



Features

- 316L Stainless steel
- 8MP Resolution
- Certificate Mark: ExdII C T6 Gb/ Ex tD A21 IP68 T80°C
- Protection enclosure: IP68
- Day/night functionality
- Smart IR, up to 30m (98ft) IR distance
- Optical glass window with higher light transmittance
- IR anti-reflection window to increase the infrared transmittance
- 2D/3D DNR (Digital Noise Reduction)
- Up to 120dB WDR (Wide Dynamic Range)
- Ultra 265,H.265, H.264, MJPEG
- Embedded smart algorithm
- Triple streams
- 9:16 corridor format
- ONVIF Conformance
- Wide temperature range: -30°C ~ 60°C (-22°F ~ 140°F)

Certificate					
Certificate Mark		ExdII C T6 Gb/ Ex tD A21 IP68 T80°C			
Mechanical					
Housing		Stainless steel 316L (also available in 304)			
IP		IP68			
Cable Thread Hole		1pcs G3/4 or NPT3/4			
Electrical					
Voltage		DC24V or POE power supply			
Power		8W			
Ambient					
Ambient Temperature		-25°C to 60°C [-13°F to 140°C]			
Air Pressure		80Kpa to 106Kpa			
Relative Humidity		≤ 95% (no condensation)			
Lights					
Light distance		20-30m			
Camera					
Sensor		1/2.5", 8.0 megapixel, progressive scan, CMOS			
Lens		4.0mm@F2.0			
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	4.0	72	28.8	14.4	7.2
Angle of View (H)		91.6°			
Angle of View (V)		47.2°			
Angle of View (O)		112.7°			
Adjustment Range		Pan: 0°~360°; Tilt: 0°~90°, Rotation: 0°~360°			
Shutter Speed		Auto/Manual, 1~1/100000s			
Minimum Illumination		Color: 0.05 Lux (F2.0, AGC ON) 0 Lux with IR on			
Day/Night		IR-cut filter with auto switch (ICR)			
Digital noise reduction		2D/3D DNR			
S/N		> 52dB			
IR Range		Up to 30m (98ft) IR range			
Defog		Digital Defog			
WDR		120dB			
Video					
Video Compression		Ultra 265,H.265, H.264, MJPEG			
H.264 code profile		Baseline profile, Main Profile, High Profile			
Frame Rate		Main Stream: 8MP (3840 x 2160), Max 20fps; Sub Stream: 1080P (1920 x 1080), Max 30fps; Third Stream: D1 (720 x 576), Max30fps			
9:16 Corridor Mode		Supported			
HLC		Supported			
BLC		Supported			
OSD		Up to 8 OSDs			
Privacy Mask		Up to 8 areas			
ROI		Up to 8 areas			
Motion Detection		Up to 4 areas			

VIDEO

Behavior Detection	Intrusion, cross line, motion detection
Intrusion	Enter and loiter in a pre-defined virtual region
Cross Line	Cross a pre-defined virtual line
Motion Detection	Moving within a pre-defined virtual region
Recognition	Face detection
Intelligent Identification	Defocus, Scene Change, Object Left, Object Moving
Statistical Analysis	People counting
General Function	Watermark, IP Address Filtering, Tampering Alarm, Access Policy, ARP Protection, RTSP Authentication, User Authentication

NETWORK

Protocols	IPv4,IGMP,ICMP,ARP,TCP,UDP,DHCP, RTP,RTSP,RTCP,DNS,DD-NS,NTP,FTP,UPnP,HTTP,HTTPS,SMTP, SSL,QoS
Compatible Integration	ONVIF (Profile S, Profile T), API
INTERFACE	
Network	1 RJ45 10M/100M Base-TX Ethernet
GENERAL	
Power	DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption	Max 8W

ATEX Markings Breakdown

MARKING ACCORDING ATEX DIRECTIVE 94/9/EC AND IECEx CERTIFICATION SCHEME

