

- IP68
- 4MP
- IA
- 2.5X



- 4MP Resolution, 2.5X Optical Zoom
- Explosion-Proof, anti-corrosion, waterproof
- 304 Stainless Steel (can be customized to 316L stainless steel), apply to strong corrosive environment.
- iA (intelligent Auto)
- Super Dynamic 102dB

EX Marking




Certification



Markets



	Ex-Level	ATEX II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC IP68 T80°C Db
	Ingress Protection level	IP68
Housing Specification	Temperature range	-40°C~60°C
	Relative humidity	≤ 95% (+25°C)
	Atmospheric pressure	80kpa~106 kpa
	Power Source	[Power Source] PoE (IEEE802.3af Compliant) [Power Consumption] PoE DC 48 V : 140 mA / Approx. 6.7 W
	Suitable Environment	Apply to explosive gas and combustible dust environment
	Material	304 Stainless Steel
	Installation method	bracket or base installation
Camera	Image Sensor	Approx. 1/2.7 type CMOS image sensor
	Minimum Illumination	Color : 0.21 lx (30IRE, F2.0, 1/30s, AGC:11)* 0.3 lx (50IRE, F2.0, 1/30s, AGC:11) 0.019 lx (50IRE, F2.0, 16/30s, AGC:11)* BW : 0.12 lx (50IRE, F2.0, 1/30s, AGC:11) 0.0075 lx (50IRE, F2.0, 16/30s, AGC:11)* *Converted value
	White Balance	AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
	Maximum shutter	Max. 1/10000 s to Max. 16/30 s
	Intelligent Auto	On / Off
	Super Dynamic	On / Off, The level can be set in the range of 0 to 31.
	Dynamic Range	Max. 102 dB (Super Dynamic: On, Level: 31)
	Adaptive Black Stretch	-

Camera	Back Light Compensation/ High Light Compensation	BLC (Back light compensation) / HLC (High light compensation) / Off (only when Super dynamic / Intelligent Auto: Off)
	Fog Compensation	On/Off only when Intelligent Auto / Auto contrast adjust: Off
	Maximum Gain (AGC)	The level can be set in the range of 0 to 11.
	Color/BW (ICR)	0 / On / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	Digital Noise Reduction	The level can be set in the range of 0 to 255.
	Video Motion Detection (VMD)	On/ Off (4 areas available)
	Scene Change Detection (SCD)	On/ Off (1 area available)
	Audio Detection	On/ Off
	AI Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break
	AI Analytics	AI Video Motion Detection
	Privacy Zone	On/Off (Up to 8 zones available)
	Image Rotation	0° (Off)/ 90°/ 180° (Upside-down)/ 270°
Camera Title (OSD)	On/Off Up to 20 characters (alphanumeric characters, marks)	

Lens	Focal length	2.9 mm – 7.3 mm{1/8inches-9/32inches}
	Zoom Ratio	2.5x Optical zoom (Motorized zoom / Motorized focus) 3.3x FHD Extra Optical Zoom (when resolution is 1920x1080)
	Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4
	Angular Field of View	[16 : 9 mode] *[4:3 mode] is not supported. Horizontal : 44° (TELE) – 103° (WIDE), Vertical : 25° (TELE) – 57° (WIDE)
	Focus range	1 m {39-3/8 inches} – ∞
	Maximum Aperture Ratio	1 : 2.0 (WIDE) – 1 : 3.0(TELE)
DORI	Detect (25ppm / 8ppf)	Wide: 40.7 m /133.6 ft, Tele: 126.7 m / 415.8 ft
	Observe (62.5ppm / 19ppf)	Wide: 16.3 m / 53.4 ft, Tele: 50.7 m / 166.3 ft
	Recognize (125ppm / 38ppf)	Wide: 8.1 m / 26.7 ft, Tele: 25.3 m / 83.2 ft
	Identify (250ppm / 76ppf)	Wide: 4.1 m / 13.4 ft, Tele: 12.7 m / 41.6 ft
Browser GUI	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
	Camera Control	Brightness
Network	Network IF	10Base-T / 100Base-TX, RJ45 connector
	Resolution H.265/ H.264	[16 : 9 mode(2688x1520 30fps mode)], [16 : 9 mode(2688x1520 25fps mode)] 2688x1520, 1920x1080, 640x360, 320x180 [16:9 mode(30fps mode)], [16:9 mode(25fps mode)] 2560x1440, 1920x1080, 640x360, 320x180 *[4:3 mode] is not supported. [16 : 9 mode(2688x1520 30fps mode)], [16 : 9 mode(2688x1520 25fps mode)] 2688x1520, 1920x1080, 640x360, 320x180 [16:9 mode(30fps mode)], [16:9 mode(25fps mode)] 2560x1440, 1920x1080, 640x360, 320x180 *[4:3 mode] is not supported.
	H.265/H.264	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast / Multicast
	JPEG	10 steps (image quality)

Network	Smart Coding	GOP(Group of pictures) control: On(Frame rate control)/ On(Advanced)/ On(Mid.)/ On(Low)/ O *Frame rate control and Advanced are only available with H.265. AUTO VIQS: On/ Off
	Audio compression method	-
	Audio Transmission Mode	-
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP,SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, Di Serv, MQTT, LLDP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP,DNS, DDNS,NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, Di Serv, MQTT, LLDP
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
	Secure	Device Certi cate GlobalSign® pre-installed, User authentication,Host authentication, HTTPS, 802.1X Support, Data encryption
	SDXC/SDHC/SD Memory Card (Option)	H.265/H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC Compatible SDXC/SDHC/SD Memory Card : microSDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB microSDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB microSD memory card: 2 GB
	Mobile Terminal Compatibility	iPad, iPhone, Android™ terminals
	ONVIF®Profile	G / M / S / T

Alarm	Alarm Source	VMD alarm, SCD alarm, Command alarm
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output
Input/Output	Audio Input	-
	Audio Output	-
	External I/O Terminals	-
	Monitor Output	-
General	Safety	UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1
	EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55035
	Power Source and Power Consumption	PoE (IEEE802.3af compliant) Device : DC48 V 100 mA, Approx. 4.8 W (Class 2 device)
	Ambient Operating Temperature	-10 °C to +50 °C (+14 °F to +122 °F) {Power On range: 0 °C to +50 °C (+32°F to +122 °F)}
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Dimensions *Installing using the base bracket	59 mm (W) x 49 mm (H) x 116 mm (D) {2-5/16 inches (W) x 1-15/16 inches (H) x 4-9/16 inches (D)} (excluding side cover)
	Mass (approx.)	200 g {0.44 lbs.}
	Finish	Main body : PC / ABS resin, i-PRO white