

- ▶ AI Engine Gen 2
- ▶ Zoom Lens/ Motorized Lens Available
- ▶ Auto Focus Function
- ▶ Remote Zoom/ Focus/ IRIS Control on AF Lens
- ▶ Dual IRIS Support (Auto-IRIS & P-IRIS)
- ▶ Triple Power Support (PoE/ DC12V/ AC24V)
- ▶ IR LED Built-in



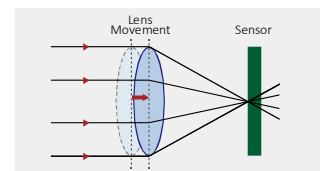
AI Execution Performance Increased by Up to 24 Times

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.



Auto Focus

With the zoom lens and unique algorithm, fast and reliable auto focus can be realized for different indoor and outdoor scenes. As auto focus can be done by camera itself, no on-site focus adjustment is required.



Features

- ▶ Progressive Scan CMOS Sensor support up to 8M Resolution
- ▶ Multi Exposure HDR
- ▶ Multi Codec support (H.265/H.264/MJPEG)
- ▶ Quad Streams support
- ▶ True Day/Night function (ICR)
- ▶ IR LED (working distance up to 50m)
- ▶ 3D Motion Compensated Noise Reduction (MCTF)
- ▶ Micro SD/SDHC/SDXC Card 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
- ▶ ONVIF Profile S/G/T/M support
- ▶ Weatherproof (IP66)

Custom Specification (Default)

Sony 8M		
Image Sensor	Sony 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3856x2180 (8M)	
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	0.14 lux
	B/W	0 lux
Lens	Type	Motorized Lens, P-Iris, F1.5
	Focal Length	3.6-11mm
	Horizontal FOV	111° (wide), 47.1° (Tele)
	Vertical FOV	60° (wide), 26.6° (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/Recognition LPR Detection/Recognition Human Detection/Recognition/Tracking Vehicle Detection/Recognition/Tracking Human/Vehicle/Object Behavior Analytics Heat Map

Common Specification

Camera	
Day and Night	Removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Digital Zoom	10x
Image Settings	Exposure, White Balance, Brightness, Sharpness, Contrast, Saturation, Hue, Day/Night Threshold, Noise Reduction, Backlight Compensation, Text Overlay, Privacy Mask
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
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	PoE IEEE802.3af, class 0, max 25.5 watt DC12V, 23.89 watt AC24V, max 26.41 watt, max 44.0 VA	
Connectors	RJ45	
	Alarm in x2, Alarm out x1, Terminal Block	
	DC12V Terminal Block	
	AC 24V Terminal Block	
	Audio in 3.5mm Jack	
	Audio out 3.5mm Jack	
IR Illumination Distance	50m	
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS	
Operating Conditions	-30°C~55°C without heater -55°C~55°C with heater 10%~90%, No Condensation	
Storage Conditions	-20°C~70°C	
Approvals	EMC Safety Environment	CE/FCC RoHS IP66
Dimensions	Ø92x224.6 mm	
Weight	780 g	

Custom Specification

Default

Sony 8M		
Image Sensor	Sony 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3856x2180 (8M)	
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	0.14 lux
	B/W	0 lux
Lens	Type	Motorized Lens, P-Iris, F1.5
	Focal Length	3.6-11mm
	Horizontal FOV	111° (wide), 47.1° (Tele)
	Vertical FOV	60° (wide), 26.6° (Tele)

Sony 5M		
Image Sensor	Sony 5M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 2608x1964 (5M)	
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	Motorized Lens, P-Iris, F1.6
	Focal Length	3.2-9.9mm
	Horizontal FOV	TBD
	Vertical FOV	TBD

Sony 2M		
Image Sensor	Sony 2M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 1936x1100 (2M)	
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	0.079 lux
	B/W	0 lux
Lens	Type	Motorized Lens, P-Iris, F1.6
	Focal Length	3.2-9.9mm
	Horizontal FOV	112.7° (wide), 32.9° (Tele)
	Vertical FOV	59.1° (wide), 18.5° (Tele)