UNV

DATASHEET

4MP 40X LightHunter IR Network Camera

IPC6854ER-X40G-VF

Smart Intrusion Prevention	People Counting	Lighthunter	Edge Storage	Serial connection of optical and electrical interfaces	Patrol	IP 66

Features

- High quality image with 4MP,1/1.8" CMOS sensor

- 2688*1520@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

- Support SFP optical interface, support serial connection of optical and electrical interface

- AC 24V ±25%, DC 24V±25%

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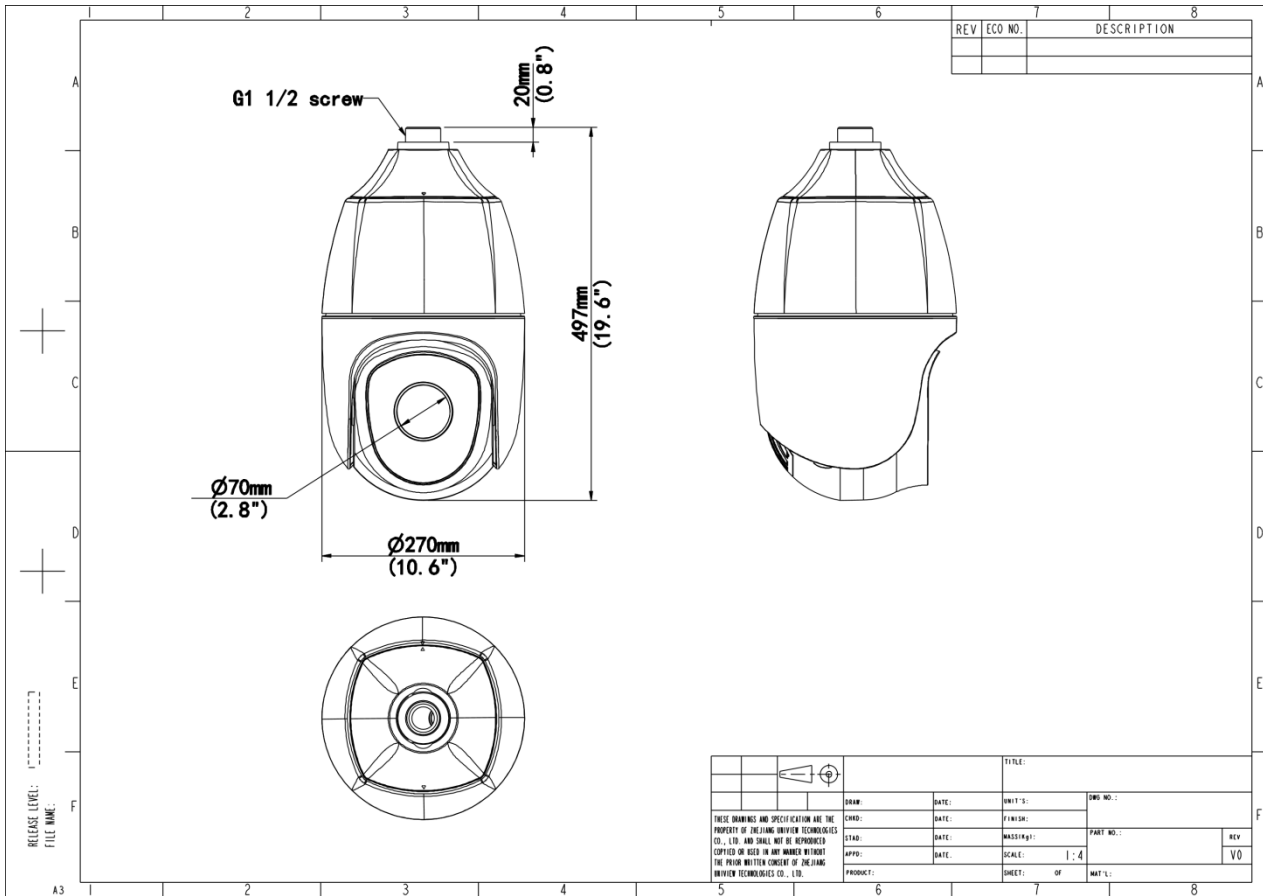
Specifications

Model	IPC6854ER-X40G-VF

Camera	
Sensor	1/1.8" CMOS
Min. Illumination	Colour: 0.0005Lux (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	120 dB
S/N	>56 dB

Lens	
Focal Length	5.7 to 228 mm
Digital Zoom	16X
Optical Zoom	40X
Iris	F1.2 to F4.6
Field of View (H)	59.5° ~ 2.2°
Field of View (V)	35.6° ~ 1.2°
Field of View (D)	73.15° ~ 2.60°

DORI	
DORI Distance (Lens)	5.7~228(mm)
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	
Illumination Distance (IR)	250m
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

Smart IR	Support
Flip	Normal, Flip Vertical, Flip Horizontal, 180°
HLC	Support
BLC	Support
Heatwave Reduction	Support
Image Stabilization	EIS (Gyroscope)

Video	
Privacy Mask	24 areas, up to 4 areas per scene
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 4MP (2688*1520), 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	
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

Events	
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

Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	128 Kbps
Two-way Audio	Support
Suppression	Support

Sampling Rate	16KHZ
PTZ	
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 180°/s
Tilt Range	−15° ~ 90° (auto reverse)
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	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+
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

Built-in Mic	N/A
Built-in Speaker	N/A
WIFI	N/A
Network	1 × RJ45 10 M/100 M Base-TX Ethernet + 1 × 100 M/1000 M Base-FX SFP
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+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	IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013)
General	
Power	AC 24V ±25%, DC 24V±25%
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	9.5kg(20.9lb)
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
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

Dimensions

Accessories

TR-UF45-A-IN	TR-SE45-A-IN	TR-SE45-IN
Dome Indoor Ceiling Mounting Pedestal	Dome Ceiling Mounting Pole 500	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