

4MP 16X LightHunter Network PTZ Dome Camera Datasheet

IPC6434LR-X16-VG1



Features

- High quality image with 4 MP, 1/2.9" CMOS sensor
- 2688 × 1520@30 fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- Dual streams
- 16X optical zoom
- LightHunter technology ensures ultra-high image quality in low illumination environment
- Smart IR, up to 100 m (328 ft.) IR distance
- DC 12 V±10%, PoE+ (IEEE 802.3at)
- Alarm I/O: 2/1, audio I/O: 1/1
- IP66 ingress protection
- IK10 vandal resistant

Specifications

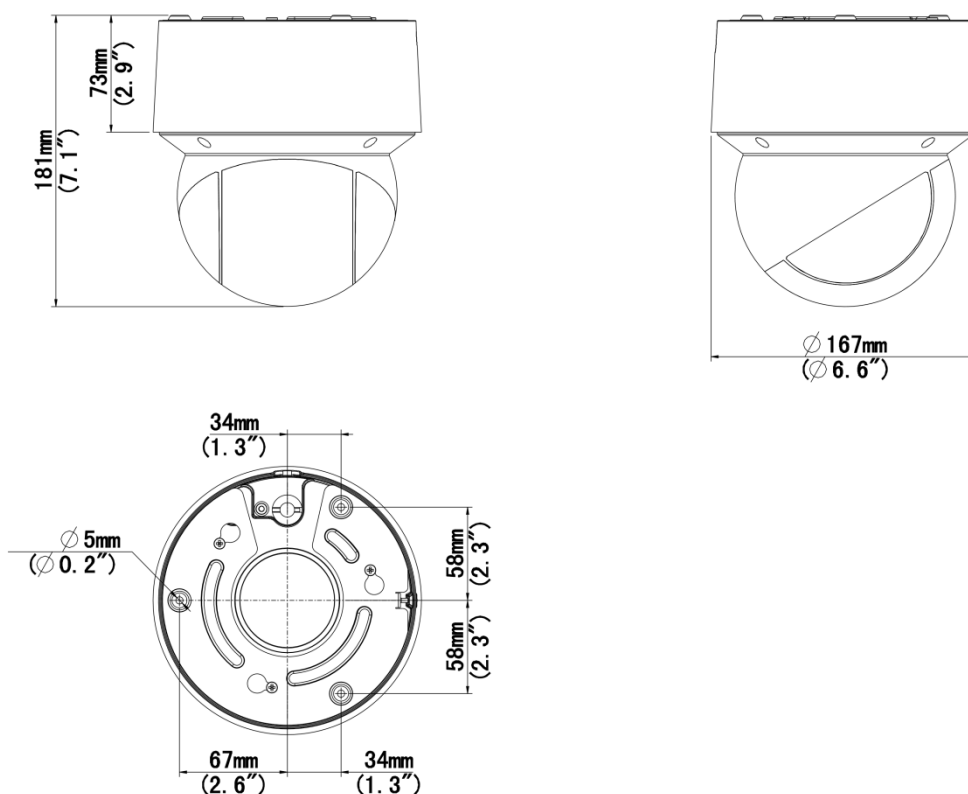
Model	IPC6434LR-X16-VG1
Camera	
Max Resolution	4 MP
Sensor	1/2.9" CMOS
Min. Illumination	Color: 0.005 Lux (F1.78, AGC ON), 0 Lux with IR

Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
WDR	120 dB
S/N	>56 dB
Lens	
Focal Length	5.5 to 88 mm
Optical Zoom	16X
Iris	F1.78-F3.73
Field of View (H)	50.85° to 3.47°
Field of View (V)	29.94° to 1.95°
Field of View (D)	62.55° to 4.09°
DORI	
DORI Distance (Detect)	127.6 m to 2048.4 m (418.6 ft. to 6720.5 ft.)
DORI Distance (Observe)	51.0 m to 819.4 m (167.4 ft. to 2688.2 ft.)
DORI Distance (Recognize)	25.5 m to 409.7 m (83.7 ft. to 1344.1 ft.)
DORI Distance (Identify)	12.8 m to 204.8 m (41.9 ft. to 672.0 ft.)
Illuminator	
Illumination Distance (IR)	Up to 100m (328 ft) IR range
IR On/Off Control	Auto/Manual
Wavelength	850 nm
Video	
Privacy Mask	24 areas, up to 4 areas per scene
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 4 MP (2688 × 1520), max. 30 fps Sub Stream: 720P (1280 × 720), max. 30 fps
Video Bit Rate	128 Kbps to 16 Mbps
U-code	Support
ROI	Support
Video Stream	Dual streams
OSD	Up to 4 OSDs
Image	
Defog	Digital defog
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
Intelligent	
Auto Tracking	Support, target filtering: human and vehicle
Smart Intrusion Prevention	Cross line detection, intrusion detection (support false alarm filtering and the classification of human and vehicle)
Events	

Basic Detection	Motion detection, Tampering alarm, Audio detection
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, Alarm input
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	
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Protocols	IPv4, IPv6, IGMP, RTP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M), SDK, API
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, UNV-Link, UNV-Link Pro
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+
PTZ	
Pan Range	360° (endless)
Pan Speed	0.1°/s to 240°/s
Tilt Range	-5° to 90° (auto flip)
Tilt Speed	0.1°/s to 120°/s
Number of Presets	1024
Route Patrol	16 patrols, up to 32 actions for each patrol
Recorded Patrol	16 patrols, up to 128 actions for each patrol
Preset Patrol	16 patrols, up to 64 presets for each patrol
Patrol Stay Time	15 s to 1800 s
Home Position	Support
Interface	
Audio I/O	1 Input: impedance 1 k Ω , amplitude 2.5 V [p-p], 1 Output: impedance 600 Ω , amplitude 2.5 V [p-p]
Alarm I/O	2/1
Serial Port	1*RS485
Network	1 $\times$ RJ45 10 M/100 M Base-TX Ethernet
Certification	
EMC	CE-EMC (EN 55032: 2015+A11:2020+A1: 2020, EN IEC 61000-3-2: 2019+A1: 2021, EN 61000-3-3: 2013+A1: 2019+A2:2021, EN 50130-4: 2011+A1:2014) 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) IK10 (IEC 62262:2002)
General	
Power	DC 12 V ($\pm 10\%$, 3A), PoE+ (IEEE 802.3at)
Power Consumption	Max. 23 W
Power Interface	$\varnothing 5.5$ mm coaxial power plug
Dimensions	$\varnothing 167$ mm $\times$ 181 mm ($\varnothing 6.6'' \times 7.1''$) ($\varnothing \times H$)
Weight	2.3 kg (5.07 lb.)
Working Environment	$-40^{\circ}\text{C} \sim 65^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 149^{\circ}\text{F}$), Humidity: $\leq 95\%$ RH (non-condensing)
Storage Environment	$-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 158^{\circ}\text{F}$), Humidity: $\leq 95\%$ RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support

Dimensions



Accessories

TR-FM180-IN

In-ceiling Bracket for Cover Dome

**TR-CE45-IN**

Dome Indoor Ceiling Mounting Bracket

**TR-SE45-IN**

Dome Ceiling Mounting Pole 200

**TR-SE45-A-IN**

Dome Ceiling Mounting Pole 500

**TR-UF45-L-IN**

Cover Dome Adapter

**TR-WE45-IN**

Dome Wall Mounting Bracket

**TR-WE45-B-IN**

Dome Gooseneck Bracket

**TR-JB12-IN**

Dome Junction Box

**TR-UP08-B-IN**

Aluminium Alloy Pole Mounting Bracket

**TR-UC08-B-IN**

Aluminium Alloy Corner Mounting Bracket

**TR-JB04-E-IN**

Cover Dome Junction Box

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