4MP 42X LightHunter Laser Wiper Network PTZ Camera

IPC6824EL-X42-W-VH1





Features

- 2688 × 1520@60 fps in the main stream
- 42X optical zoom
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- automatic selection of best snapshots, supports face detection masked area
- supports front-end , supports blocklist and allowlist comparison
- People counting, supports people flow counting and crowd density monitoring
- Multi-target detection, supports human body, motor vehicle and non-motor vehicle image capture and attribute collection, realizes data visualization management, allows users to get target information for further data analysis
- Supports optical defog, self-adaptive defog
- LightHunter technology ensures ultra-high image quality in low illumination environment
- Laser illumination: 500 m (1640 ft.) distance, proportional to optical zoom of camera module
- Gyroscope stabilization for stable picture
- Supports wiper
- Power supply: AC 24 V±25%, DC 24 V±25%, PoE
- Alarm I/O: 7/2, audio I/O: 1/1
- IP67 ingress protection

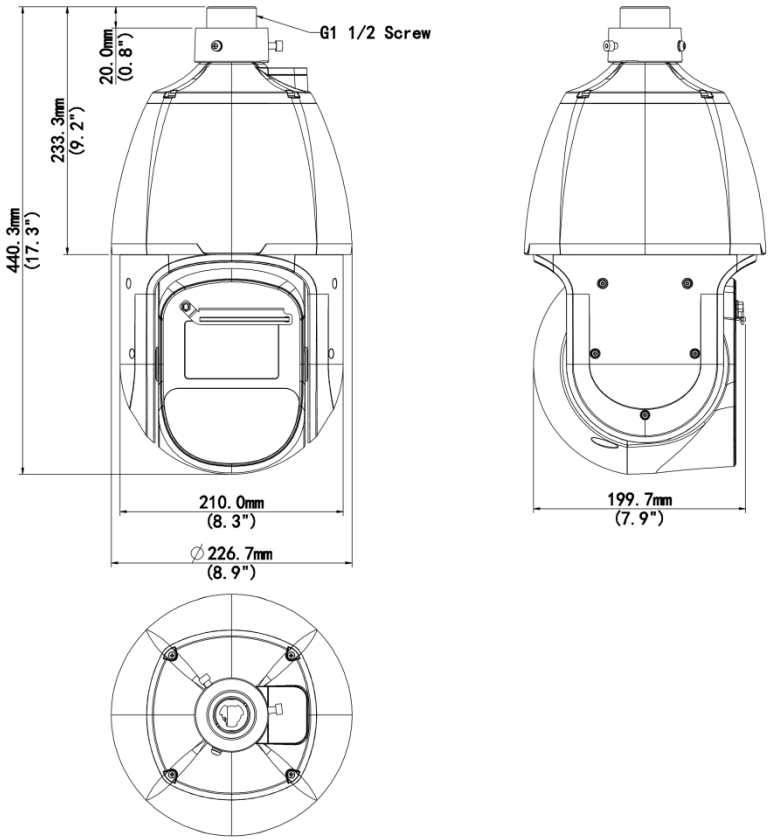
Specifications

Model	IPC6824EL-X42-W-VH1
Camera	
Sensor	1/1.8" CMOS
Min. Illumination	Color: 0.0003 Lux (F1.2, AGC ON), 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 to 1/100000 s
WDR	120 dB
S/N	>56 dB
Lens	
Focal Length	6.0~252mm
Optical Zoom	42X
Digital Zoom	16X
Iris	F1.2 to F4.6
Field of View (H)	59.47° to 2.20°
Field of View (V)	35.62° to 1.24°
Field of View (D)	73.15° to 2.60°
Iris Type	P-iris
DORI	
DORI Distance (Detect)	107.2 m to 3330.6 m (351.7 ft. to 10927.2 ft.)
DORI Distance (Observe)	42.9 m to 1332.2 m (140.7 ft. to 4370.9 ft.)
DORI Distance (Recognize)	21.4 m to 666.1 m (70.4 ft. to 2185.4 ft.)
DORI Distance (Identify)	10.7 m to 333.1 m (35.1 ft. to 1092.9 ft.)
Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 4 MP (2688 × 1520), max. 60 fps Sub Stream: 1080P (1920 × 1080), max. 60 fps Third Stream: D1 (720 × 576), max. 60 fps
Video Bit Rate	128 Kbps to 16 Mbps
U-code	Support
ROI	Support
Privacy Mask	24 areas, up to 8 areas per scene
Video Stream	Triple streams
OSD	Up to 10 OSDs
Events	
Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection, Object removed, Object Left Behind
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, Alarm input, Alarm output
Image	
EIS	Support
BLC	Support

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
Defog	Digital defog, Optical defog
Image Stabilization	EIS (Gyroscope)
Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16 kHz
Storage	
Edge Storage	MicroSD, up to 512 GB
Network Storage	ANR, NAS (NFS)
Intelligent	
Auto Tracking	Support, target filtering: human, non-motor vehicle and vehicle
Multi-target Detection	Support
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)
People Counting	Support people flow counting and crowd density detection
Exception Detection	Object removed, Object Left Behind
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 T, Profile M), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, TLS 1.3, 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+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+
PTZ	
Preset Patrol	16 patrols, up to 64 presets for each patrol
Route Patrol	16 patrols, up to 32 actions for each patrol
Recorded Patrol	16 patrols, up to 128 actions for each patrol
Patrol Stay Time	15 s to 1800 s
Preset Image Freeze	Support
Home Position	Support
Number of Presets	1024
Pan Range	360° (endless)
Tilt Range	-15° to 90° (auto flip)

Pan Speed	0.1°/s to 180°/s
Tilt Speed	0.1°/s to 180°/s
Illuminator	
Illuminator	Laser light, laser distance 500m
Wavelength	850 nm
IR On/Off Control	Auto/Manual
Interface	
Audio I/O	1 Input: impedance 1 kΩ, amplitude 2.5 V [p-p], 1 Output: impedance 600 Ω, amplitude 2.5 V [p-p]
Alarm I/O	7/2
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Serial Port	1 * RS485
Video Output	1 BNC (for debugging)
Certification	
Safety	CE LVD (EN IEC 62368-1: 2020+ A11: 2020)
EMC	CE-EMC (EN 55032: 2015+ A11: 2020; EN IEC 61000-3-2: 2019; EN 61000-3-3: 2013+ A: 2019; EN 55035: 2017+ A11: 2020)
Environment	CE-ROHS (2011/65/EU;(EU)2015/863)
Protection	IP67 (IEC 60529: 1989+AMD1: 1999+AMD2: 2013) ; IK10 (IEC 62262, Anti- Vandalism Except for the Front Window)
General	
Power	AC 24 V±25%, DC 24 V±25%, PoE (IEEE 802.3bt)
Power Consumption	Max. 67 W
Power Interface	Wires with cold-pressed terminal
Dimensions	Ø226.7 mm × 440.3 mm (Ø8.93" × 17.33") (Ø × H)
Weight	6.9 kg (15.21 lb.)
Storage Environment	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support
Working Environment	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Heater	Support
Configurable	
P/N	Support

Dimensions



Accessories

TR-UF45-A-IN	TR-SE45-A-IN	TR-UC08-B-IN
Dome Indoor Ceiling Mounting Pedestal	Dome Ceiling Mounting Pole 500(Elegant White)	Aluminium Alloy Corner Mounting Bracket
		
TR-UC08-A-IN	**TR-UP08-B-IN**	**TR-UP08-A-IN**
Dome Corner Mounting Bracket	Aluminium Alloy Pole Mounting Bracket	Dome Pole Mounting Bracket
		

TR-WE45-B-IN	TR-JB12-IN	TR-CE45-IN
Dome Gooseneck Bracket	PTZ Junction Box	Dome Indoor Ceiling Mounting Bracket
		
TR-WE45-A-IN	**TR-SE45-IN**	
Long Wall Mounting Bracket For Dome	Dome Ceiling Mounting Pole 200	
		

Unlimited New View

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