

# 8MP 40X LightHunter IR Network PTZ Dome Camera

IPC6858ER-X40-VF



## Features

- High quality image with 8MP, 1/1.8" CMOS sensor
- 3840\*2160@30fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- 40X Optical Zoom
- Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection
- People Counting, support people flow counting and crowd density monitoring, suitable for different statistical scenarios
- Lighthunter technology ensures ultra-high image quality in low illumination environment
- Smart IR, up to 250m (820ft) IR distance
- AC 24V±25%, DC 24V±25%, PoE++(IEEE802.3 bt)
- Alarm 7 in and 2 out, Audio 1 in and 1 out
- IP66 ingress protection

## Specifications

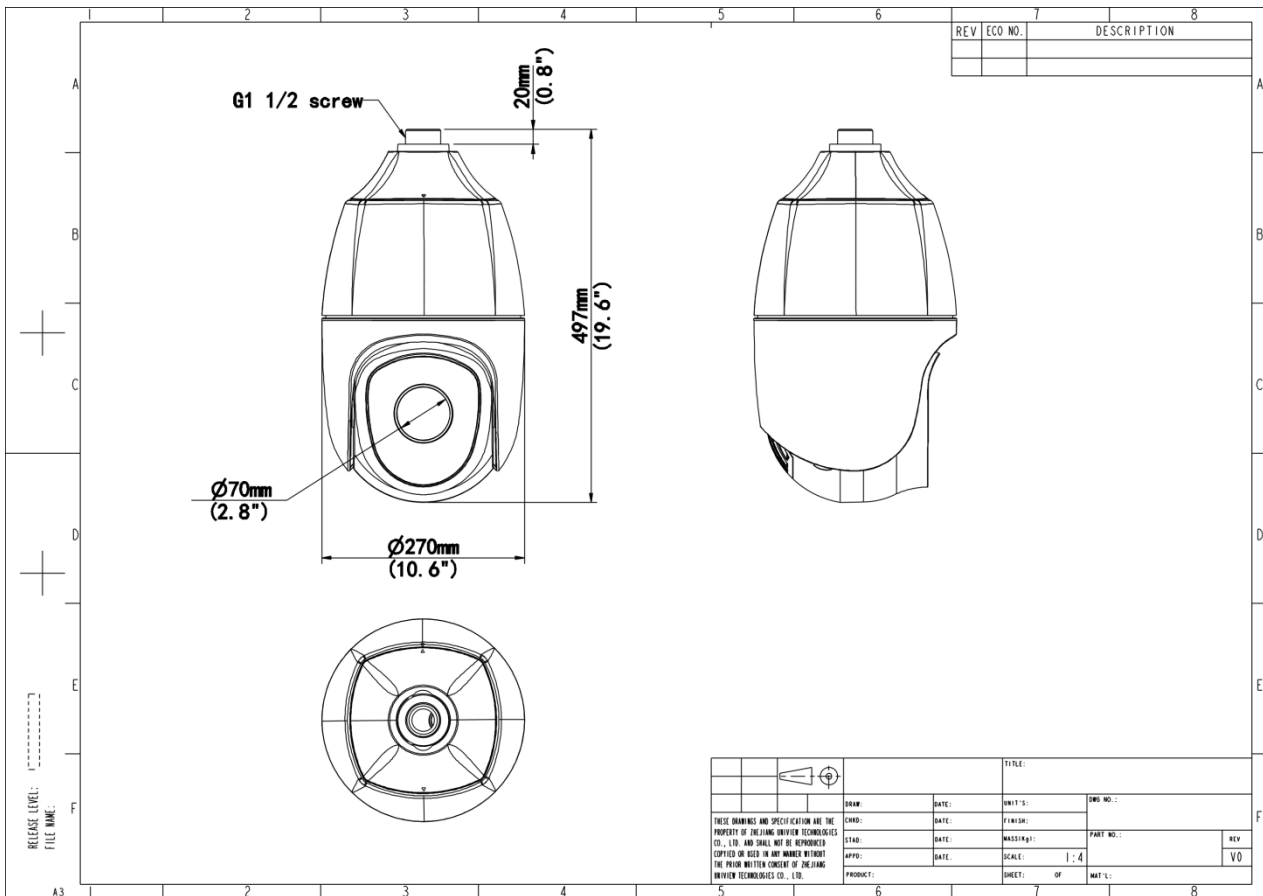
Model	IPC6858ER-X40-VF
<b>Camera</b>	
Sensor	1/1.8" CMOS
Min. Illumination	Colour: 0.003Lux (F1.2, AGC ON) 0Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 to 1/100000 s
WDR	DWDR
S/N	>56 dB
<b>Lens</b>	
Focal Length	5.7 to 228 mm
Optical Zoom	40X
Digital Zoom	16X
Iris	F1.2 to F4.6
Field of View (H)	57.95° ~ 2.14°
Field of View (V)	34.61° ~ 1.21°
Field of View (D)	71.28° ~ 2.5°
<b>DORI</b>	
DORI Distance (Lens)	5.7~228(mm)
DORI Distance (Detect)	155.5m~4829.4m(510.1ft~15844.5ft)
DORI Distance (Observe)	62.2m~1931.8m(204.0ft~6337.8ft)
DORI Distance (Recognize)	31.1m~965.9m(102.0ft~3168.9ft)
DORI Distance (Identify)	15.5m~482.9m(51.0ft~1584.4ft)
<b>Video</b>	
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 8MP(3840*2160), Max 30fps Sub Stream: 720P (1280*720), 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
Privacy Mask	24 areas, up to 4 areas per scene
OSD	Up to 10 OSDs
<b>Events</b>	
Basic Detection	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
<b>Audio</b>	
Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHZ
<b>Storage</b>	
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR, NAS (NFS)
<b>Network</b>	
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
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
Security	TLS1.3, 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+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+
<b>Intelligent</b>	
Exception Detection	Object Removed, Object Left Behind

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 Monitoring
<b>PTZ</b>	
Route Patrol	16 patrols, up to 32 actions for each patrol
Recorded Patrol	16 patrols, up to 128 actions for each patrol
Number of Presets	1024
Preset Image Freeze	Support
Preset Patrol	16 patrols, up to 64 presets for each patrol
Patrol Stay Time	15 s to 1800 s
Home Position	Support
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 180°/s
Tilt Range	-15° ~ 90° (auto reverse)
Tilt Speed	0.1°/s ~ 180°/s
<b>Image</b>	
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
Defog	Digital Defog, Optical Defog
EIS	Support
Heatwave Reduction	Support
Image Stabilization	EIS (Gyroscope)
<b>Interface</b>	
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]
WIFI	N/A
Alarm I/O	7/2

Serial Port	1 * RS485
Built-in Mic	N/A
Built-in Speaker	N/A
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Video Output	N/A
<b>Illuminator</b>	
Illumination Distance (IR)	250m
IR On/Off Control	Auto/Manual
Wavelength	850 nm
<b>Certification</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) 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 60529:2001)
<b>General</b>	
Power	AC24V ±25%, DC24V±25%, PoE++(IEEE 802.3bt)
Power Consumption	Max 61W
Power Interface	Wires with cold-pressed terminal
Dimensions	Ø 270 x 497mm (Ø 10.6" x 19.6") (Ø x H)
Weight	9.69kg(21.36lb)
Working Environment	-40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support
Web Client Language	22 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese, Arabic, Slovak
Heater	Support

## Dimensions



## Accessories

TR-UF45-A-IN

Dome Indoor Ceiling Mounting Pedestal



TR-SE45-A-IN

Dome Ceiling Mounting Pole 500



TR-SE45-IN

Dome Ceiling Mounting Pole 200



TR-CE45-IN

Dome Indoor Ceiling Mounting Bracket



TR-WE45-A-IN

Long Wall Mounting Bracket for Dome



TR-WE45-B-IN

Dome Gooseneck Bracket



TR-JB12-IN

Dome Junction Box



TR-UP08-A-IN

Dome Pole Mounting Bracket



TR-UP08-B-IN

Aluminium Alloy Pole Mounting Bracket



TR-UC08-A-IN

Dome Corner Mounting Bracket



TR-UC08-B-IN

Aluminium Alloy Corner Mounting Bracket



**Zhejiang Uniview Technologies Co., Ltd.**

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

Email: [overseasbusiness@uniview.com](mailto:overseasbusiness@uniview.com); [globalsupport@uniview.com](mailto:globalsupport@uniview.com)

<http://www.uniview.com>

©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

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

\*Despite our best efforts, technical or typographical errors may exist in this document. Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.