

- ▶ Deep Neural Network Accelerated Engine
- ▶ Single or Dual Lens Imaging
- ▶ Seamless 360° pan rotation and full vertical tilt angle
- ▶ IR LED Illumination built in
- ▶ LiDAR and Wiper support*
- ▶ Vandal Proof and Weatherproof
- ▶ Servo Feedback

*optional



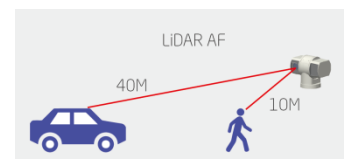
AI Execution Performance Increased by Up to 24 Times

Compared to baseline models, the computing power of D series has been increased by 24 times. This allows for faster processing, high accuracy, and improved recognition of smaller objects at the same resolution.



Advanced Auto Focus

The Advanced AF technology, combines built-in LiDAR module with the machine learning contrast auto focus, greatly helps the camera to focus faster, achieve better accuracy and escalate focus performance to another level.



Servo Feedback

IR Positioning Camera features Servo Feedback technology. When encountering external force, such as vandalism, or environmental vibration, the IR Positioning Camera can immediately return to its original position.



Features

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| <ul style="list-style-type: none"> ▶ Sony Progressive Scan CMOS Sensor support up to 8M Resolution ▶ 8M, 31x Optical Zoom available ▶ LiDAR & Wiper support* ▶ Multi Exposure HDR (Visible) ▶ Electrical Image Stabilizer (EIS) Support ▶ 3D Motion Compensated Noise Reduction ▶ IR LED Illumination Support (400m) ▶ Servo Feedback - Zero Drifting ▶ Dual power support ▶ ONVIF Profile S/G/T/M support | <ul style="list-style-type: none"> ▶ Deep Neural Network Accelerated Engine <ul style="list-style-type: none"> ▶ Detection and Recognition – Human / Vehicle ▶ Behavior Analytics – Human / Vehicle / Object ▶ Smart Event function <ul style="list-style-type: none"> ▶ External Input/ Motion Detection ▶ Network Failure Detection/ Tampering Alarm ▶ Periodical Event/ Manual Trigger/ Audio Detection ▶ Weatherproof (IP66) ▶ Vandal proof (IK10 Rating) |
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*optional

Custom Specification (Default)

Image Sensor		
Image Sensor	Sony 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3864 x 2180	
Video Resolution	3840 x 2160	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265	HDR 8M @30fps + 2M @30fps
	H.264	HDR 8M @30fps + 2M @30fps
	MJPEG	HDR 2M @30fps
Lens		
Minimum Illumination	Color	0.01 lux
	B/W	0.007 lux
Lens	Type	31x Zoom Lens, P-Iris, Auto-Iris, F1.35
	Focal Length	6.9-214.6 mm
	Horizontal FOV	61.8° (wide), 2.2° (tele)
	Vertical FOV	35.9° (wide), 1.3° (tele)

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/Audio Detection
DNN Analytics	Face Detection/Tracking/Recognition LPR Detection/Recognition People Detection and Tracking Human/Vehicle Classification Object Classification/Recognition

Common Specification

Camera Features		
Day and Night	Removable IR-cut filter	
Shutter Time	1~1/10K sec.	
HDR	Gen3 Engine	
EIS	Yes	
Digital Zoom	12x	
LiDAR	Yes*	
Wiper	Yes*	
Image Settings	Exposure, White Balance, Brightness, Sharpness, Contrast, Saturation, Hue, IR Threshold, Noise Reduction, Backlight Compensation, Text Overlay, Privacy Mask	
Image Rotation	180° rotation	
Pan/Tilt		
Pan/Tilt Range	Pan : 0~360° endless	Tilt : -90~90°
Manual Speed	Pan : 0.1~90°/s	Tilt : 0.1~55°/s
Preset Speed	Pan : 200°/s	Tilt : 200°/s
Preset	256	
PTZ Mode	8 Sequence, 8 cruise, 4 auto pan	
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	10/100/1000Mbps 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	

*optional

General		
Casing	Metal and Plastic	
Power	IEEE802.3bt, Type 3, class 6, max TBD watt AC24V, max TBD watt, max TBD VA	
Connectors	RJ45	
	AC24V, Terminal Block	
	Alarm in x4, Alarm out x2, Terminal Block	
	Audio in, Terminal Block	
	Audio out, Terminal Block	
IR Illumination Distance	RS485 Terminal Block*	
	CVBS Terminal Block	
IR Illumination Distance	400m	
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS	
Operating Conditions	-40°C~50°C, with heater 10%~90%, No Condensation	
Storage Conditions	-20°C~70°C	
Approvals	EMC	CE/FCC
	Safety Environment	RoHS IP66, IK10
Dimensions	412.6x207.5x403.2 mm	
Weight	15.8 kg	

*optional

Custom Specification

Default

Sony 8M		
Image Sensor	Sony 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3864 x 2180	
Video Resolution	3840 x 2160	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265	HDR 8M @30fps + 2M @30fps
	H.264	HDR 8M @30fps + 2M @30fps
	MJPEG	HDR 2M @30fps
Lens		
Minimum Illumination	Color	0.01 lux
	B/W	0.007 lux
Lens	Type	31x Zoom Lens, P-Iris, Auto-Iris, F1.35
	Focal Length	6.9-214.6 mm
	Horizontal FOV	61.8° (wide), 2.2° (tele)
	Vertical FOV	35.9° (wide), 1.3° (tele)

Sony 2M		
Image Sensor	Sony 2M 1/2.0" Progressive CMOS	
Effective Pixels	HxV = 1945 x 1097	
Video Resolution	1920 x 1080	
Pixel Size	3.75 μm	
Frame Rate (Maximum)	H.265	HDR 2M @30fps + 2M @30fps
	H.264	HDR 2M @30fps + 2M @30fps
	MJPEG	HDR 2M @30fps
Lens		
Minimum Illumination	Color	0.049 lux
	B/W	0.001 lux
Lens	Type	31x Zoom Lens, P-Iris, Auto-Iris, F1.35
	Focal Length	6.9-214.6 mm
	Horizontal FOV	58.3° (wide), 2.1° (tele)
	Vertical FOV	33.8° (wide), 1.2° (tele)