugging a black cable into a small, silver, cylindrical bullet camera. The camera is held in the left hand, and the right hand is inserting the cable into its side. The background is a plain, light-colored wall.

## 16. MINI BULLET Camera

SMBFE

Ø20.8mm

3.6mm Fixed Lens

# IP - 2MP MINI BULLET Camera

## SMBFE-1E66E



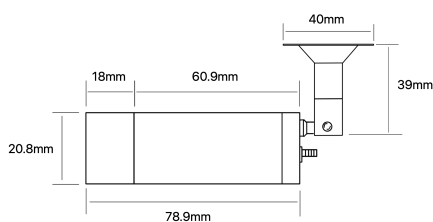
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- Progressive Scan
- Total Number of Pixels: 1945 x 1109 (2.16 MP)
- Full HD 1080P @ 30fps
- H.265, H.264, MJPEG
- IP Network
- Web Server Built-in
- 3DNR / DOL True WDR
- ONVIF Compatibility
- PoE support

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- Ø20.8mm
- Silver Color (Option : Black)

### Dimensions



### SMBFE-1E66E

#### CAMERA

Image Sensor	1/2.8" Sony CMOS Sensor - IMX307
Total Pixels	1945 x 1109 (2.16 MP)
Effective Pixels	1920 x 1080 (2.07 MP)
Scanning Mode	Progressive Scan
Minimum Illumination	Color : 0.1 Lux   B&W : 0.01 Lux
S/N Ratio	More than 50dB (AGC off)

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

Wide Dynamic Range	SHDR / DWDR
Day and Night Mode	Automatic, Day, Night
Noise Reduction	3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	Auto / Manual (1/30,000 – 1/30 sec)
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual
Digital Zoom	8x
BLC	On / Off
HLC	On / Off
Tamper	On / Off

#### NETWORK

Video Compression	H.264 / H.265 / MJPEG
Video Resolution	1920x1080, 1280x960, 1280x720, 640x480, 640x360, 320x240
Video Frame Rate	1920 x 1080 @ up to 30 fps
Video Streaming	Simultaneously H.265, H.264, MJPEG, Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Security	Multi user Authority, IP Filtering, HTTPS
Max User Connection	10 Users
Network Time Sync	Synchronize Computer / NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrader	Using Web Browser
Ethernet	RJ-45 (10/100 Base-T)
SDK Support	API, ONVIF Profile S/T Compliant

#### GENERAL

Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø20.8mm x 78.9mm

# Analog HD - 2MP MINI BULLET Camera

## SMBFE-1D71D



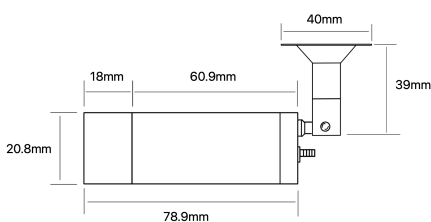
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- Ø18.8mm
- Silver Color (Option : Black)

### Dimensions



### SMBFE-1D71D

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø18.8mm x 78.9mm (L)

# Analog HD - 4MP MINI BULLET Camera

## SMBFE-1G81D



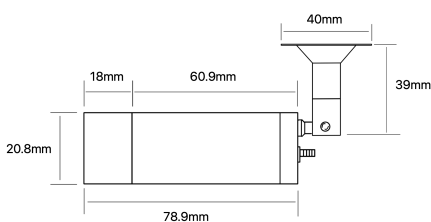
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 3.6mm (F2.0) Fixed Board Lens
- Aluminum Die Casting
- Ø18.8mm
- Silver Color (Option : Black)

### Dimensions



### SMBFE-1G81D

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø18.8mm x 78.9mm (L)

# Analog HD - 8MP MINI BULLET Camera

## SMBFE-1L81D



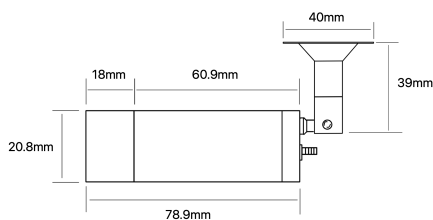
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX515
- ISP - EN781
- Progressive Scan
- 3840 (H) X 2160 (V) = 8.29 Megapixel
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color : 0.12 Lux | B&W : 0.012 Lux
- AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

### Physical

- 3.6mm Fixed Board Lens
- Aluminum Die Casting
- 18.8mm Diameter
- Silver Color (Option : Black)

### Dimensions



### SMBFE-1L81D

#### CAMERA

Image Sensor	1/2.8" 8.40 Sony CMOS Sensor
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	8.29MP (16:9) : 3840(H) X 2160(V) / 15fps 1440P / 1080P (Down Scale Mode) Switchable
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color : 0.12 Lux   B&W : 0.012 Lux
Coaxial Communication	AHD : Pelco-C (ACP), TVI : Hikvision-C, CVI : HD-CVI or OSD Control

#### LENS

Lens Type	Fixed Board Lens
Focal Length	3.6mm
Aperture Ratio	F2.0
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC : 1/30 sec ~ 1/30,000 sec PAL : 1/25 sec ~ 1/25,000 sec
Brightness	1 ~ 20 Step
AGC	1 ~ 10 Step
SENS Up	Off / X2 ~ X32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 ~ 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24-Mask (Box - 16 / Polygon - 8)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Power Source	DC12V (+/-) 10%
Power Consumption	180mA
Operating Temperature	-10°C ~ +50°C / 0% ~ 90% RH
Dimension	Ø18.8mm x 78.9mm (L)


# 17. Power Over Coaxial

## Multiple Power Supply PoC Camera




\* Image : Connect the PoC camera and Multiple Power Supply

# 4CH Multiple Power Supply

ITEM	VP-4C
IMAGE	
CAMERA INPUT	AHD / TVI / CVI / CVBS (BNC F x 4)
VIDEO OUTPUT	AHD / TVI / CVI / CVBS (BNC F x 4)
MAX. TRANS DISTANCE	5C-HFBT (Genuine) can transmit up to 500m (recommended distance 300m)
	3C-2V can transmit up to 300m (recommended distance 200m)
SUPPLIED VOLTAGE	AC 100V – 240V 50/60Hz
OPERATING TEMP. / HUMID.	-10°C – +50°C / 0 – 80%
DIMENSIONS	354(W) x 43(H) x 217(D)
WEIGHT	1.9kg

# 8CH Multiple Power Supply

ITEM	VP-8C
IMAGE	 <p>The image shows a black, slim-profile electronic device labeled 'VP MULTIPLE POWER SUPPLY'. It features a row of eight status LEDs (four green, four red) and a red power button on the right side. Below the LEDs are labels for each channel: CH1, CH2, CH3, CH4, CH5, CH6, CH7, CH8.</p>
CAMERA INPUT	AHD / TVI / CVI / CVBS (BNC F x 8)
VIDEO OUTPUT	AHD / TVI / CVI / CVBS (BNC F x 8)
MAX. TRANS DISTANCE	5C-HFBT (Genuine) can transmit up to 500m (recommended distance 300m)
	3C-2V can transmit up to 300m (recommended distance 200m)
SUPPLIED VOLTAGE	AC 100V – 240V 50/60Hz
OPERATING TEMP. / HUMID.	-10°C – +50°C / 0 – 80%
DIMENSIONS	354(W) x 43(H) x 217(D)
WEIGHT	2.2kg

## SBOXA-1D71P



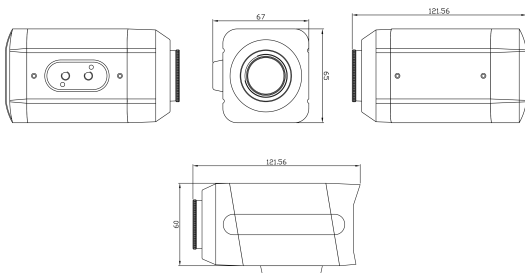
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- Standard Box Type
- Aluminum Die Casting

### Dimensions



### SBOXA-1D71P

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS

Lens Type	-
Focal Length	-
Aperture Ratio	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	121.56mm x 67mm x 65mm

# PoC - 4MP BOX Camera

## SBOXA-1G81P



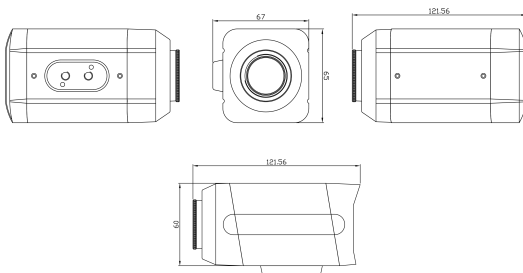
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- Standard Box Type
- Aluminum Die Casting

### Dimensions



### SBOXA-1G81P

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Mode	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Level	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS

Lens Type	-
Focal Length	-
Aperture Ratio	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	121.56mm x 67mm x 65mm

# PoC - 2MP BULLET Camera (IR LED)

## SIBBA-1D71P8T



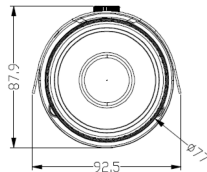
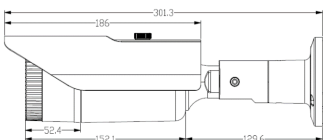
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1D71P8T

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	IR LED Off : 100mA   IR LED on : 560mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# PoC - 4MP BULLET Camera (IR LED)

## SIBBA-1G81P8T



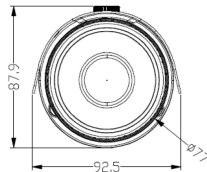
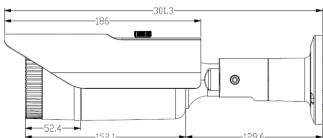
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 8pcs Power IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1G81P8T

SIBBA-1G81P8T	
<b>CAMERA</b>	
Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
<b>LENS &amp; IR LED</b>	
Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 8pcs
<b>CAMERA FUNCTIONS</b>	
OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese
<b>GENERAL</b>	
Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	IR LED Off : 150mA   IR LED on : 610mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# PoC - 2MP BULLET Camera

## SIBBA-1D71P



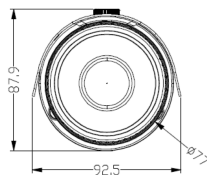
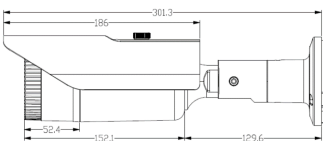
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1D71P

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	100mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# PoC - 4MP BULLET Camera

## SIBBA-1G81P



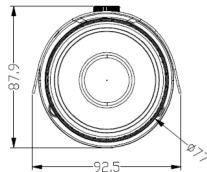
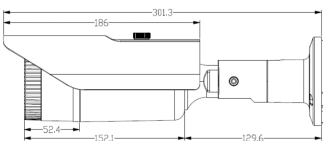
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø77mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBBA-1G81P

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	150mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø77mm x 301mm (L)

# PoC - 2MP BULLET Camera

## SIBMC-1D71P24T



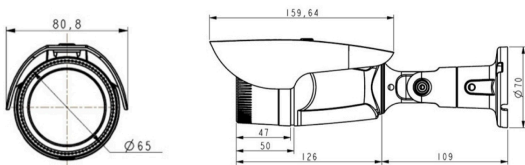
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1D71P24T

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850mm x 24pcs

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	IR LED Off : 100mA   IR LED on : 300mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# PoC - 4MP BULLET Camera

## SIBMC-1G81P24T



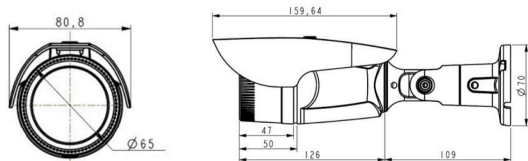
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- 24pcs IR LED
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1G81P24T

SIBMC-1G81P24T	
<b>CAMERA</b>	
Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
<b>LENS &amp; IR LED</b>	
Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	850nm x 24pcs
<b>CAMERA FUNCTIONS</b>	
OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese
<b>GENERAL</b>	
Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	IR LED Off : 150mA   IR LED On : 350mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# PoC - 2MP BULLET Camera

## SIBMC-1D71P



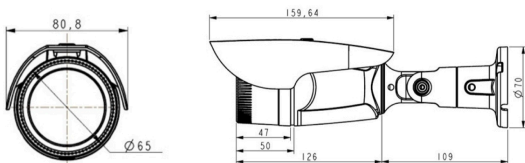
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1D71P

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	100mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# PoC - 4MP BULLET Camera

## SIBMC-1G81P



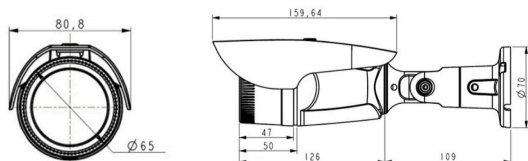
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.8–12mm (F1.4) Manual Varifocal Lens
- Aluminum Die Casting
- White Color (Option : Dark Grey)
- Ø65mm Bullet Housing
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SIBMC-1G81P

SIBMC-1G81P	
<b>CAMERA</b>	
Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control
<b>LENS &amp; IR LED</b>	
Lens Type	Manual Varifocal Lens
Focal Length	2.8–12mm
Aperture Ratio	F1.4
IR LED	-
<b>CAMERA FUNCTIONS</b>	
OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese
<b>GENERAL</b>	
Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	150mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

# PoC - 2MP BULLET Camera

## SDPBA-1D71P6T



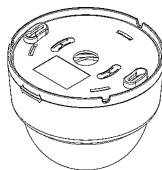
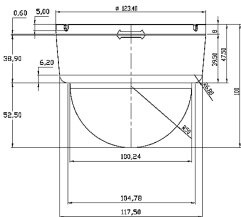
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 6pcs POWER IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1D71P6T

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 6pcs

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	IR LED Off : 100mA   IR LED on : 420mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# PoC - 4MP BULLET Camera

## SDPBA-1G81P6T



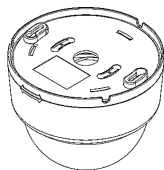
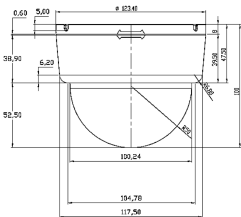
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- 6pcs POWER IR LED
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1G81P6T

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	Power IR LED 850nm x 6pcs

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	IR LED Off : 150mA   IR LED on : 470mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

# PoC - 2MP BULLET Camera

## SDPBA-1D71P



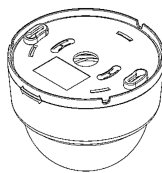
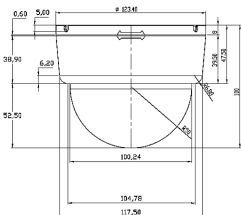
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDPBA-1D71P

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
Electronic Shutter Speed	Auto / Flickerless / Manual
	NTSC: 1/30 – 1/30,000 sec
	PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	100mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)



# PoC - 2MP BULLET Camera

## SDVBB-1D71P



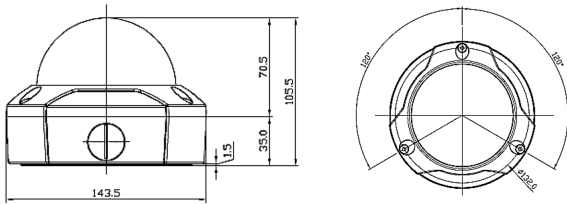
### Features

- 1/2.9" Sony STARVIS CMOS Sensor
- IMX323
- ISP - EN771T
- Progressive Scan
- 1920 x1080 (2.07 MP)
- 1080P @ 25/30 fps
- AHD | TVI | CVI | CVBS
- HD-SDI | EX-SDI | CVBS
- Color : 0.04 Lux @ F1.2 | B&W : 0.004 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color
- Ø100mm Dome Size
- Ø143.5mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVBB-1D71P

#### CAMERA

Image Sensor	1/2.9" 2.1 Megapixel Sony CMOS Sensor - IMX323
ISP	EYENIX EN771T
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Number of Effective Pixels	1920 x 1080 (2.07 MP)
Total Number of Pixels	2024 x 1138 (2.30 MP)
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   HD-SDI   CVBS
Video Output Resolution	2 MP (16:9), 1920 x 1080 @ 25/30 fps
Minimum Illumination	Color : 0.04 Lux @ F1.2   B&W : 0.004 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
AGC	1 – 10 Steps
Sens Up	Off / 2x – 32x
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Backlight Compensation	Off / HLC / BLC / WDR
White Balance	Auto / Auto EXT / Preset / Manual
Day & Night	Auto / Color / B&W / External
DNR	Off / Low / Middle / High
Focus Adjustment	Off / On
Motion Detection	Off / On (4 Zone)
Privacy Masking	Off / On (16 Zone)
Gamma	0.45 / 0.55 / 0.65 / 0.75
Language	Off / On

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V / 500mA
Power Consumption	100mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø143.5mm x 105.5mm (H)

# PoC - 4MP BULLET Camera

## SDVBB-1G81P



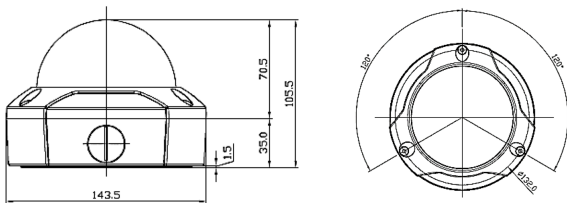
### Features

- 1/2.8" Sony STARVIS CMOS Sensor
- IMX335
- ISP - EN781
- Progressive Scan
- 2560 x 1440 (4 MP)
- AHD | TVI | CVI | CVBS
- EX-SDI | CVBS
- Color: 0.05 Lux @ F1.2 | B&W: 0.005 Lux @ F1.2
- AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

### Physical

- 2.7–13.5mm (F1.4) Motorized Varifocal Lens
- Aluminum Die Casting
- White Color
- Ø100mm Dome Size
- Ø143.5mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

### Dimensions



### SDVBB-1G81P

#### CAMERA

Image Sensor	1/2.8" 5.14 Megapixel Sony CMOS Sensor - IMX335
ISP	EYENIX EN781
Scanning System	Progressive Scan
S/N Ratio	More than 50dB
Video Output Resolution	1 MP (16:9), 1280 x 720 @ 25/30 fps 2 MP (16:9), 1920 x 1080 @ 25/30 fps 4 MP (16:9), 2560 x 1440 @ 25/30 fps
Video Output Mode	AHD   TVI   CVI   CVBS or EX-SDI   CVBS
Minimum Illumination	Color: 0.05 Lux @ F1.2   B&W: 0.005 Lux @ F1.2
Coaxial Communication	AHD: Pelco-C (ACP), TVI: Hikvision-C, CVI: HD-CVI or OSD Control

#### LENS & IR LED

Lens Type	Motorized Varifocal Lens
Focal Length	2.7–12mm
Aperture Ratio	F1.4
IR LED	-

#### CAMERA FUNCTIONS

OSD	Built in
	Auto / Flickerless / Manual
Electronic Shutter Speed	NTSC: 1/30 – 1/30,000 sec PAL: 1/25 – 1/25,000 sec
Brightness	1 – 20 Step
AGC	1 – 10 Step
SENS Up	Off / x2 – x32
BLC	Off / HLC / BLC / WDR
Day & Night	Auto / Color / B&W / Extern
White Balance	Auto / Auto EXT / Preset / Manual
DNR	Off / Low / Middle / High
Sharpness	0 – 10 Step
Mirror	Off / On
Flip	Off / On
ACE (D-WDR)	Off / Low / Middle / High
Defog	Off / On
Shading	Off / On
Privacy Masking	Off / On
Motion Detection	24 Areas (16 Box, 8 Polygon)
Language	English, Korean, Japanese, Chinese

#### GENERAL

Supplied Voltage	Power Superposition (S&M Multiple Power Supply) External Input : DC 12V
Power Consumption	150mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø143.5mm x 105.5mm (H)