![MINOLTA®]

PB08-EFR

4K Dual Sensor Panoramic Bullet,
Fixed 2.8mm, IP66, IK10

DNN Edge Analytic Engine

The latest Deep Neural Network edge analytic engine provides high accuracy, real-time object tracking capabilities. Moreover, it allows monitoring multiple objects at the same time.

Dynamic Stitching

Dynamic stitching technology has a core process to seeking optimal seam line. PB08-EFR uses two 4M image sensors with this advanced technology to cover wide open areas monitoring, and offers seamless 8M real-time, 180 degree panoramic view with less distortion.

Features

- Multiple Progressive Scan CMOS Sensor support 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 support (15M)
- 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
- Weatherproof (IP66)
- Vandal Proof (IK10)
- NDAA Compliant

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Custom Specification (Default)

Omni Vision 4M	
Image Sensor	Omni Vision 4M x2 1/1.8" Progressive CMOS
Effective Pixels	HxV = 2704x1568 (4M) x2
Pixel Size	2.9 µm
Frame Rate (Maximum)	H.265 HDR 8M @30fps
	H.264 HDR 8M @30fps
	MJPEG 1080p @30fps

Lens : Default		
Minimum Illumination	Color	0.098 lux
	B/W	0.02 lux
Lens	Type	Fixed Lens x2, F1.6
	Focal Length	2.8mm
	Horizontal FOV	182.0°
	Vertical FOV	57.4°

Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Flip Mode	0°, 180° rotation

Video Codec	
Compression	H.265/H.264/MJPEG
Streaming	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	
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

Intelligent Video Analytics	
General Analytics	Motion Detection/Tampering/Audio detection

General		
Casing	Metal and Plastic	
Power	PoE IEEE802.3af, max 12.95 watt AC24V, max 28.44 VA, max 15.86 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	
IR Illumination	Illumination distance: 15m	
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS	
Operating Conditions	-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	Ø140x105.5 mm	
Weight	1.1kg	

*optional