

# 2\*2MP Lighthunter Dual-lens Network PTZ camera

IPC9312LFW-AF28-2X4



## Key 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\*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

IPC9312LFW-AF28-2X4					
<b>Camera</b>	Panorama <span style="float:right">Detail</span>				
Sensor	1/2.8", 2MP, CMOS				
Min. Illumination	Color:0.002 lux (F1.6, AGC ON) 0 lux with IR <span style="float:right">Color:0.002 lux (F1.6, AGC ON) 0 lux with IR/Warm light</span>				
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto/Manual, 1 ~ 1/100000s				
WDR	120dB <span style="float:right">DWDR</span>				
S/N	> 52dB				
<b>Lens</b>					
Lens type	2.8mm@F1.6 <span style="float:right">2.8~12mm@F1.6, AF automatic focusing and motorized zoom lens</span>				
Optical Zoom	N/A <span style="float:right">4X</span>				
Iris	Fixed aperture				
Angle of View (H)	102.4° <span style="float:right">106.6° ~ 30.6°</span>				
Angle of View (V)	54.9° <span style="float:right">56.5° ~ 17.4°</span>				
Angle of View (O)	133.1° <span style="float:right">138.6° ~ 37.6°</span>				
<b>DORI</b>					
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)
<b>Illuminator</b>					
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				
<b>Video</b>					
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				
<b>Image</b>					
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	
<b>Intelligent</b>		
Smart Intrusion Prevention	Support false alarm filtering: Cross line detection, Intrusion detection, Enter area detection, Leave area detection	N/A
Linkage Function	N/A	Support, Triggered by fixed lens via smart intrusion prevention function to track target
Video Metadata	N/A	
Intelligent Auto Tracking	N/A	
Recognition	N/A	
Face Counting	N/A	
<b>Events</b>		
Basic Detection	Audio detection	
Exception Detection & Statistics	N/A	
Auto Tracking	N/A	
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication	
<b>Audio</b>		
Audio Compression	G.711U, G.711A	
Audio Bitrate	64 Kbps	
Two-way Audio	Support	
Suppression	Support	
Sampling Rate	8 kHz	
<b>Storage</b>		
Edge Storage	Micro SD, up to 256 GB	
Network Storage	ANR,NAS(NFS)	
<b>Network</b>		
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. 2 user levels: administrator 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	
<b>Pan &amp; Tilt</b>		
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	255	
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**

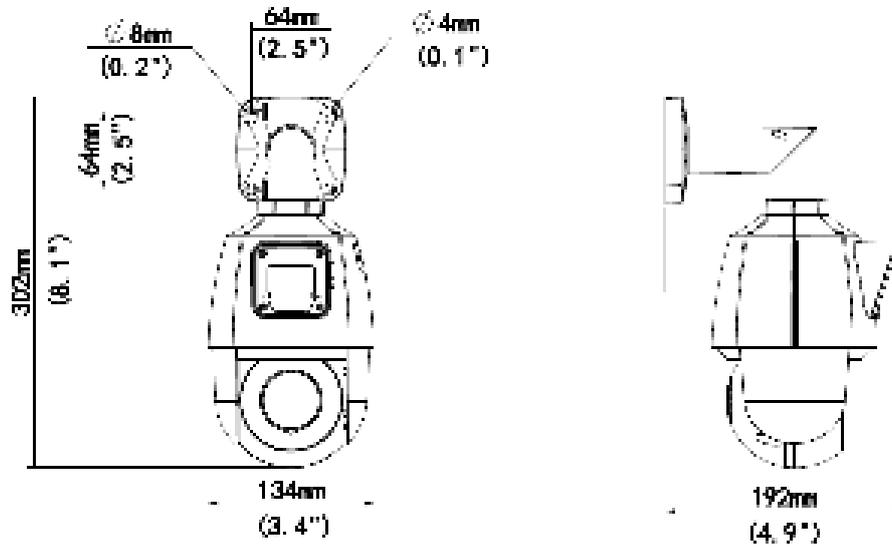
EMC	FCC CFR 47 Part 15 EN 55032:2015 EN 55024:2010 EN 61000-3-2:2014 EN 61000-3-3-2013
Safety	IEC 62368-1 EN 62368-1 UL 62368-1
Environment	CE-ROHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); REACH (Regulation (EC) No 1907/2006)

**General**

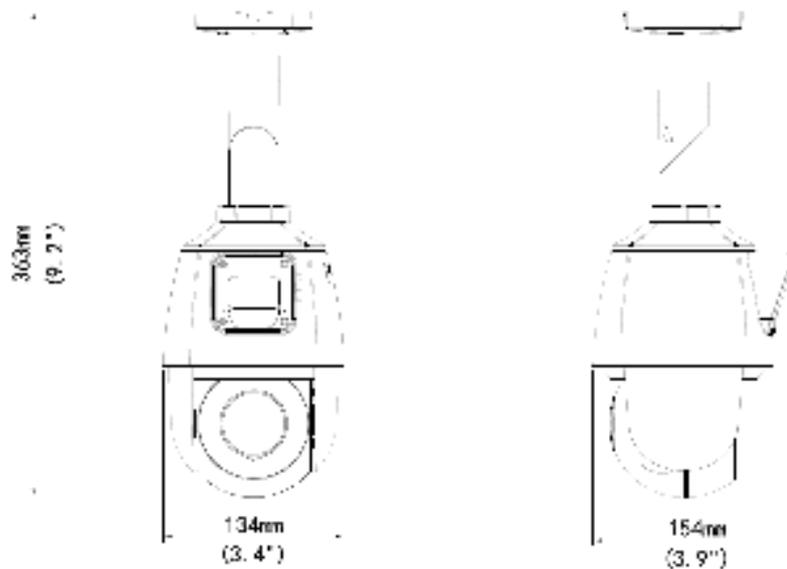
Power	DC12V, PoE+(IEEE 802.3at)
	Power consumption: MAX 16W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Wall Mount: Φ134 x 192 x 302mm (Φ5.3" x 7.6" x 11.9")
	Ceiling Mount: Φ134 x 154 x 363mm (Φ5.3" x 6.1" x 14.3")
Weight	1.03kg (2.27ft)
Working Environment	-20°C ~ 60°C(-4°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-30°C ~ 70°C(-22°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge protection	2KV
Reset button	Support
Protection	Ingress Protection: IP66
	Vandal Resistant: N/A

## Dimensions

### Wall Mount



### Ceiling Mount



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\*Product specifications and availability are subject to change without notice