

- ▶ AI Engine Gen 2
- ▶ i-CS Lens Support Option*
- ▶ Auto Back Focus (ABF) Option*
- ▶ Dual IRIS Support (Auto-IRIS & P-IRIS)
- ▶ Triple Power Support (PoE+/ DC12V/ AC24V)



*Optional

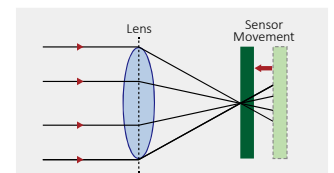
AI Execution Performance Increased by Up to 24 Times

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.



Auto Back Focus (ABF)

Focus fine-tuning is made easy by an auto back focus mechanism which adapts to compatible CS mount mega pixel lenses; this auto back focus function can be done by camera itself, or executed remotely to save time and labor cost needed for on-site focus adjustment.



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)
- ▶ 3D Motion Compensated Noise Reduction (MCTF)
- ▶ Micro SD/SDHC/SDXC Card support
- ▶ RS485 support
- ▶ 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
- ▶ BNC Analog Output for installation support

Custom Specification (Default)

Sony 8M		
Image Sensor	Sony 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3856x2180	
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	0.0125 lux @F1.5
	B/W	0.0085 lux @F1.5
Lens	CS Mount lens Remote focus (ABF)* i-CS lens*	

* Optional

* Minimum illumination may vary depending on the selected lens configuration.

Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Digital Zoom	10x
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
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
Network	
Interface	1Gbps 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	
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

General		
Casing	Metal and Plastic	
Power	PoE IEEE802.3at, class 0, max TBD watt DC24V, max TBD watt AC24V, max TBD watt, max TBD 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	
Storage	CVBS Connector	
	RS485 Terminal Block	
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
Dimensions	138x75x52 mm	
Weight	ABF	530g
	Non ABF	462g

Custom Specification

Default

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	H.264	HDR 8M @30fps + 2M @30fps
	MJPEG	HDR 2M @30fps
Lens		
Minimum Illumination*	Color	0.0125 lux @F1.5
	B/W	0.0085 lux @F1.5
Lens	CS Mount lens Remote focus (ABF)* i-CS lens*	

* Optional

* Minimum illumination may vary depending on the selected lens configuration.

Sony 2M		
Image Sensor	Sony 2M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 1936x1100	
Video Resolution	1920x1080	
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	0.1 lux @F1.6
	B/W	0.002 lux @F1.6
Lens	CS Mount lens Remote focus (ABF)* i-CS lens*	

* Optional

* Minimum illumination may vary depending on the selected lens configuration.