

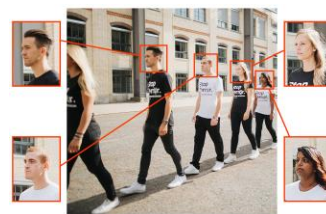
- ▶ AI Engine Gen 2
- ▶ Support 8M, 31x Optical Zoom
- ▶ IR LED built in
- ▶ LiDAR or Wiper support*
- ▶ Servo Feedback

*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.



Features

- ▶ Multiple Sony Progressive Scan CMOS Sensor support up to 8M Resolution
- ▶ 8M, 31x Optical Zoom available
- ▶ LiDAR support*
- ▶ Wiper support*
- ▶ Multi Exposure HDR
- ▶ Electrical Image Stabilizer (EIS) Support
- ▶ Multi Codec support (H.265/H.264/MJPEG)
- ▶ 3D Motion Compensated Noise Reduction
- ▶ IR Illumination (working distance up to 100m)
- ▶ ONVIF Profile S/G/T/M support
- ▶ Deep Neural Network Accelerated Engine
 - ▶ Detection and Recognition – Human / Vehicle
 - ▶ Behavior Analytics – Human / Vehicle / Object
- ▶ Smart Event function
 - ▶ External Input/ Motion Detection
 - ▶ Network Failure Detection/ Tampering Alarm
 - ▶ Periodical Event/ Manual Trigger/ Audio Detection
- ▶ Vandal proof (IK10 Rating, excluding glass window)
- ▶ Weatherproof (IP66)
- ▶ Servo Feedback - Zero Drifting

* optional

Custom Specification (Default)

Preliminary

Sony 8M		
Image Sensor	Sony 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3864x2180	
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	62° (wide), 2.3° (tele)
	Vertical FOV	35.8° (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		
Day and Night	Removable IR-cut filter	
Shutter Time	1~1/10K sec.	
HDR	Gen3 Engine	
EIS	Yes	
Digital Zoom	12x	
Image Settings	Exposure, White Balance, Brightness, Sharpness, Contrast, Saturation, Hue, IR Threshold, Noise Reduction, Backlight Compensation, Text Overlay, Privacy Mask	
Rotation	180° rotation	
Pan/Tilt		
Pan/Tilt Range	Pan : 0~360° endless	Tilt : -20~100°
Manual Speed	Pan : 0.1~90°/s	Tilt : 0.1~55°/s
Preset Speed	Pan : 300°/s	Tilt : 300°/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	

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	
IR Illumination Distance	100m	
	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 Safety Environment	CE/FCC RoHS IP66/IK10 ¹
Dimensions	Ø241x349 mm with Sunshield	
Weight	5.5 kg	

¹ IK10 rating excluding glass window

Custom Specification

Default

Preliminary

Sony 8M		
Image Sensor	Sony 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3856 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	62° (wide), 2.3° (tele)
	Vertical FOV	35.8° (wide), 1.3° (tele)

Sony 8M		
Image Sensor	Sony 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3856 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	TBD lux
	B/W	TBD lux
Lens	Type	36x Zoom Lens, P-Iris, Auto-Iris, F1.6
	Focal Length	6.5-234 mm
	Horizontal FOV	TBD
	Vertical FOV	TBD

Sony 8M		
Image Sensor	Sony 8M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 3864 x 2192	
Video Resolution	3840 x 2160	
Pixel Size	1.45 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	0.203 lux
	B/W	0.041 lux
Lens	Type	30x Zoom Lens, P-Iris, Auto-Iris, F1.8
	Focal Length	4.5-135 mm
	Horizontal FOV	62.7° (wide), 2.5° (tele)
	Vertical FOV	37.1° (wide), 1.4° (tele)

Sony 5M		
Image Sensor	Sony 5M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 2608 x 1964	
Video Resolution	2592 x 1944	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265	HDR 5M @30fps + 2M @30fps
	H.264	HDR 5M @30fps + 2M @30fps
	MJPEG	HDR 2M @30fps
Lens		
Minimum Illumination	Color	0.197 lux
	B/W	0 lux
Lens	Type	40x Zoom Lens, P-Iris, Auto-Iris, F1.6
	Focal Length	4.25-170 mm
	Horizontal FOV	62.6° (wide), 1.9° (tele)
	Vertical FOV	48.8° (wide), 1.4° (tele)

Sony 5M		
Image Sensor	Sony 5M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 2608 x 1964	
Video Resolution	2592 x 1944	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265	HDR 5M @30fps + 2M @30fps
	H.264	HDR 5M @30fps + 2M @30fps
	MJPEG	HDR 2M @30fps
Lens		
Minimum Illumination	Color	TBD lux
	B/W	TBD lux
Lens	Type	30x Zoom Lens, P-Iris, Auto-Iris, F1.8
	Focal Length	4.5-135 mm
	Horizontal FOV	59.4° (wide), 2.4° (tele)
	Vertical FOV	46.1° (wide), 1.8° (tele)

Sony 2M		
Image Sensor	Sony 2M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 1936 x 1096	
Video Resolution	1920 x 1080	
Pixel Size	2.9 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	TBD lux
	B/W	TBD lux
Lens	Type	40x Zoom Lens, P-Iris, Auto-Iris, F1.6
	Focal Length	4.25-170 mm
	Horizontal FOV	66.5° (wide), 2.0° (tele)
	Vertical FOV	39.6° (wide), 1.2° (tele)