

- ▶ 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



6x AI Power Advancement

With an astounding 6x increase in AI power over its predecessor (AI Engine Gen1), D series with AI Engine Gen 2 stands ready to revolutionize the world with high accuracy object detection and recognition, even at long distances, all while delivering superior image quality.



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 40m)
- ▶ 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

Preliminary

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	TBD lux
	B/W	TBD lux
Lens	Type	Motorized Lens, P-Iris, F1.5
	Focal Length	3.6-11mm
	Horizontal FOV	TBD
	Vertical FOV	TBD

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

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, HTTP, HTTPS, FTP, NTP, DDNS
ONVIF	Profile S/G/T/M conformant

General	
Casing	Metal Body
Power	PoE IEEE802.3af, class 0, max TBD watt
	DC24V, max TBD watt
	AC24V, max TBD watt, max TBD VA
Connectors	RJ45
	Alarm in x1, Alarm out x1, Terminal Block
	DC12V Terminal Block
	AC 24V Terminal Block
	Audio in, Terminal Block Audio out, Terminal Block
IR Illumination Distance	40m
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

Preliminary

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	TBD lux
	B/W	TBD lux
Lens	Type	Motorized Lens, P-Iris, F1.5
	Focal Length	3.6-11mm
	Horizontal FOV	TBD
	Vertical FOV	TBD

OmniVision 8M		
Image Sensor	OmniVision 8M 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3872x2192(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	0.1 lux
	B/W	0.01 lux
Lens	Type	Motorized Lens, P-Iris, F1.5
	Focal Length	3.6-11mm
	Horizontal FOV	110.4° (wide), 47.3° (tele)
	Vertical FOV	59.5° (wide), 26.7° (tele)

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	TBD lux
	B/W	TBD Lux
Lens	Type	Motorized Lens, P-Iris, F1.6
	Focal Length	2.7-12mm
	Horizontal FOV	TBD
	Vertical FOV	TBD