

PB08-EFR-1

4K Single Sensor Panoramic Bullet
IP66, IK10, PoE / DC 12V, NDAA



Seamless 180° Panoramic overview

The Minolta PB08-EFR-1 operates dewarping function to offer seamlessly 4K 180 degree panoramic view. With just one T2-2, it can provide total coverage of wide, open areas, such as parking lots, airports, and reduce the cost of installation and maintenance.

IK 10

This bullet camera is protected against punishing weather, vandals, vibration and shock. Its durability translates into better reliability and usability by reducing maintenance time.

Features

- Multiple Progressive Scan CMOS Sensor support up to 8M Resolution
- Edge Dewarping up to 8M Resolution
- Multi Exposure HDR
- Multi Codec support (H.265 / H.264 / MJPEG)
- Low Latency Streaming
- Quad Streams support
- True Day/Night function (ICR)
- IR LED (working distance up to 40m)
- BNC Analog Output for installation support*
- 3D Motion Compensated Noise Reduction (MCTF)
- Smart Event function- External Input/ Motion
- Detection/ Network Failure Detection/ Tampering
- Alarm/ Periodical Event/ Manual Trigger/ Audio Detection
- Text Overlay and Privacy Masks
- Micro SD/SDHC/SDXC Card support
- ONVIF Profile S/G/T/M support
- Smart Low Bitrate control
- Vandal proof (IK10 Rating)
- Weatherproof (IP66)*
- NDAA Compliant

*Optional

Custom Specification (Default)

Omni Vision 4K		
Image Sensor	Omni Vision 4K 1/2" Progressive CMOS	
Effective Pixels	HxV = 3872x2192(4K)	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265 HDR 4K @30fps + d1 @30fps	
	HDR 6M @30fps + 720p @30fps	
	H.264 HDR 4K @30fps + d1 @30fps	
	HDR 6M @30fps + 720p @30fps	
	MJPEG 1080p @30fps	
Lens : Default		
Minimum Illumination	Color	0.1 lux
	B/W	0.01 lux
Lens	Fisheye Lens	F2.8
	Focal Length	2.3mm
	Horizontal FOV	186°
	Vertical FOV	74°

Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Zoom	Optical zoom, digital zoom ready by lens type
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Corridor Mode	90°, 180°, 270° rotation
Video Codec	
Compression	H.265/H.264/MJPEG
Streaming	Up to 4 individually configurable streams in H.265/H.264/MJPEG Configurable resolution/frame rate/bandwidth LBR/VBR/CBR in H.265/H.264
Audio Codec	
Compression	G.711 / G.726 / AAC / LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	Line out
Network	
Interface	1Gbps Ethernet
Security	User Authentication/HTTPS/IP Filter/IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS
Onvif	Profile S / G / T / M conformant
System Integration	
Analytics	Motion Detection/Tampering/Audio detection
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video and audio recording to edge storage File Upload : FTP, network share and email Notification : HTTP, FTP, email

General	
Casing	Metal and Plastic
Power	PoE IEEE802.3af, max 12.95 watt AC24V, max 25.30 VA, max 14.08 watt
Connectors	RJ45
	Alarm in x2, Alarm out x1, Terminal Block
	AC 24V Terminal Block
	Audio in 3.5mm Jack
	Audio out 3.5mm Jack CVBS Connector*
IR Illumination	Illumination distance: 40m
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS
Operating Conditions	-30°C~55°C without heater -40°C~55°C with heater 10%~90%, No Condensation
Storage Conditions	-20°C~70°C
Approvals	EMC CE / FCC Safety LVD Environment IP66, IK10
Dimensions	∅158x181 mm
Weight	1170 g

*optional

Custom Specification

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	MJPEG 1080p @30fps
Lens	Fisheye Lens
Minimum Illumination	Color 0.1 lux
	B/W 0.01 lux
Lens	Fisheye Lens F2.8
	Focal Length 2.3mm
	Horizontal FOV 186°
	Vertical FOV 74°

Sony 4K	
Image Sensor	Sony 4K 1/1.8" Progressive CMOS
Effective Pixels	HxV = 3864x2180(4K)
Pixel Size	2.0 μm
Frame Rate (Maximum)	H.265 HDR 4K @30fps + d1 @30fps HDR 6M @30fps + 720p @30fps
	H.264 HDR 4K @30fps + d1 @30fps HDR 6M @30fps + 720p @30fps
	MJPEG 1080p @30fps
Lens	Fisheye Lens
Minimum Illumination	Color TBD lux
	B/W TBD lux
Lens	Fisheye Lens F2.8
	Focal Length 2.3mm
	Horizontal FOV 183°
	Vertical FOV 75°