

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

IPC9312LFW-AF28-2X4



## Features

- Fixed camera and PTZ camera integration, dual channels with one IP, look at overall situation and consider details at the same time
- High quality image with 2MP, 1/2.8" CMOS sensor
- 1920 x 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, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection
- PTZ channel can be linked by fixed channel' 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 2\*mic & high-power speaker, support two-way audio, has better sound performance
- Support ceiling mount and wall mount
- IR & warm light illumination to deal with different scenes and achieve full-color illumination
- DC12V or PoE+ (IEEE 802.3at) power supply

## Specifications

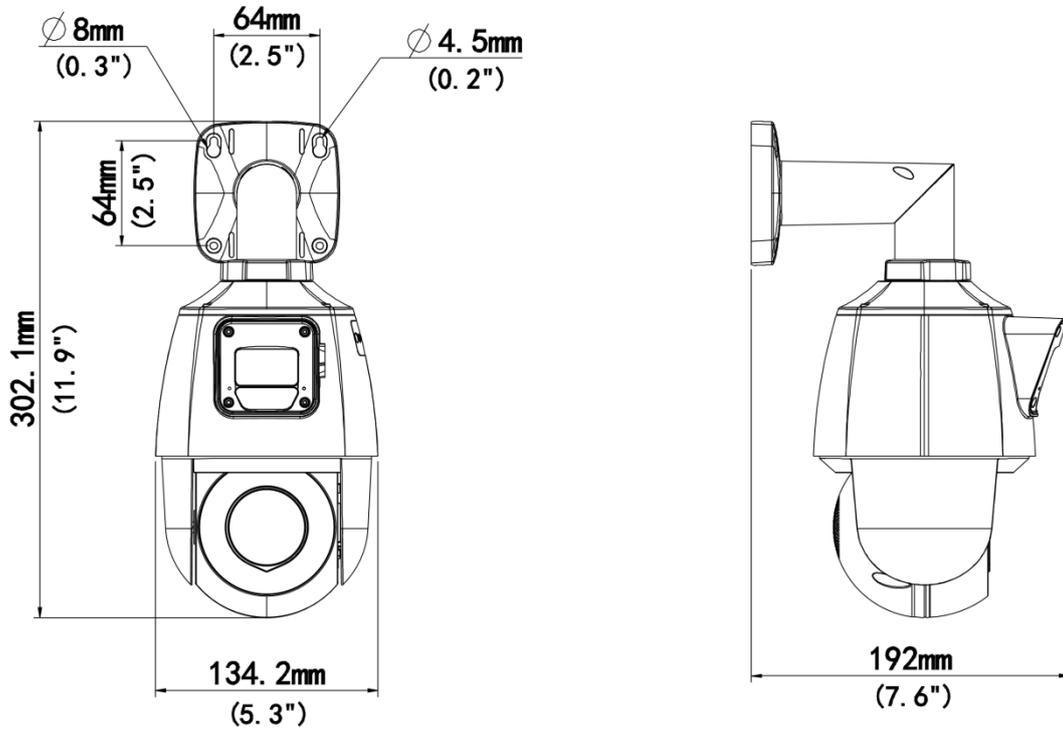
Channel	Channel 1 (Panorama)	Channel 2 (Detail)
Camera		

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	
<b>Lens</b>		
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° ~ 30.6°
Field of View (V)	54.9°	56.5° ~ 17.4°
Field of View (D)	133.1°	138.6° ~ 37.6°
<b>DORI</b>		
DORI Distance (Detect)	43.4 m (142.5 ft)	43.4 m ~ 162.9 m (142.5 ft ~ 534.6 ft)
DORI Distance (Observe)	17.4 m (57.0 ft)	17.4 m ~ 65.2 m (57.0 ft ~ 213.8 ft)
DORI Distance (Recognize)	8.7 m (28.5 ft)	8.7 m ~ 32.6 m (28.5 ft ~ 106.9 ft)
DORI Distance (Identify)	4.3 m (14.3 ft)	4.3 m ~ 16.3 m (14.3 ft ~ 53.5 ft)
<b>Illuminator</b>		
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)
<b>Image</b>		
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	
<b>Intelligent</b>		
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)	
<b>Video</b>		
Frame Rate-Main Stream	2MP (1920 x 1080) @25 fps (Default) 2MP (1920 x 1080), Max 25 fps 720P (1280 x 720), Max 25 fps	
Frame Rate-Sub Stream	720P (1280 x 720), Max 25 fps D1 (720 x 576), Max 25 fps 640 x 360, Max 25 fps 2CIF (704 x 288), Max 25 fps CIF (325 x 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	
<b>Events</b>		
Basic Detection	Motion Detection, Audio Detection	
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication	
<b>PTZ</b>		
Pan Range	N/A	0° ~ 345°
Pan Speed	N/A	1°/s ~ 40°/s
Tilt Range	18° ± 5°	-10° ~ 100°
Tilt Speed	N/A	2°/s ~ 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
<b>Audio</b>		
Audio Compression	G.711U, G.711A	
Audio Bitrate	128 Kbps	
Two-way Audio	Support	
Suppression	Support	
Sampling Rate	16KHz	
<b>Storage</b>		
Edge Storage	Micro SD, up to 512 GB	
Network Storage	ANR, NAS (NFS)	
<b>Network</b>		

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+
<b>Interface</b>	
Built-in Mic	Built-in two mics
Built-in Speaker	Support
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
<b>Certification</b>	
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)
<b>General</b>	
Power	DC12V, PoE+ (IEEE 802.3at)
Power Consumption	MAX 16W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	Wall Mount: 192 x 134 x 302 mm (7.6" x 5.3" x 11.9") (L x W x H) Ceiling Mount: 154 x 134 x 363 mm (6.1" x 5.3" x 14.3") (L x W x H)
Weight	1.03 kg (2.27 lb)
Working Environment	-20 °C to 60 °C (-4 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 °C to 70 °C (-22 °F to 158 °F), 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-UC08-C

Bullet&Dome Corner Mounting Bracket



TR-UP06-B-IN

Bullet Pole Mounting Bracket



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-CM06-D

Alarm Ball Machine Hoisting Bracket



TR-UP06-C-IN

Pole Mounting Bracket for Bullet Junction Box Only



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