

- ▶ Edge Dewarping and Backend Dewarping
- ▶ HDR Engine Gen3
- ▶ Low Light Engine Gen3
- ▶ Weatherproof (IP66 International)*
- ▶ Vandal Proof IK10*
- ▶ 5M Economic Fisheye Camera



*optional

Edge Dewarping

Edge dewarping engine enables the fisheye camera to dewarp fisheye images by camera rather than backend system. This reduces the integration effort for backend system and also enhances the flexibility of usage.



HDR Engine Gen3

The latest HDR engine delivers excellent, natural high dynamic images. Both details of high light and low light areas are kept, and no blending artifacts are generated.



Low Light Engine Gen3

Under extremely low light environment, Low Light Engine gen3 delivers low noise, high quality image without compromising on details. In addition, it also keeps image sharp on motion object.



Features

- Progressive Scan CMOS Sensor support 5M Resolution
- Edge Dewarping/Backend Dewarping
- Multiple Dewarp Display Modes
Digital PTZ/Panorama View/Quad View
- True Day/Night function (ICR)
- IR LED (working distance up to 10m)
- Multi Codec support (H.265/H.264/MJPEG)
- 3D Motion Compensated Noise Reduction
- Smart Event function
 - External Input/Manual Trigger
 - Motion Detection/Periodical Event
 - Network Failure Detection/Audio Detection
- Micro SD/SDHC/SDXC Card support
- ONVIF S/G/T/M support
- Weatherproof (IP66)*
- Vandal Proof (IK10 Rating)*

* optional

Custom Specification (Default)

OmniVision 5M		
Image Sensor	OmniVision 5M 1/2.7" Progressive CMOS	
Effective Pixels	HxV = 2720x1976 (5M)	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265	HDR 5M @30fps + 720p @30fps
	H.264	HDR 5M @30fps + 720p @30fps
	MJPEG	2M @30fps
Lens : Default		
Minimum Illumination	Color	0.248 lux
	B/W	0.052 lux
Lens	Type	1/2.8" Fisheye Lens, F2.4
	Focal Length	1.1 mm
	Horizontal FOV	197°
	Vertical FOV	197°

Common Specification

Camera	
Day and Night	Removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Gen3 Engine
Digital Zoom	10x
Image Settings	Exposure, White Balance, Brightness, Sharpness, Contrast, Saturation, Hue, IR Threshold, Noise Reduction, Backlight Compensation, Rotation, Text Overlay, Privacy Mask
Rotation	180° rotation
Video Codec	
Compression	H.265/H.264/MJPEG
Streaming	Up to 4 individually configurable streams/ resolution/frame rate/bandwidth in H.265/H.264/MJPEG LBR/VBR/CBR in H.265/H.264
Audio Codec	
Compression	G.711/G.726/AAC/LPCM
Streaming	2 way
Audio Input	Microphone built-in ¹ or Line in ²
Audio Output	Speaker built-in ¹ or Line out ²
Network	
Interface	10/100Mbps 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, RTSPS, HTTP, HTTPS, FTP, NTP, DDNS, LLDP, RTMP, SRTP
ONVIF	Profile S/G/T/M conformant
System Integration	
General Analytics	Motion Detection/Tampering/Audio Detection
Events 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, class 0, max 12.95 watt DC12V, max 13.62 watt	
Connectors	RJ45	
	DC12V, Terminal Block	
	Alarm in x1, Alarm out x1, Terminal Block	
	Audio in, Terminal Block ¹ Line in, 3.5mm Jack ²	
	Audio out, Terminal Block ¹ Line out, 3.5mm Jack ²	
IR Illumination Distance	10m	
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS	
Operating Conditions	-10°C~55°C ¹ -30°C~55°C ² 10%~90%, No Condensation	
Storage Conditions	-20°C~70°C	
Approvals	EMC Safety Environment	CE/FCC RoHS IP66 ² , IK10 ³
Dimensions	Ø130x58 mm	
Weight	560 g	

¹ Indoor

² Outdoor

³ Housing with bubble