

- ▲ 3-axis adjustable
- ▲ Crystal Engine Gen3
- ▲ HDR Engine Gen3
- ▲ Audio codec for superb audio quality
- ▲ IR LED built in



### 3 Axis Gimbal

S5-L's usability is enhanced by adopting a small yet robust 3 axis gimbal design. The lens can be adjusted to desired angle, so even when the camera has to be installed at unfavorable position, ideal field of view can be captured by re-positioning the lens.



### 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.



### Crystal Engine Gen3

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



### Features

- Multiple Progressive Scan CMOS Sensor support up to 5M Resolution
- Multi Exposure line-interleaved 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 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)\*

\*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	0.172 lux
	B/W	0.036 lux
Lens	Type	F2.0
	Focal Length	2.8mm
	Horizontal FOV	108.3°
	Vertical FOV	76.5°

## Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Gen3 Engine
Zoom	digital zoom 10x
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Image Rotation	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 and Microphone built in*
Audio Output	Line out and Speaker built in*
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, 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

\*optional

General	
Casing	Plastic
Power	PoE IEEE802.3af, class 0, max 5.76 watt DC12V, max 6.48 watt
Connectors	RJ45
	Alarm in x1, Alarm out x1, Terminal Block
	DC12V Terminal Block
	Audio in Terminal Block
	Audio out Terminal Block
CVBS connector	
IR Illumination	Illumination distance: 15m
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS
Operating Conditions	-30°C~55°C 10%~90%, No Condensation
Storage Conditions	-20°C~70°C
Approvals	EMC
	CE / FCC Environment IP66*
Dimensions	Ø105x65 mm
Weight	248 g

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Default

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Frame Rate (Maximum)	H.265	HDR 5M @30fps + 720p @30fps
	H.264	HDR 5M @30fps + 720p @30fps
	MJPEG	2M @30fps
Lens		
Minimum Illumination	Color	0.172 lux
	B/W	0.036 lux
Lens	Type	F2.0
	Focal Length	2.8mm
	Horizontal FOV	108.3°
	Vertical FOV	76.5°

Sony 2M		
Image Sensor	Sony 2M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 1945x1097 (2M)	
Pixel Size	2.9 μm	
Frame Rate (Maximum)	H.265	HDR 2M @30fps + 720p @30fps
	H.264	HDR 2M @30fps + 720p @30fps
	MJPEG	2M @30fps
Lens		
Minimum Illumination	Color	TBD lux
	B/W	TBD lux
Lens	Type	F2.0
	Focal Length	2.8mm
	Horizontal FOV	112.0°
	Vertical FOV	61.9°