2*2MP Lighthunter Dual-lens Network PTZ camera

IPC9312LFW-AF28-2X4

Key Features

| Smart Intrusion Prevention | Linkage | Lighthunter | WDR | Built-in Mic | Edge Storage | Ultra H.265 | 50 IR distance |

- 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*1080@25fps 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

Camera	IPC9312LFW-AF28-2X4	
Camera	Panorama	Detail
Sensor	1/2.8", 2MP, 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 ~ 1/100000s	
WDR	120dB	DWDR
S/N	> 52dB	
Lens		
Lens type	2.8mm@F1.6	2.8~12mm@F1.6, AF automatic focusing and motorized zoom lens
Optical Zoom	N/A	4X
Iris	Fixed aperture	
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°
DORI		

DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	2.8(Panorama)	43.4(142.5ft)	17.4(57.0ft)	8.7(28.5ft)	4.3(14.3ft)
	2.8(Detail)	43.4(142.5ft)	17.4(57.0ft)	8.7(28.5ft)	4.3(14.3ft)
	12(Detail)	162.9(534.6ft)	65.2(213.8ft)	32.6(106.9ft)	16.3(53.5ft)

Illuminator		
IR Range	Up to 10m (32.8 ft)	Up to 50m (164.0 ft)
Warm Light Range	N/A	Up to 10m (32.8 ft)
Wavelength	850nm (IR)	
Light On/Off Control	Auto/Manual	
Video		
Video Compression	Ultra 265, H.265, H.264, MJPEG	
Frame Rate	Main Stream: 1080P (1920*1080),Max 25fps Sub Stream: 720P (1280*720), Max 25fps	
Video Bit Rate	128 Kbps~16 Mbps	
U-code	Support (Main stream)	
ROI	Up to 8 areas	
Video stream	Dual streams	
OSD	Up to 4 OSDs	
Privacy Mask	24 areas, up to 4 areas per scene	
Image		
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	

Defog	Digital defog
Intelligent	
Smart Intrusion Prevention	Support false alarm filtering: Cross line detection, Intrusion detection, Enter area detection, Leave area detection
Linkage Function	Support, Triggered by fixed lens via smart intrusion prevention function to track target
Events	
Basic Detection	Audio detection
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication
Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz
Storage	
Edge Storage	Micro SD, up to 256 GB
Network Storage	ANR,NAS(NFS)
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and common user
Security	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 EZLive EZView
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above

Pan & Tilt		
Pan Range	N/A	0° ~ 345°
Pan Speed	N/A	1°/s ~ 40°/s
	Preset speed: N/A	Preset speed: 40°/s
Tilt Range	18° ± 5°	-10° ~ 100°
Tilt Speed	N/A	1°/s ~ 50°/s
	Preset speed: N/A	Preset speed: 50°/s
Number of Presets	256	
Preset Patrol	16 patrol routes, up to 64 presets for each route	
Patrol Stay Time	1000s~1800s	
Preset Image Freeze	N/A	
Home Position	Support	

Interface	
Audio I/O	N/A
Alarm I/O	N/A
Serial Port	N/A
Built-in Mic	Support (Mic*2)
Built-in Speaker	Support
Wi-Fi	N/A

Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	N/A
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) CB (IEC 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	DC12V, PoE+(IEEE 802.3at)
	Power consumption: MAX 16W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Wall Mount: Φ134 x 192 x 302mm (Φ5.3" x 7.6" x 11.9") Ceiling Mount: Φ134 x 154 x 363mm (Φ5.3" x 6.1" x 14.3")
Weight	1.03kg (2.27lb)
Working Environment	-20℃ ~ 60℃(-4°F ~ 140°F)，Humidity: ≤95% RH (non-condensing)
Storage Environment	-30℃ ~ 70℃(-22°F ~ 158°F)，Humidity: ≤95% RH (non-condensing)
Surge protection	2KV
Reset button	Support

Dimensions

Wall Mount
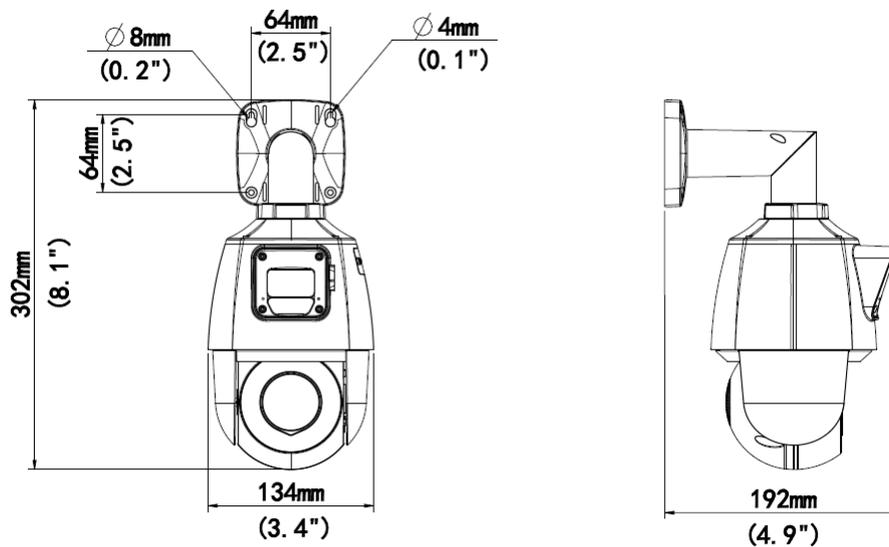
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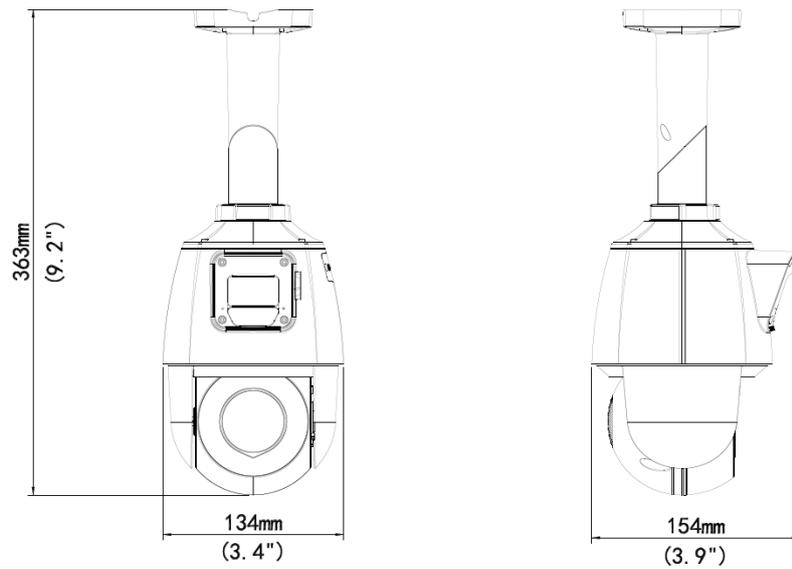
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*Product specifications and availability are subject to change without notice