

The background image shows two white Bosch Vigicon cameras mounted on a grey, textured wall. The cameras are positioned on the left and right sides, angled slightly outwards. In the center, between the cameras, is a small, rectangular, light-colored control unit or power supply box. Several black cables are visible, running horizontally across the wall and then curving downwards towards the cameras. The overall scene is dimly lit, with the wall showing some signs of wear and cracking.

VigiNest

2025 Product Guide

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1. BOX Camera

VBOXA

* Image : Back side of IP Box camera

VBOXA-1E66E



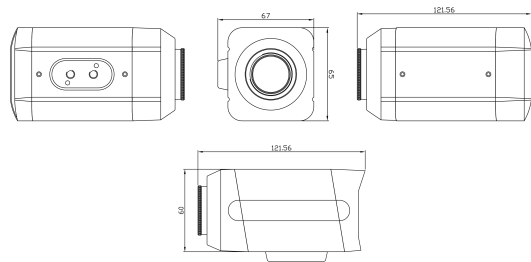
Features

- 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



VBOXA-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

VBOXA-1G66E



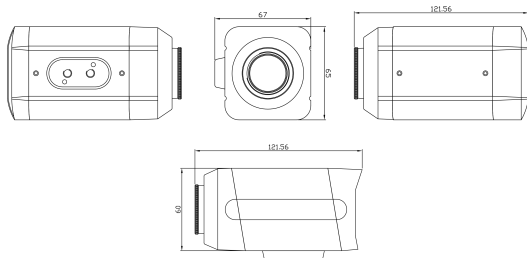
Features

- 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



VBOXA-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

VBOXA-1D71D



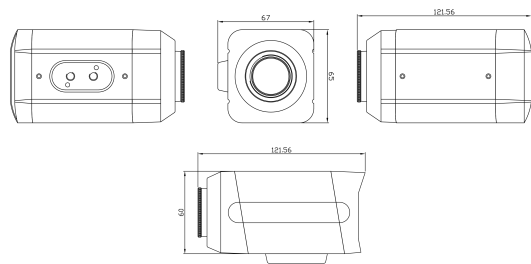
Features

- 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



VBOXA-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
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	121.56mm x 67mm x 65mm

Analog HD - 4MP BOX Camera

VBOXA-1G81D



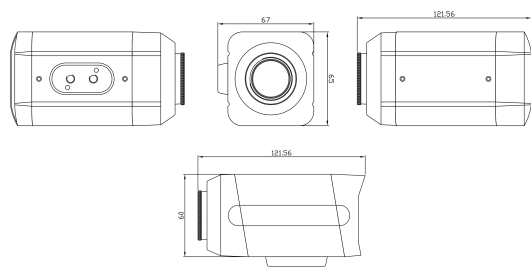
Features

- 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



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



2. BULLET Camera

VIBBA

77mm Diameter
Power IR LED

* Image : Front of bullet camera, Power IR LED

IP - 2MP BULLET Camera

VIBBA-1E66E8T



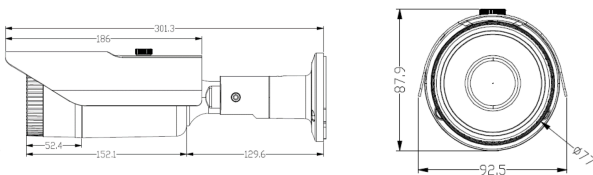
Features

- 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



VIBBA-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)

VIBBA-1G66E8T



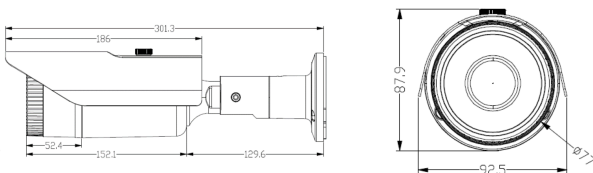
Features

- 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



VIBBA-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)

VIBBA-1N29E8T



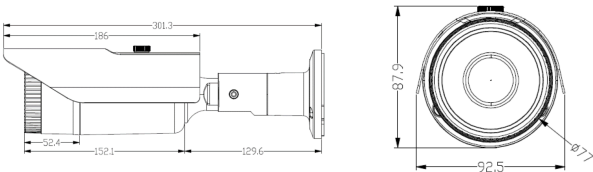
Features

- 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



VIBBA-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)

VIBBA-1D71D8T



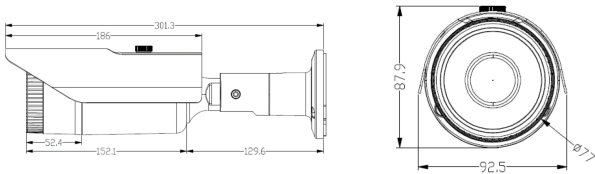
Features

- 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



VIBBA-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)

VIBBA-1G81D8T



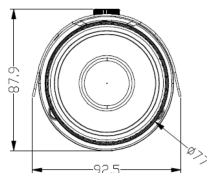
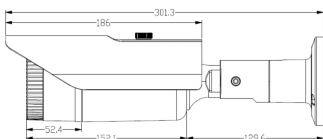
Features

- 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



VIBBA-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)

VIBBA-1M83D8T



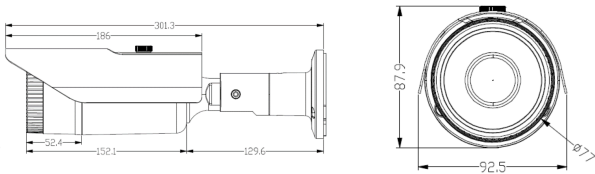
Features

- 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



VIBBA-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
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
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)

VIBBA-1L81D8T



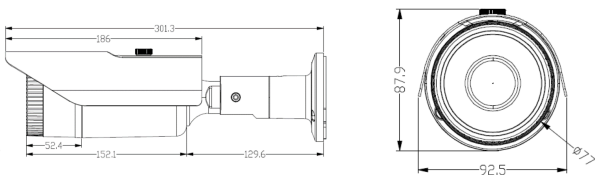
Features

- 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



VIBBA-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 @ 15fps 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
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-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

VIBBA

77mm Diameter

No IR LED

* Image : Side of the bullet camera with Sunshield

VIBBA-1E66E



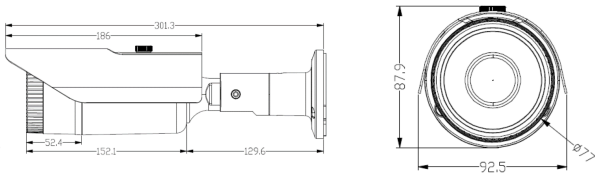
Features

- 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



VIBBA-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)

VIBBA-1G66E



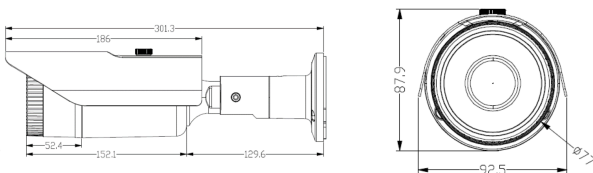
Features

- 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



VIBBA-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)

VIBBA-1N29E



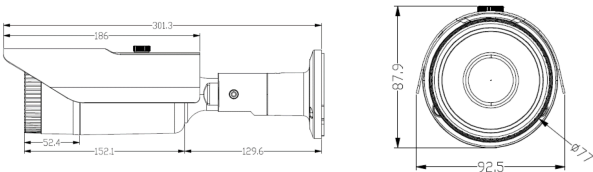
Features

- 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



VIBBA-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

VIBBA-1D71D



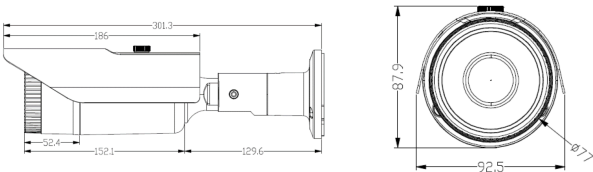
Features

- 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



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

Analog HD - 4MP BULLET Camera

VIBBA-1G81D



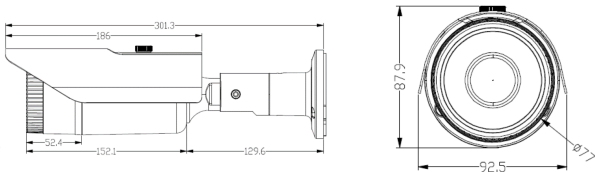
Features

- 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



VIBBA-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
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	
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)

VIBBA-1M83D



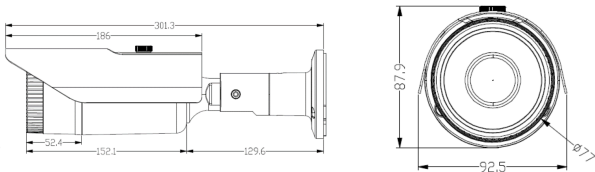
Features

- 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



VIBBA-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
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

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

VIBBA-1L81D



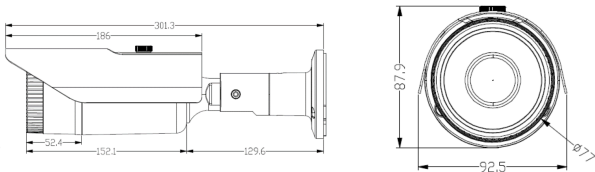
Features

- 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



VIBBA-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 @ 15fps 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
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-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

VIBMC

65mm Diameter



* Image : 65pi bullet camera, Grey color

IP - 2MP BULLET Camera

VIBMC-1E66E24T



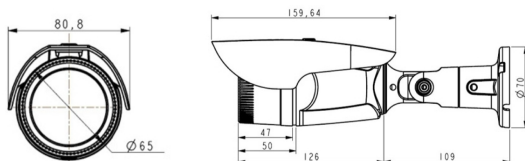
Features

- 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



VIBMC-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

VIBMC-1G66E24T



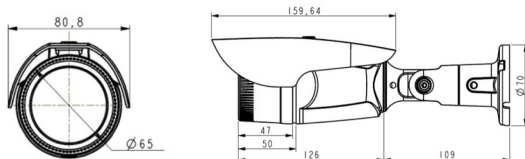
Features

- 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



VIBMC-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

VIBMC-1D71D24T



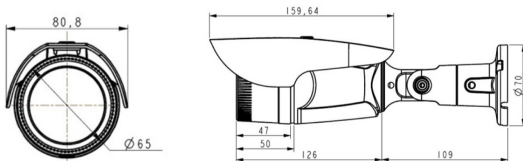
Features

- 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



VIBMC-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
	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	Ø65mm x 135mm (L)

Analog HD - 4MP BULLET Camera

VIBMC-1G81D24T



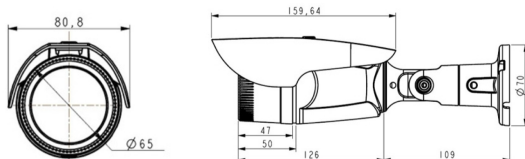
Features

- 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



VIBMC-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	Ø65mm x 135mm (L)

IP - 2MP BULLET Camera

VIBMC-1E66E



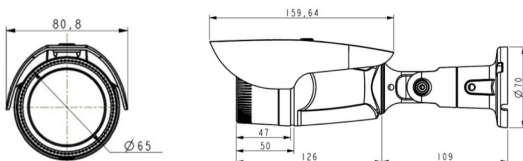
Features

- 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



VIBMC-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)

VIBMC-1G66E



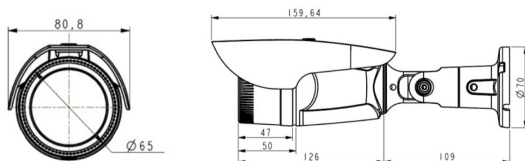
Features

- 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



VIBMC-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

VIBMC-1D71D



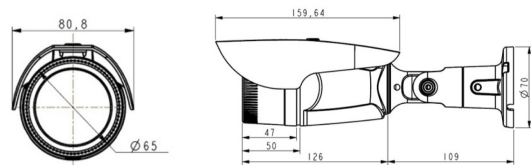
Features

- 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



VIBMC-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

VIBMC-1G81D



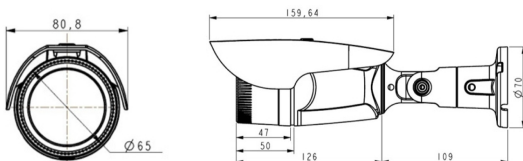
Features

- 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



VIBMC-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
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	
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 circular lens in the center. Surrounding the lens are eight infrared (IR) LEDs, which are arranged in a ring. The camera is mounted on a white base.

VDPBA

5. INDOOR DOME Camera

100mm Diameter
IR LED

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

VDPBA-1E66E6T



IP - 5MP INDOOR DOME Camera

VDPBA-1G66E6T



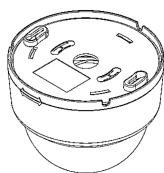
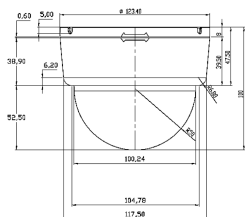
Features

- 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



VDPBA-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 - 8MP INDOOR DOME Camera

VDPBA-1L81D6T



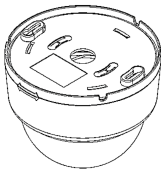
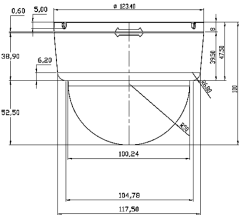
Features

- 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



VDPBA-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 @ 15fps 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
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-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)



VDPBA

6. INDOOR DOME Camera

100mm Dome Diameter

* Image : Front of the dome camera, Variofocal Lens

IP - 2MP INDOOR DOME Camera

VDPBA-1E66E



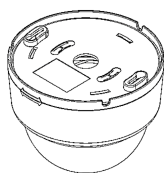
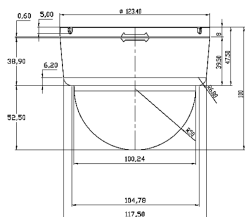
Features

- 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



VDPBA-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

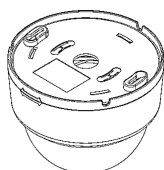
Power Source	DC12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	210mA + 80mA (2 Motor Lens)
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø123.4mm x 100mm (H)

VDPBA-1G66E



- 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

- 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)



Analog HD - 2MP INDOOR DOME Camera

VDPBA-1D71D



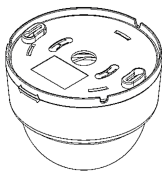
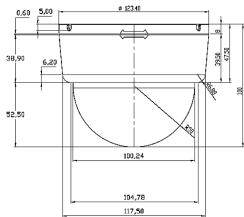
Features

- 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



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

Analog HD - 8MP BULLET Camera

VDPBA-1L81D



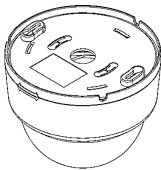
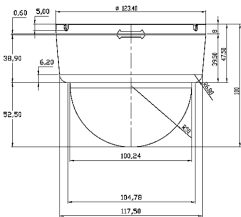
Features

- 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



VDPBA-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 @ 15fps 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
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-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)

The image shows four dome cameras arranged in a 2x2 grid. Each camera has a white, dome-shaped housing. The top-left camera has a large, clear lens with a purple tint. The top-right camera has a smaller, clear lens with a blue tint. The bottom-left camera has a large, clear lens with a red tint. The bottom-right camera has a smaller, clear lens with a blue tint. The text '7. INDOOR DOME Camera' is overlaid in white, 'VDPMC' is overlaid in red, and '80mm Dome Diameter' and 'IR LED' are overlaid in white below it.

7. INDOOR DOME Camera

VDPMC

80mm Dome Diameter
IR LED

IP - 2MP INDOOR DOME Camera

VDPMC-1E66E24T



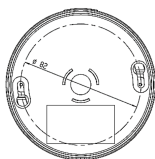
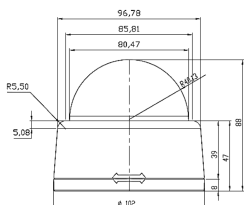
Features

- 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



VDPMC-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)

VDPMC-1G66E24T



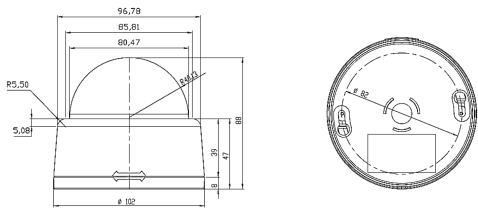
Features

- 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



VDPMC-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

VDPMC-1D71D24T



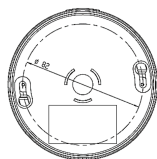
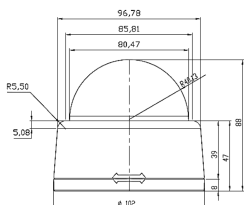
Features

- 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



VDPMC-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
	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	Ø102mm x 88mm (H)

Analog HD - 4MP BULLET Camera

VDPMC-1G81D24T



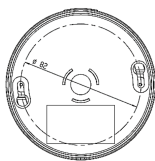
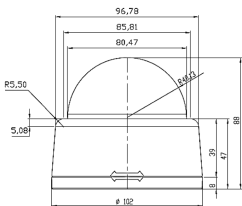
Features

- 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



VDPMC-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)

VDPMC-1M83D24T



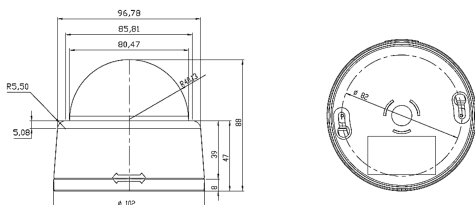
Features

- 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



VDPMC-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
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
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	Ø102mm x 88mm (H)

Analog HD - 8MP BULLET Camera

VDPMC-1L81D24T



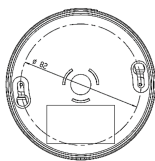
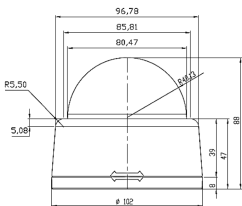
Features

- 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



VDPMC-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 @ 15fps 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)



VDPMC

8. INDOOR DOME Camera

80mm Dome Diameter

IR LED

* Image : Various dome housings. V/F lens and Fixed Lens

VigiNest
VISION

IP - 2MP INDOOR DOME Camera

VDPMC-1E66E



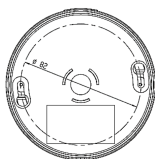
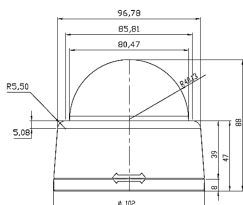
Features

- 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



VDPMC-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

VDPMC-1G66E



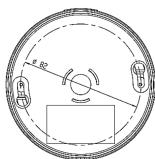
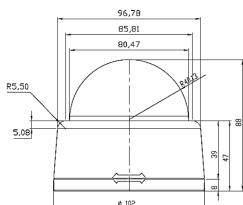
Features

- 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



VDPMC-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

VDPMC-1D71D



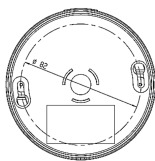
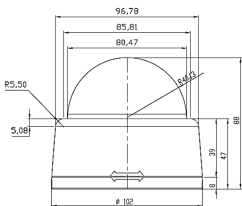
Features

- 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



VDPMC-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
	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	Ø102mm x 88mm (H)

Analog HD - 4MP BULLET Camera

VDPMC-1G81D



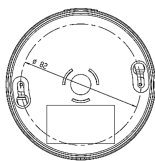
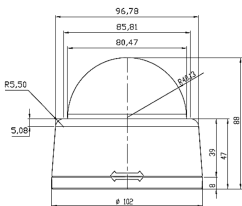
Features

- 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



VDPMC-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
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

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)

VDPMC-1M83D



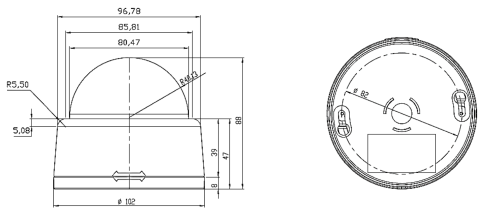
Features

- 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



VDPMC-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
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
GENERAL	
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

VDPMC-1L81D



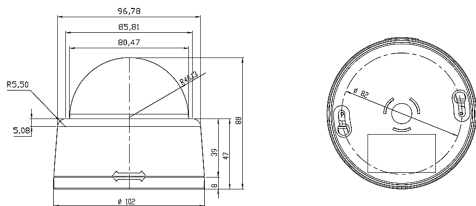
Features

- 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



VDPMC-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 @ 15fps 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
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-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 **VDVMC**

80mm Diameter Dome
& IR LED

* Image : Front of the dome camera, IR LED

IP - 2MP OUTDOOR DOME Camera

VDVMC-1E66E24T



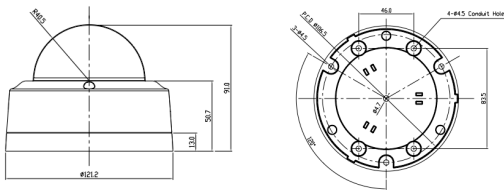
Features

- 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



VDVMC-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

VDVMC-1G66E24T



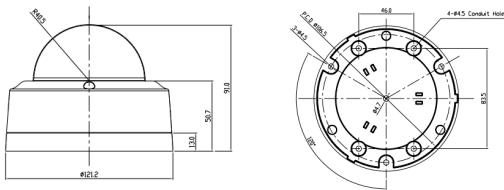
Features

- 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



VDVMC-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

VDVMC-1D71D24T



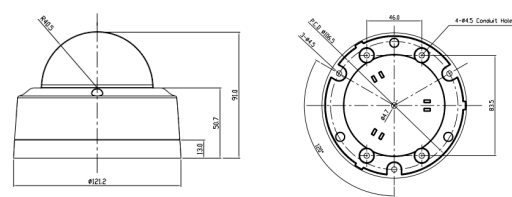
Features

- 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



VDVMC-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

VDVMC-1G81D24T



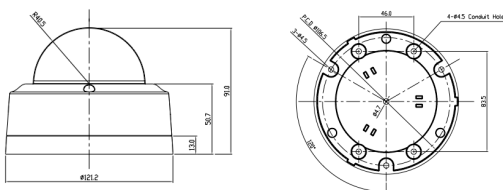
Features

- 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



VDVMC-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
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	
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)

VDVMC-1M83D24T



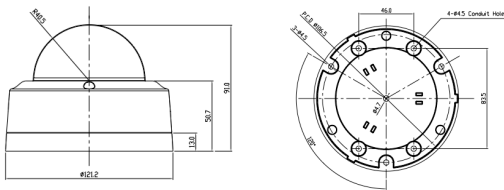
Features

- 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



VDVMC-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
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
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

VDVMC-1L81D24T



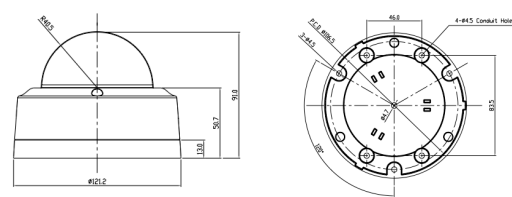
Features

- 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



VDVMC-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 @ 15fps 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
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-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)



VDVFE

10. OUTDOOR DOME Camera

65mm Dome Diameter

IR LED

* Image : Front of the dome camera, IR LED

IP - 2MP OUTDOOR DOME Camera

VDVFE-1E66E12T



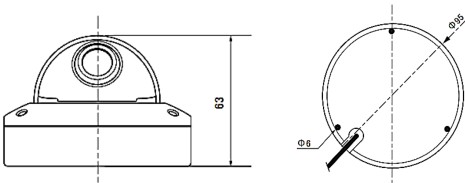
Features

- 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



VDVFE-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

VDVFE-1G66E12T



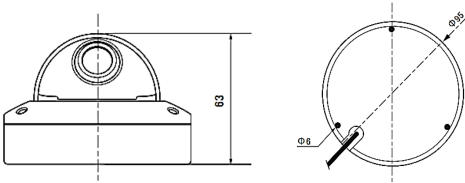
Features

- 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



VDVFE-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

VDVFE-1D71D12T



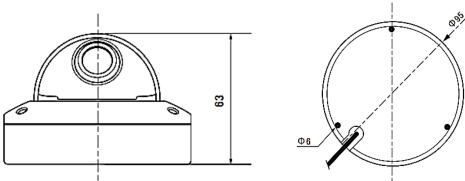
Features

- 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



VDVFE-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
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	Ø95mm x 63mm (H)

Analog HD - 4MP BULLET Camera

VDVFE-1G81D12T



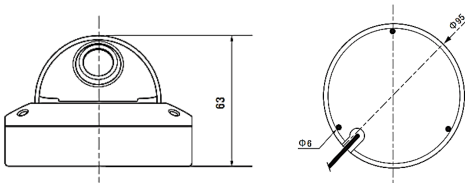
Features

- 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



VDVFE-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
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

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

VDVFE-1L81D12T



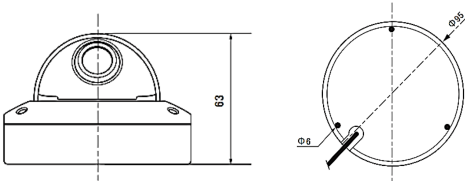
Features

- 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



VDVFE-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) / 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 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
Electronic Shutter Speed	Auto / Flickerless / Manual
	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)

A close-up, front-facing view of a dome-shaped security camera. The camera has a dark, possibly black or dark brown, upper dome section and a lighter, off-white or light grey lower section. The lens is centrally located within a circular recessed area on the dark dome. The background is dark and out of focus.

VDVFE

11. OUTDOOR DOME Camera

65mm Dome Diameter

IP - 2MP OUTDOOR DOME Camera

VDVFE-1E66E



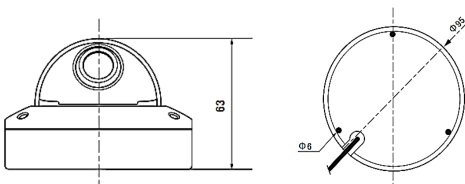
Features

- 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



VDVFE-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

VDVFE-1G66E



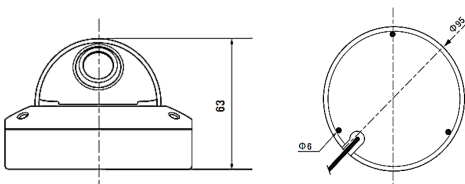
Features

- 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



VDVFE-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

VDVFE-1D71D



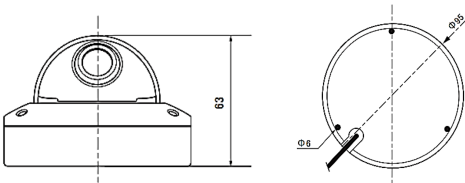
Features

- 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



VDVFE-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

VDVFE-1G81D



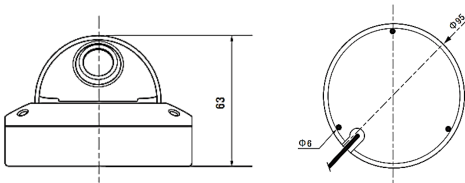
Features

- 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



VDVFE-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
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	
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

VDVFE-1L81D



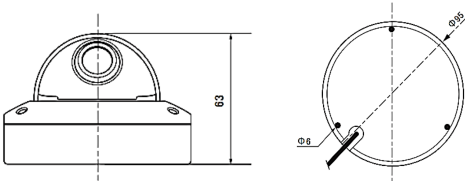
Features

- 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



VDVFE-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
Electronic Shutter Speed	Auto / Flickerless / Manual
	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)



VDVBB

12. OUTDOOR DOME Camera

100mm Dome Diameter

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

IP - 2MP OUTDOOR DOME Camera

VDVBB-1E66E



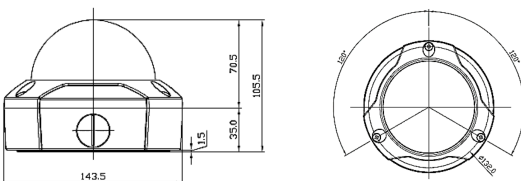
Features

- 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



VDVBB-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

VDVBB-1G66E



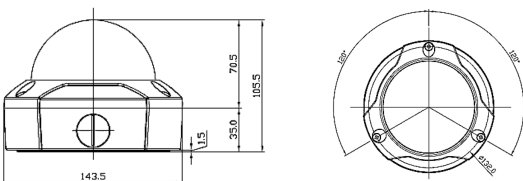
Features

- 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



VDVBB-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

VDVBB-1D71D



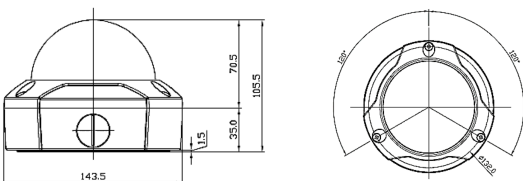
Features

- 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



VDVBB-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

VDVBB-1G81D



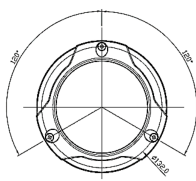
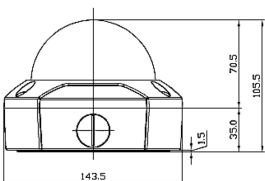
Features

- 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



VDVBB-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

VDVBB-1M83D



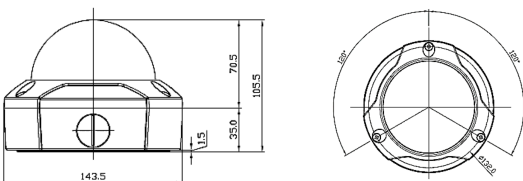
Features

- 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



VDVBB-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
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

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

VDVBB-1L81D



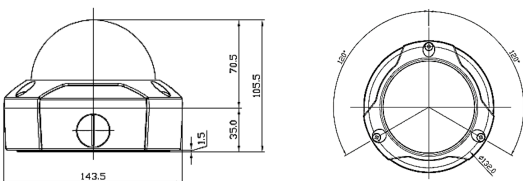
Features

- 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



VDVBB-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 @ 15fps 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
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-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)



VMSFB

13. MINIATURE Camera

36mm X 36mm

Board Lens

* Image : Size of the mini housing

IP - 2MP MINIATURE Camera

VMSFB-1E66E



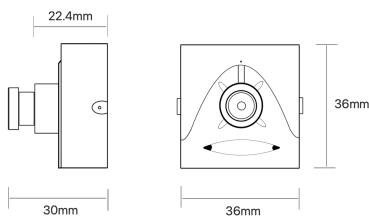
Features

- 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.

VMSFB-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

VMSFB-1D71D



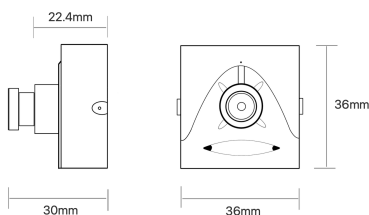
Features

- 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.

VMSFB-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

VMSFB-1G81D



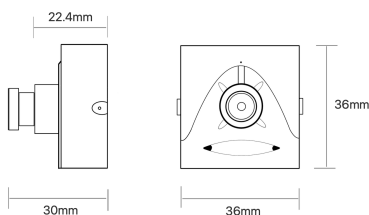
Features

- 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.

VMSFB-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
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

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

VMSFB-1L81D



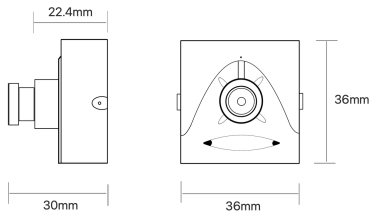
Features

- 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.

VMSFB-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 matte finish and a small, circular pinhole lens on its front face. The background is solid black.

14. MINIATURE Camera

VMSCB

36mm X 36mm

Pinhole Lens

* Image : Side view of the mini camera. Pinhole lens

IP - 2MP MINIATURE Camera

VMSCB-1E66E



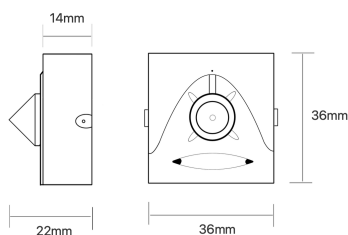
Features

- 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.

VMSCB-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

VMSCB-1D71D



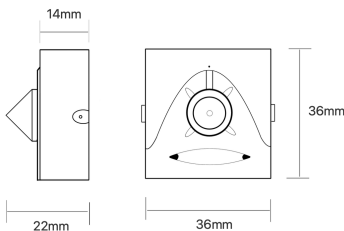
Features

- 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.

VMSCB-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

VMSCB-1G81D



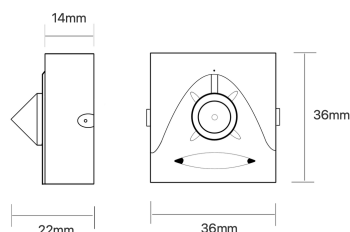
Features

- 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.

VMSCB-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
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

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

VMSCB-1L81D



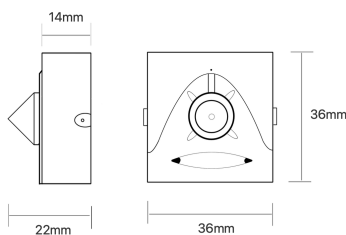
Features

- 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.

VMSCB-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

VMSMB

36mm X 36mm

Manual V/F Lens

* Image : Side view of the Miniature camera with manual V/F lens

IP - 2MP MINIATURE Camera

VMSMB-1E66E



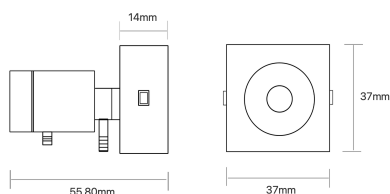
Features

- 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.

VMSMB-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

VMSMB-1D71D



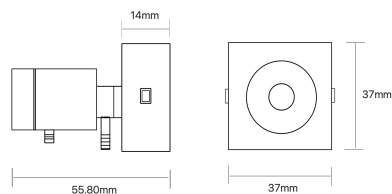
Features

- 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.

VMSMB-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

VMSMB-1G81D



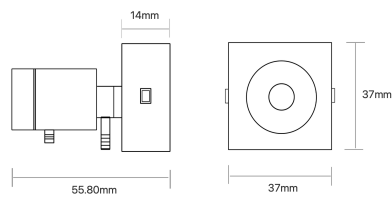
Features

- 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.

VMSMB-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
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	
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

VMSMB-1L81D



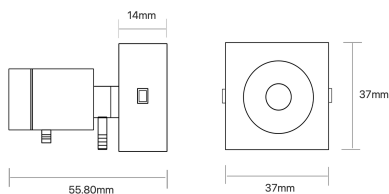
Features

- 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.

VMSMB-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 of a person's hand holding a small, silver, cylindrical bullet camera. The camera has a black cable attached to its side. The background is a plain, light-colored wall. The image is slightly blurred, focusing on the camera and the hand holding it.

16. MINI BULLET Camera

VMBFE

Ø20.8mm

3.6mm Fixed Lens

IP - 2MP MINI BULLET Camera

VMBFE-1E66E



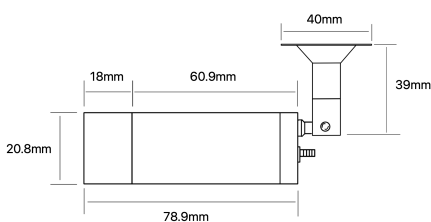
Features

- 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



VMBFE-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

VMBFE-1D71D



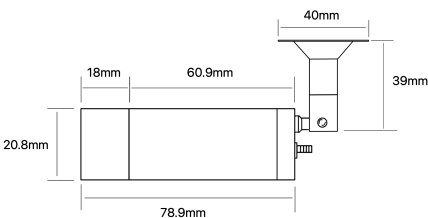
Features

- 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



VMBFE-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

VMBFE-1G81D



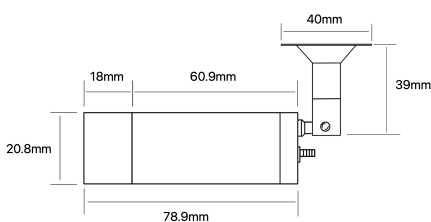
Features

- 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



VMBFE-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
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

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

VMBFE-1L81D



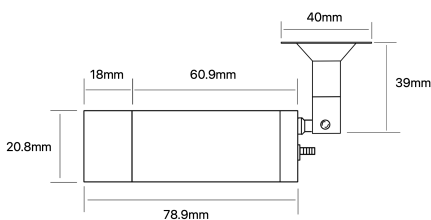
Features

- 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)

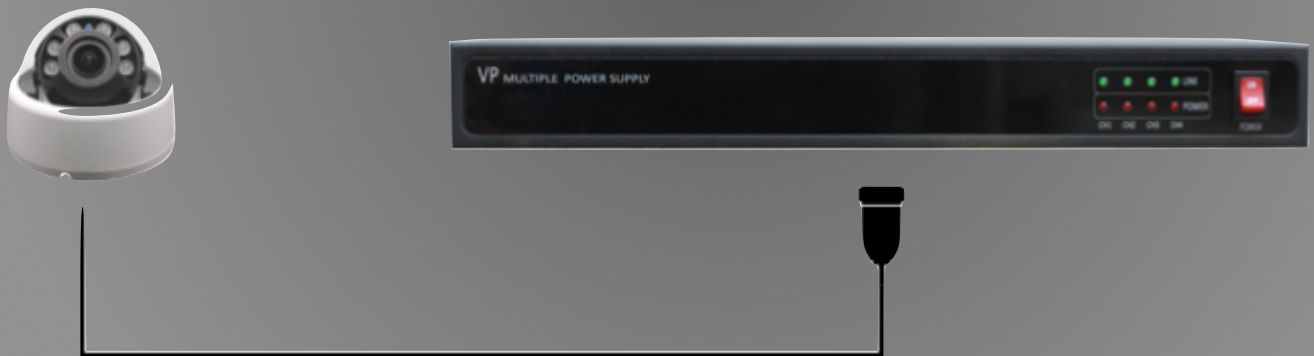
Dimensions



VMBFE-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
Electronic Shutter Speed	Auto / Flickerless / Manual
	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-HFBD (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	
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

VBOXA-1D71P



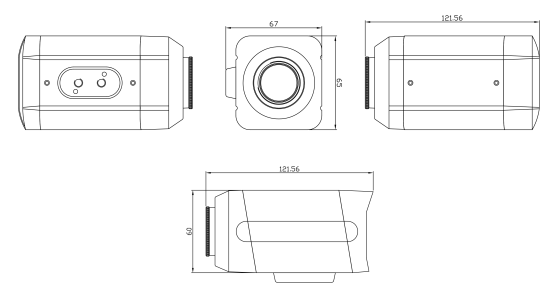
Features

- 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



VBOXA-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
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	121.56mm x 67mm x 65mm

VBOXA-1G81P



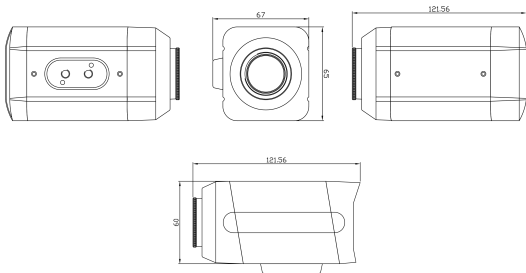
Features

- 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



VBOXA-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)

VIBBA-1D71P8T



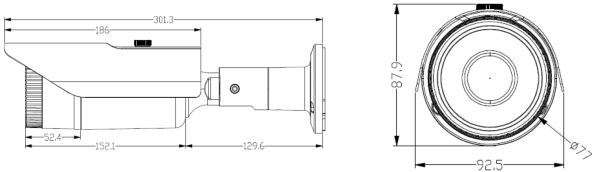
Features

- 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



VIBBA-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)

VIBBA-1G81P8T



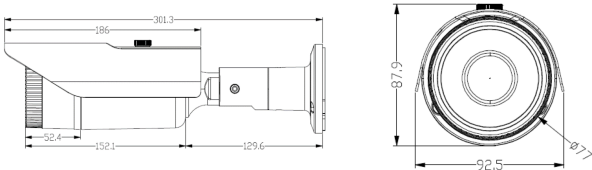
Features

- 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



VIBBA-1G81P8T	
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
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	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

VIBBA-1D71P



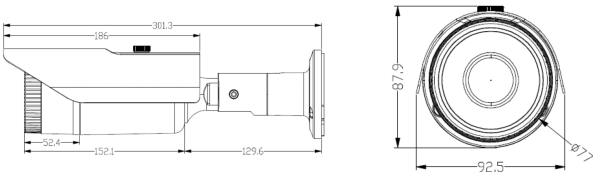
Features

- 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



VIBBA-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

VIBBA-1G81P



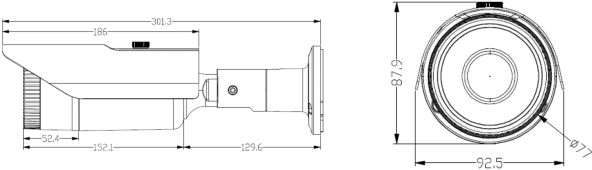
Features

- 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



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

PoC - 2MP BULLET Camera

VIBMC-1D71P24T



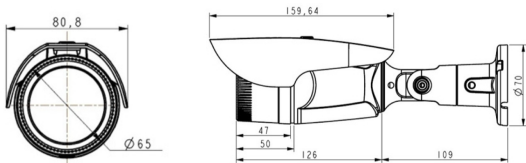
Features

- 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



VIBMC-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

VIBMC-1G81P24T



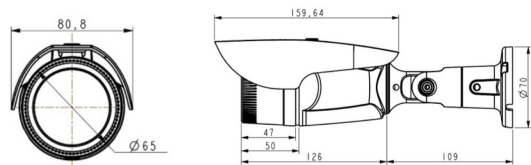
Features

- 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



VIBMC-1G81P24T	
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	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
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 : 350mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimension	Ø65mm x 135mm (L)

PoC - 2MP BULLET Camera

VIBMC-1D71P



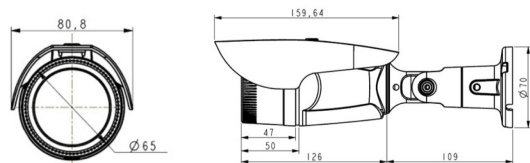
Features

- 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



VIBMC-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

VIBMC-1G81P



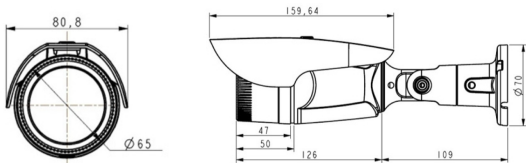
Features

- 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



VIBMC-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	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
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	Ø65mm x 135mm (L)

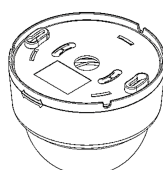
VDPBA-1D71P6T

VDPBA-1G81P6T



- 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

- 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)



VDPBA-1D71P



- 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

- 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)

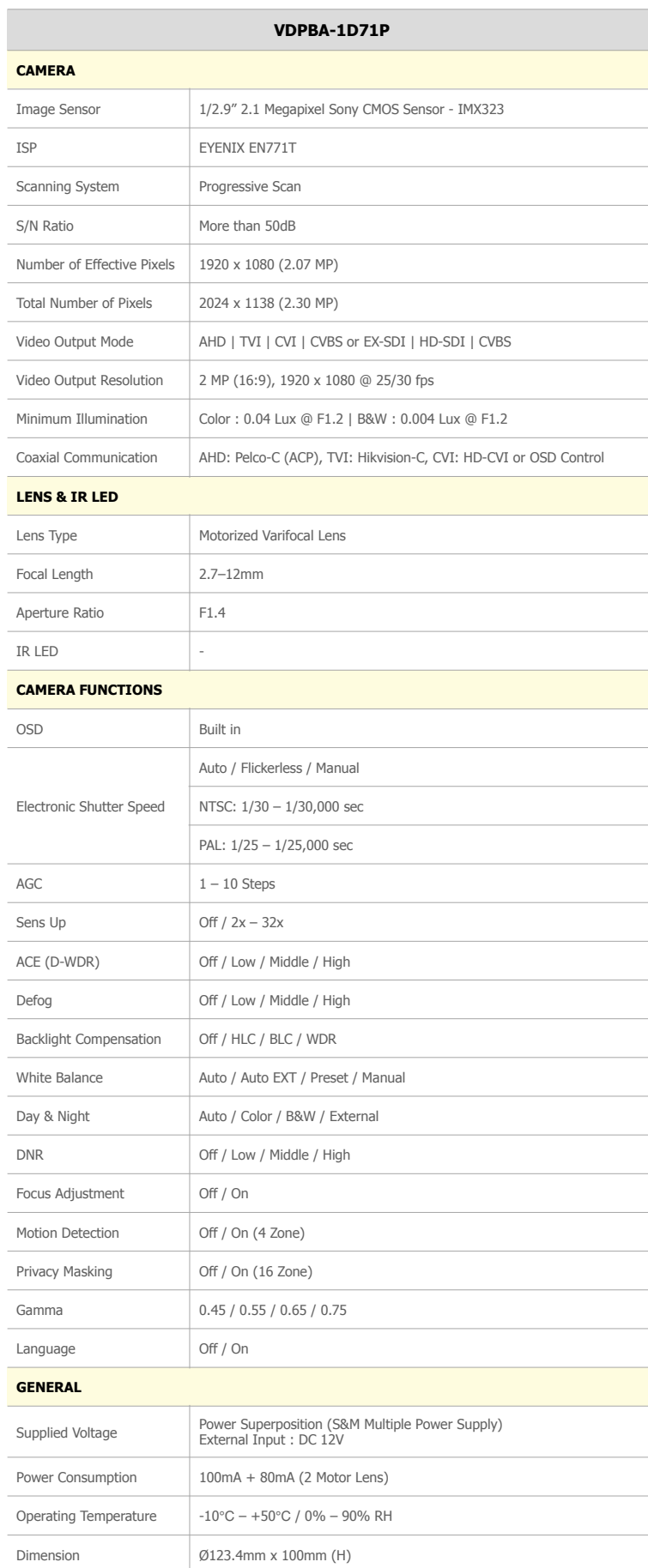
Technical drawing of a mechanical part, likely a bracket or support, showing top and side views with dimensions in millimeters.

Top View Dimensions:

- Overall width: 134.78
- Base width: 100.24
- Flange width: 6.60
- Flange thickness: 6.20
- Radius of semi-circular cutout: R50.12
- Offset from base to flange: 38.90
- Offset from base to flange (other side): 52.55

Side View Dimensions:

- Overall height: 75
- Flange thickness: 6.20
- Radius of semi-circular cutout: R50.12
- Offset from base to flange: 38.90
- Offset from base to flange (other side): 52.55



PoC - 4MP BULLET Camera

VDPBA-1G81P



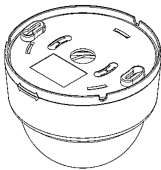
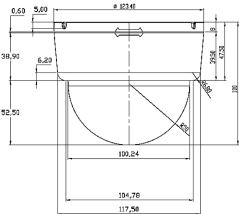
Features

- 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
- Plastic Housing
- White Color (Option : Black)
- Ø100mm Dome Size
- Ø123mm Housing Size
- Lens Option : 3.6mm Fixed Lens (F2.0)

Dimensions



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

PoC - 2MP BULLET Camera

VDVBB-1D71P



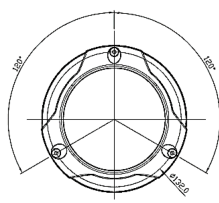
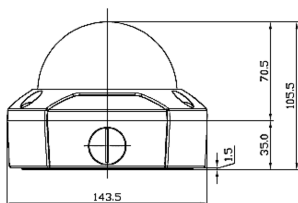
Features

- 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



VDVBB-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

VDVBB-1G81P



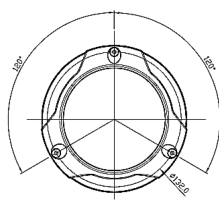
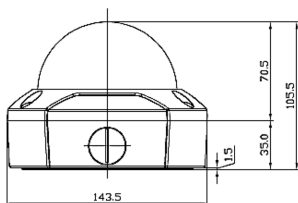
Features

- 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



VDVBB-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)