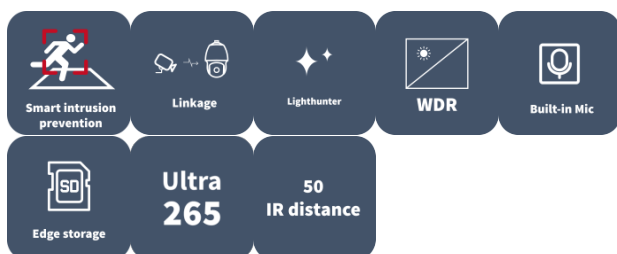**2MP + 2MP LightHunter Dual-lens Network PTZ Camera**

IPC9312LFW-AF28-2X4

Features

- Fixed camera and PTZ camera integration, dual-channel with one IP, provides overall view and detailed view at the same time
- High quality image with 1080P, 1/2.8" CMOS sensor
- 1920 × 1080@25 fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- 4X optical zoom of PTZ channel allows for closer viewing of subjects
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- PTZ channel can be linked to fixed channel's smart intrusion prevention to track the objects triggering the rule
- LightHunter technology ensures ultra-high image quality in low illumination environment
- Up to 120 dB optical WDR (wide dynamic range)
- Built-in dual-mic and high-power speaker, supports two-way audio, has better sound performance
- Supports ceiling mount and wall mount
- IR and warm light illumination to deal with different scenes and achieve full-color illumination
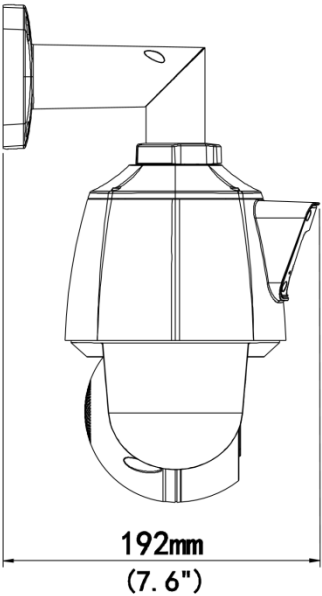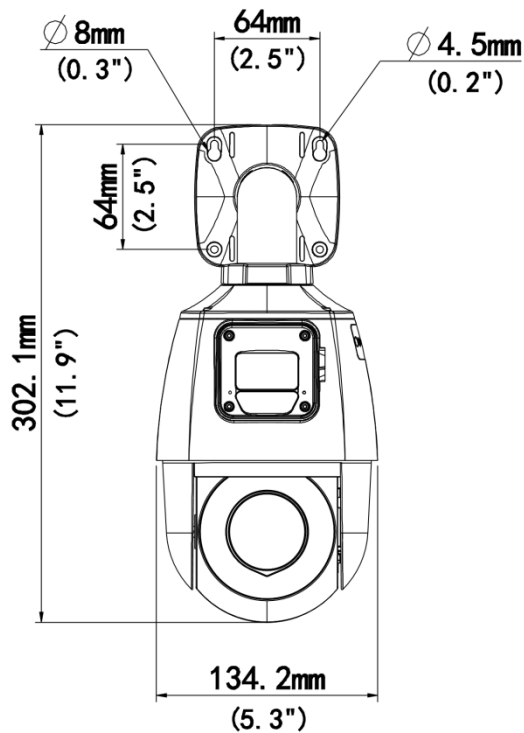- DC 12 V, PoE+ (IEEE 802.3at) power supply

Specifications

Channel	Channel 1 (Panorama)	Channel 2 (Detail)
Camera		
Sensor	1/2.8" CMOS	

Min. Illumination	Color: 0.002 Lux (F1.6, AGC ON), 0 lux with IR	Color: 0.002 Lux (F1.6, AGC ON), 0 Lux with IR/Warm light
Day/Night	IR-cut filter with auto switch (ICR)	
Shutter	Auto/Manual, 1 to 1/100000 s	
WDR	120 dB	
S/N	>52 dB	
Lens		
Focal Length	2.8 mm	2.8 to 12 mm
Optical Zoom	N/A	4X
Iris	F1.6	
Field of View (H)	102.4°	106.6° to 30.6°
Field of View (V)	54.9°	56.5° to 17.4°
Field of View (D)	133.1°	138.6° to 37.6°
DORI		
DORI Distance (Detect)	43.4 m (142.4 ft.)	43.4 m to 162.9 m (142.4 ft. to 534.5 ft.)
DORI Distance (Observe)	17.4 m (57.1 ft.)	17.4 m to 65.2 m (57.1 ft. to 213.9 ft.)
DORI Distance (Recognize)	8.7 m (28.5 ft.)	8.7 m to 32.6 m (28.5 ft. to 106.9 ft.)
DORI Distance (Identify)	4.3 m (14.1 ft.)	4.3 m to 16.3 m (14.1 ft. to 53.5 ft.)
Illuminator		
Wavelength	850 nm	
Light On/Off Control	Auto/Manual	
Illumination Distance (IR)	10 m (32.8 ft.)	50 m (164.0 ft.)
Illumination Distance (Warm Light)	N/A	10 m (32.8 ft.)
Image		
Defog	Digital defog	
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2	
Digital Noise Reduction	2D/3D DNR	
Smart IR	Support	
Flip	Normal, Flip vertical, Flip horizontal, 180°	
HLC	Support	
BLC	Support	
Intelligent		
Linkage Function	Support. Triggered by fixed lens via smart intrusion prevention function to track target	
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)	N/A
Video		
Frame Rate-Main Stream	1080P (1920 × 1080)@25 fps (default) 1080P (1920 × 1080), max. 25 fps720P (1280 × 720), max. 25 fps	

Frame Rate-Sub Stream	720P (1280 × 720), max. 25 fps
	D1 (720 × 576), max. 25 fps640 × 360, max. 25 fps2CIF (704 × 288), max. 25 fpsCIF (325 × 288), max. 25 fps
Privacy Mask	24 areas, up to 4 areas per scene
Video Compression	Ultra 265, H.265, H.264, MJPEG
Video Bit Rate	128 Kbps to 16 Mbps
U-code	Support (main stream)
ROI	Support
Video Stream	Dual streams
OSD	Up to 4 OSDs

Events		
Basic Detection	Motion detection, Audio detection	
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication	

PTZ		
Pan Range	N/A	0° to 345°
Pan Speed	N/A	1°/s to 40°/s
Tilt Range	18°±5°	-10° to 100°
Tilt Speed	N/A	2°/s to 50°/s
Number of Presets	N/A	256
Preset Patrol	N/A	16 patrols, up to 64 presets for each patrol
Patrol Stay Time	1000 s to 1800 s	
Home Position	N/A	Support

Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHz

Storage	
Edge Storage	MicroSD, up to 512 GB
Network Storage	ANR, NAS (NFS)

Network	
Protocols	SSH, 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
Compatible Integration	ONVIF (Profile S, Profile G, Profile M), API, SDK
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
Client	EZStation, UNV-Link, UNV-Link Pro
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+

Interface	

Built-in Mic	Built-in dual-mic
Built-in Speaker	Support
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Certification	
EMC	CE-EMC (EN55032:2015; EN55024:2010+A1:2015; EN61000-3-2:2014; EN61000-3-3:2013) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017; EN 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-ROHS (2011/65/EU)
Protection	IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013)
General	
Power	DC 12 V, PoE+ (IEEE 802.3at)
Power Consumption	Max. 16 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	Wall Mount: 192 mm × 134 mm × 302 mm (7.6" × 5.3" × 11.9") (L × W × H) Ceiling Mount: 154 mm × 134 mm × 363 mm (6.1" × 5.3" × 14.3") (L × W × H)
Weight	1.03 kg (2.27 lb.)
Working Environment	-20 ℃ to 60 ℃ (-4 ℉ to 140 ℉), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 ℃ to 70 ℃ (-22 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	2 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

Dimensions

Accessories

TR-JB07-D-IN

Bullet Junction Box(Support wiring from behind)

TR-UP06-B-IN

Bullet Pole Mounting Bracket

TR-CM06-D

Alarm Ball Machine Hoisting Bracket

TR-UC08-C

Bullet&Dome Corner Mounting Bracket

TR-A01-IN

NPT 3/4'' Waterproof Cable Gland

TR-UP06-C-IN

Pole Mounting Bracket for Bullet Junction Box Only

Unlimited New View

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