

# 4MP 42X LightHunter Laser Wiper Network PTZ Camera

IPC6824EL-X42-W-VHM1



## Features

- 2688\*1520@60fps in the main stream
- 42X optical zoom
- Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection
- Face capture, automatic selection of best snapshots, support face detection masked area
- Face recognition, support front-end face recognition, support block list and allow list comparison
- People counting, Support people flow counting and crowd density monitoring
- Mix-traffic detection, support human body, human face, 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
- Vari-focal laser: 500m (1640ft) 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

Camera	Description
Sensor	1/1.8"CMOS, Progressive Scan
Type	Outdoor
Min. Illumination	Colour: 0.0003Lux (F1.2, AGC ON) 0Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
WDR	140dB
S/N	>56dB
Lens	Description
Lens type	6.0~252mm
Digital Zoom	16X
Optical Zoom	42X
Iris	F1.2 ~ F4.6
Field of View (H)	59.47° ~ 2.20°
Field of View (V)	35.62° ~ 1.24°
Field of View (D)	73.15° ~ 2.60°
DORI	Description
DORI Distance(Detect)	107.2m~3330.6m(351.8ft~10927.2ft)
DORI Distance(Observe)	42.9m~1332.2m(140.7ft~4370.9ft)
DORI Distance(Recognize)	21.4m~666.1m(70.4ft~2185.4ft)
DORI Distance(Identify)	10.7m~333.1m(35.2ft~1092.7ft)
Illuminator	Description
Illumination Distance(IR)	500m
IR On/Off Control	Auto/Manual
Wavelength	850nm
Video	Description
Video Compression	Ultra 265; H.265; H.264; MJPEG
Frame Rate	Main Stream: 4MP (2688*1520), Max 60fps Sub Stream: 2MP (1920*1080), Max 60fps Third Stream: D1 (720*576), Max 60fps
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support

ROI	Up to 8 areas
Video stream	Triple streams
OSD	Up to 10 OSDs
Privacy Mask	24 areas, up to 4 areas per scene
<b>Image</b>	<b>Description</b>
EIS	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
BLC	Support
Defog	Digital Defog; Optical Defog
<b>Intelligent</b>	<b>Description</b>
Smart intrusion prevention	Support false alarm filtering: Cross line detection, Intrusion detection, Enter area detection, Leave area detection
Face Capture	Support
People Counting	Support people flow counting and crowd density monitoring
Auto-Tracking	Support, target filtering: vehicle, non-vehicle, humanbody
Face Recognition	Support
Video Metadata	Support
<b>Events</b>	<b>Description</b>
Basic Detection	Motion detection; Audio detection; Tampering alarm
General Function	Watermark; IP Address Filtering; Access Policy; ARP Protection; RTSP Authentication; User Authentication; Alarm input; Alarm output
<b>Audio</b>	<b>Description</b>
Audio Compression	G.711U; G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHz
<b>Storage</b>	<b>Description</b>
Edge Storage	Micro SD, up to 256 GB
Network Storage	ANR; NAS(NFS)
<b>Network</b>	<b>Description</b>
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; 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; Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above
<b>Pan/Tilt</b>	<b>Description</b>
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 Speed	240°/s at pan, 100°/s at tilt
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	15s~1800s
Preset Image Freeze	Support
Home Position	Support
<b>Interface</b>	<b>Description</b>
Audio I/O	1/1
Alarm I/O	7/2
Serial Port	1 * RS485
Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	1 BNC
<b>Certification</b>	<b>Description</b>
EMC	CE-EMC (EN 55032:2015+A11:2020; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 55035:2017+A11:2020)
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	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)
<b>General</b>	<b>Description</b>
Power	AC24V ±25%, DC24V ±25%,PoE++(IEEE802.3 bt)
Power Consumption	60W
Power Interface	Wires with cold-pressed terminal
Dimensions	Ø 270 x 414mm(Ø 10.6" x 16.3")
Weight	TBD
Working Environment	-40 °C ~ 70 °C (-40 °F ~ 158 °F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-40 °C ~ 70 °C (-40 °F ~ 158 °F), Humidity: ≤95% RH (non-condensing)
Surge protection	6KV
Reset button	Support

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