

- ▶ AI Engine Gen 2
- ▶ Zoom Lens / Motorized Lens Available
- ▶ Remote Zoom / Auto Focus Function
- ▶ Dual IRIS Support (Auto-IRIS & P-IRIS)
- ▶ Triple Power Support (PoE/ DC12V/ AC24V)
- ▶ Quick Connection Mounting
- ▶ Vandal Proof IK10



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.



IK 10

This rugged dome camera is protected against punishing weather, vandals, vibration and shock. Its durability translates into better reliability and usability by reducing maintenance time.



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 Illumination (working distance up to 50m)
- ▶ 3D Motion Compensated Noise Reduction
- ▶ Micro SD/SDHC/SDXC Card 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
- ▶ Weatherproof (IP66)
- ▶ Vandal Proof (IK10 Rating)
- ▶ Zero-Down-Time(ZDT) Power Switching

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	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Digital Zoom	Optical zoom, 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
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

General	
Casing	Metal
Power	PoE IEEE802.3at, class 0, max 23.67 watt DC24V, max 20.73 watt AC24V, max 23.28 watt, max 50.6 VA
Connectors	RJ45
	Alarm in x1, Alarm out x1, Terminal Block
	DC 12V Terminal Block
	AC 24V Terminal Block
	Audio in, Terminal Block
	Audio out, Terminal Block
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 Environment CE/FCC IP66, IK10
Dimensions	Ø133.8x117.4 mm
Weight	760 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 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	0.017 lux
	B/W	0.012 lux
Lens	Type	Motorized Lens, P-Iris, F1.75
	Focal Length	4.73-9.74mm
	Horizontal FOV	104.5° (wide), 46.9° (Tele)
	Vertical FOV	55° (wide), 26.1° (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	2.7-12mm
	Horizontal FOV	98.9° (wide), 30.3° (Tele)
	Vertical FOV	71.5° (wide), 23° (Tele)

Sony 2M		
Image Sensor	Sony 2M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 1936x1100 (2M)	
Video Resolution	1920x1080	
Pixel Size	2.90 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	2.7-12mm
	Horizontal FOV	112.7° (wide), 32.9° (Tele)
	Vertical FOV	59.1° (wide), 18.5° (Tele)