



Features

- Fixed lens camera with PTZ camera integration delivers dual-channel streaming over a single IP address, providing a wide-angle overall view and a detailed close-up view at the same time
- High-quality image with 4 MP, 1/2.7" CMOS sensor
- Ultra 265, H.265, H.264, MJPEG video compression
- PTZ channel features 25X optical zoom, allowing for focusing on distant subjects without losing image clarity
- Smart intrusion prevention includes line-crossing, perimeter intrusion, area entry and area exit detection, all backed by intelligent false alarm filtering
- Supports face detection in masked areas and automatically selects the best captured snapshots
- Tracks people flow counting and crowd density monitoring, suitable for different statistical scenarios
- The PTZ channel can be linked to the fixed channel's smart intrusion prevention to track the object triggering the rule
- Features integrated sound and light warnings to deliver highly visible, real-time alerts
- LightHunter technology ensures ultra-high image quality in low-illumination environments
- DC 12 V, PoE+ (IEEE 802.3at) power supply
- Alarm I/O: 2/1; Audio I/O: 1/1

Specifications

Channel	Channel 1 (Panorama)	Channel 2 (Detail)	
CAMERA			
Sensor	1/2.7" CMOS		
Min. Illumination	Color: 0.0005 Lux (F1.0, AGC ON), 0 Lux with IR	Color: 0.003 Lux (F1.5, AGC ON), 0 Lux with IR	
Day/Night	IR-cut filter with auto switch (ICR)		
Shutter	Auto/Manual, 1 to 1/100000 s		
WDR	120 dB		
S/N	>56 dB		
LENS			
Focal Length	4.0 mm	4.8–120 mm	
Iris	F1.6	F1.5 to F3.8	
Field of View	H	91.3°	55.46°–3.09°
	V	46.7°	32.94°–1.73°
	D	112.3°	68.22°–3.65°
DORI			
DORI Distance	Detect	90 m (295.3 ft)	123.8–2475 m (406–8120 ft)
	Observe	36 m (118 ft)	49.5–990 m (162.4–3248 ft)
	Recognize	18 m (59.1 ft)	24.8–495 m (81.4–1624 ft)
	Identify	9 m (29.5 ft)	12.4–247.5 m (40.6–812 ft)
VIDEO			
Frame Rate	Main Stream	4MP (2688 × 1520) @25 fps (Default); 4MP (2688 × 1520), max. 30 fps; 4MP (2560 × 1440), max. 30 fps; 1080P (1920 × 1080), max. 30 fps; 720P (1280 × 720), max. 30 fps; D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps	
	Sub Stream	720P (1280 × 720), max. 30 fps; D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps	1080P (1920 × 1080), max. 30 fps; 720P (1280 × 720), max. 30 fps; D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps
	Third Stream	D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; 2CIF (704 × 288), max. 30 fps; CIF (352 × 288), max. 30 fps	
Video Compression	Ultra 265, H.265, H.264, MJPEG		

Specifications

Frame Rate	Main Stream	4MP (2688 × 1520), max. 30 fps	4MP (2688 × 1520), max. 30 fps
	Sub Stream	720P (1280 × 720), max. 30 fps	1080P (1920 × 1080), max. 30 fps
	Third Stream	D1 (720 × 576), max. 30 fps	D1 (720 × 576), max. 30 fps
Frame Rate Recommendation	2688 × 1520 @30 fps + 720P @30 fps + D1 @16 fps; 2688 × 1520 @30 fps + 720P @25 fps + D1 @30 fps; 2688 × 1520 @25 fps + 720P @25 fps + D1 @25 fps; 2560 × 1440 @30 fps + 720P @30 fps + D1 @30 fps; 2560 × 1440 @30 fps + 720P @25 fps + D1 @30 fps; 2560 × 1440 @25 fps + 720P @25 fps + D1 @25 fps; 1080P @30 fps + 720P @30 fps + D1 @30 fps; 1080P @25 fps + 720P @25 fps + D1 @25 fps		2688 × 1520 @30 fps + 1080P @30 fps + D1 @16 fps; 2688 × 1520 @30 fps + 1080P @25 fps + D1 @30 fps; 2688 × 1520 @25 fps + 1080P @25 fps + D1 @25 fps; 2560 × 1440 @30 fps + 1080P @30 fps + D1 @30 fps; 2560 × 1440 @30 fps + 1080P @25 fps + D1 @30 fps; 2560 × 1440 @25 fps + 1080P @25 fps + D1 @25 fps; 1080P @30 fps + 1080P @30 fps + D1 @30 fps; 1080P @25 fps + 1080P @25 fps + D1 @25 fps
Video Bit Rate	128 Kbps to 16 Mbps		
Video Stream	Triple streams		
U-Code	Support		
ROI	Support		
Privacy Mask	Up to 4 areas	24 areas, up to 4 areas per scene	
OSD	Up to 8 OSDs		
INTELLIGENT			
Linkage Function	Support; triggered by fixed lens via Smart Intrusion Prevention function to track target	N/A	
Smart Intrusion Prevention	Cross-line detection, intrusion detection, enter area detection, exit area detection (support false alarm filtering and the classification of human, non-motor vehicle, and vehicle)		
People Counting	People flow counting and crowd density detection		

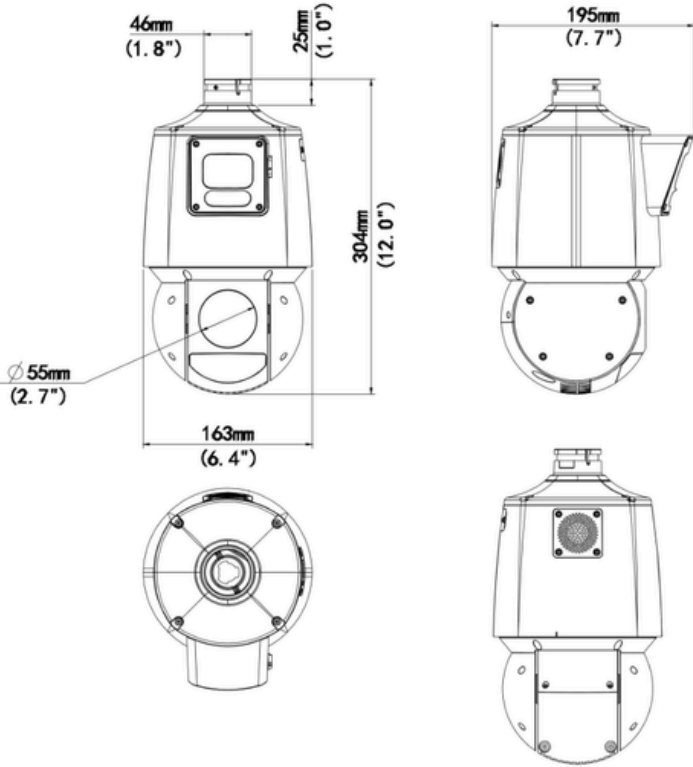
Exception Detection	Object Left Behind, Object removed, Scene change	Object Left Behind, Object removed
IMAGE		
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2	
Digital Noise Reduction	2D/3D DNR	
Flip	Normal, Flip vertical, Flip horizontal, 180°	
HLC	Support	
BLC	Support	
Smart IR	Support	
Defog	Digital defog	
Heatwave Reduction	Support	
ILLUMINATOR		
Light On/Off Control	Auto/Manual	
Wavelength	850 nm	
IR Distance	30 m (98 ft)	100 m (328 ft)
Supplemental Light	IR	
EVENTS		
Basic Detection	Motion detection, Audio detection, Tampering alarm	
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, Alarm input, Alarm output	
UMD (Ultra Motion Detection)	Support	
AUDIO		
Audio Compression	G.711U, G.711A	
Audio Bitrate	128 Kbps	
Two-Way Audio	Support	
Suppression	Support	
Sampling Rate	16 kHz	
STORAGE		
Edge Storage	MicroSD, up to 512 GB	
Network Storage	ANR	
NETWORK		
Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK	

Specifications

Protocols	SH, IGMP, RTP, RTCP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS	
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator	
Security	TLS 1.3, Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF	Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF, TLS 1.3
Client	EZStation, UNV-Link, UNV-Link Pro	
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+	
PTZ		
Number of Presets	N/A	1024
Preset Patrol	N/A	16 patrols, up to 64 presets for each patrol
Route Patrol	N/A	16 patrols, up to 32 actions for each patrol
Recorded Patrol	N/A	16 patrols, up to 128 actions for each patrol
Patrol Stay Time	15–1800 s	
Preset Image Freeze	N/A	
Home Position	N/A	Support
Number of Presets (IPC)	N/A	1024
Pan Range	N/A	360°
Tilt Range	18°±5°	-15°–90°
Pan Speed	N/A	0.1°/s–80°/s
Tilt Speed	N/A	0.1°/s–80°/s
INTERFACE		
Audio I/O	Input	1: impedance 1 kΩ, amplitude 2.5 V [p-p]
	Output	1: impedance 600 Ω, amplitude 2.5 V [p-p]
Alarm I/O	2/1	
Serial Port	1 × RS485	

Built-In Mic	N/A	
Built-In Speaker	Support	
Wi-Fi	N/A	
Network	1 × RJ45 10 M/100 M Base-TX Ethernet	
Video Output	N/A	
CERTIFICATION		
EMC	CE-EMC (EN 55032: 2015+A1: 2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 55035: 2017+A11: 2020); FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)	
Safety	CE LVD (EN 62368-1: 2014+A11: 2017); UL (UL 62368-1, 2nd Ed, Issue Date: 2014-12-01)	
Environment	CE-RoHS (2011/65/EU; (EU) 2015/863)	
Protection	IP66 (IEC 60529 : 1989+AMD1: 1999+AMD2: 2013)	
GENERAL		
Power	DC 12 V (±25%), PoE+ (IEEE 802.3at)	
Power Consumption	Max. 24 W	
Power Interface	Ø5.5 mm coaxial power plug	
Dimensions (L × W × H)	304 × 195 × 163 mm (12.0" × 7.7" × 6.4")	
Weight	2.27 kg (5 lb)	
Working Environment	Temperature	-40 °C to 65 °C (-40 °F to 149 °F)
	Humidity	≤ 95% RH (non-condensing)
Storage Environment	Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
	Humidity	≤ 95% RH (non-condensing)
Surge Protection	6 KV	
Reset Button	Support	
Web Client Language	22 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese, Arabic, Slovak	
CONFIGURABLE		
P/N	Support	

Dimensions



Accessories

Dome Indoor Ceiling Mounting Pedestal



Dome Wall Mounting Bracket



Dome Pole Mounting Bracket



Dome Ceiling Mounting Pole 500



Long Wall Mounting Bracket for Dome



Aluminium Alloy Pole Mounting Bracket



Dome Ceiling Mounting Pole 200



Dome Gooseneck Bracket



Dome Corner Mounting Bracket



Dome Indoor Ceiling Mounting Bracket



Dome Junction Box



Aluminium Alloy Corner Mounting Bracket

