8MP 42X LightHunter Laser Wiper Network PTZ Camera

IPC6828EL-X42-W-VH1

Smart Intrusion Prevention | People Counting | Multi-target Detection | Auto tracking | 4K | Lighthunter | WDR | Patrol

IP 67 | POE | Gyroscope
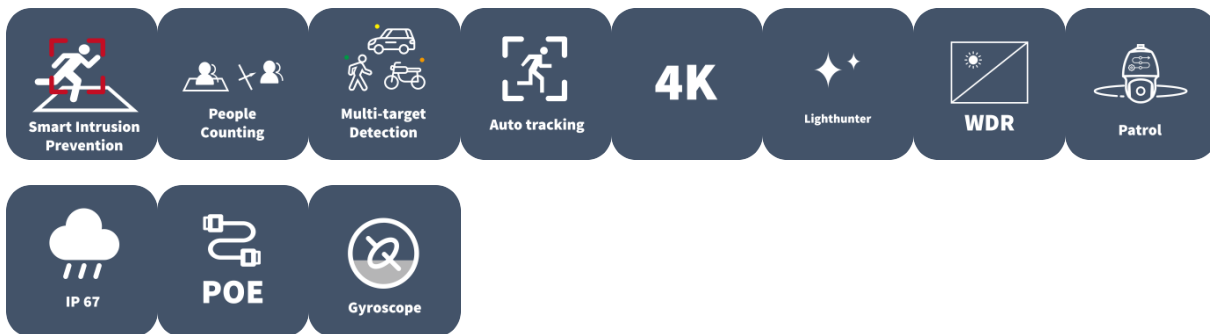
Features

- 3840 x 2160 @ 30 fps in the main stream

- 42X optical zoom

- Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection

- support front-end , support blocklist and allowlist comparison

- People counting, support people flow counting and crowd density monitoring

- Multi-target detection, support human body, motor vehicle and non-motor vehicle image capture and attribute collection, realize data visualization management, allow users to get target information for further data analysis

- Support optical defog, Self-adaptive defog

- Lighthunter technology ensures ultra-high image quality in low illumination environment

- IR illumination: 500 m (1640 ft) distance, proportional to optical zoom of camera module

- Gyroscope stabilization for stable picture

- Support wiper

- Power supply: AC24V ± 25%, DC24V ± 25%, PoE

- Alarm 7 in and 2 out, Audio 1 in and 1 out

- IP67 ingress protection

Specifications

Model	IPC6828EL-X42-W-VH1
Camera	
Sensor	1/1.8" CMOS
Min. Illumination	Colour: 0.0005 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
Digital Zoom	16X
Optical Zoom	42X
Iris	F1.2 to F4.6
Field of View (H)	57.96° ~ 2.15°
Field of View (V)	34.61° ~ 1.21°
Field of View (D)	71.30° ~ 2.54°
DORI	
DORI Distance (Detect)	107.2 m ~ 3330.6 m (351.8 ft ~ 10927.2 ft)
DORI Distance (Observe)	42.9 m ~ 1332.2 m (140.7 ft ~ 4370.9 ft)
DORI Distance (Recognize)	21.4 m ~ 666.1 m (70.4 ft ~ 2185.4 ft)
DORI Distance (Identify)	10.7 m ~ 333.1 m (35.2 ft ~ 1092.7 ft)
Illuminator	
Illumination Distance (IR)	500m
IR On/Off Control	Auto/Manual

Wavelength	850 nm
Image	
EIS	Support
Defog	Digital Defog, Optical 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
Image Stabilization	EIS (Gyroscope)
Video	
Privacy Mask	24 areas, up to 8 areas per scene
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 8MP (3840*2160), Max 30fps Sub Stream: 2MP (1920*1080), Max 30fps Third Stream: D1 (720*576), Max 30fps
Video Bit Rate	128 Kbps to 16 Mbps
U-code	Support
ROI	Support
Video Stream	Triple Streams
OSD	Up to 10 OSDs
Intelligent	
Auto Tracking	Support, target filtering: human, non-motor vehicle and vehicle
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)
Multi-target Detection	Support
People Counting	Support People Flow Counting and Crowd Density Monitoring
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

Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16 kHz
PTZ	
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 180°/s
Tilt Range	−15° ~ 90° (auto flip)
Tilt Speed	0.1°/s ~ 180°/s
Number of Presets	1024
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
Storage	
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR, NAS (NFS)
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, TLS1.3, 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+
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
Serial Port	1 * RS485
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Video Output	1 BNC (For debugging)
Certification	
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)
Safety	CE LVD (EN IEC 62368-1: 2020+ A11: 2020)
Environment	CE-ROHS (2011/65/EU;(EU)2015/863)
Protection	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013)
General	
Power	AC24V ± 25%, DC24V ± 25%, PoE (IEEE802.3bt)
Power Consumption	Max 67 W
Power Interface	Wires with cold-pressed terminal
Dimensions	Ø 226.7 x 440.3 mm (Ø 8.93" x 17.33") (Ø x H)
Weight	6.9 kg (15.21 lb)
Working Environment	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support

Dimensions
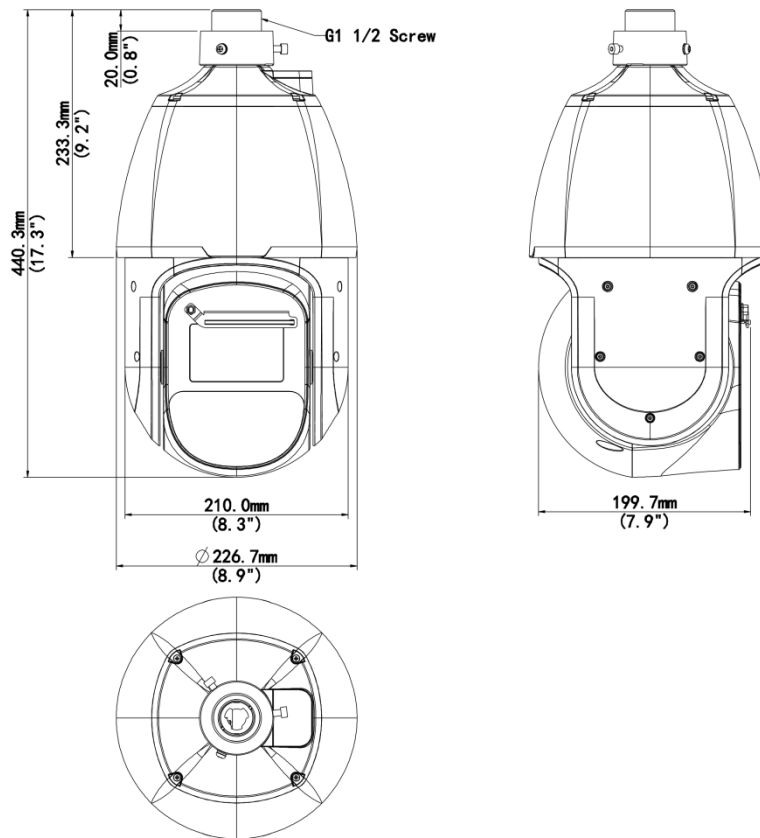
Accessories

TR-UF45-A-IN	TR-SE45-A-IN	TR-UC08-B-IN
Dome Indoor Ceiling Mounting Pedestal	Dome Ceiling Mounting Pole 500	Aluminium Alloy Corner Mounting Bracket

TR-UC08-A-IN

Dome Corner Mounting Bracket

TR-UP08-B-IN

Aluminium Alloy Pole Mounting Bracket

TR-UP08-A-IN

Dome Pole Mounting Bracket

TR-WE45-B-IN

Dome Gooseneck Bracket

TR-JB12-IN

Dome Junction Box

TR-WE45-A-IN

Long Wall Mounting Bracket for Dome

TR-CE45-IN

Dome Indoor Ceiling Mounting Bracket

TR-SE45-IN

Dome Ceiling Mounting Pole 200

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