

# 4MP 40X LightHunter IR Network Camera

IPC6854ER-X40G-VF



## 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)<br>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  |
| Optical Zoom              | 40X  |
| Digital Zoom              | 16X  |
| 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)  |
| Video                     |  |
| Video Compression         | Ultra 265, H.265, H.264, MJPEG   |
| Frame Rate                | Main Stream: 4MP (2688*1520), Max 30fps<br>Sub Stream: 2MP (1920*1080), Max 30fps<br>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  |

**PTZ**

|                     |   |
|---------------------|---|
| 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                               |

**Image**

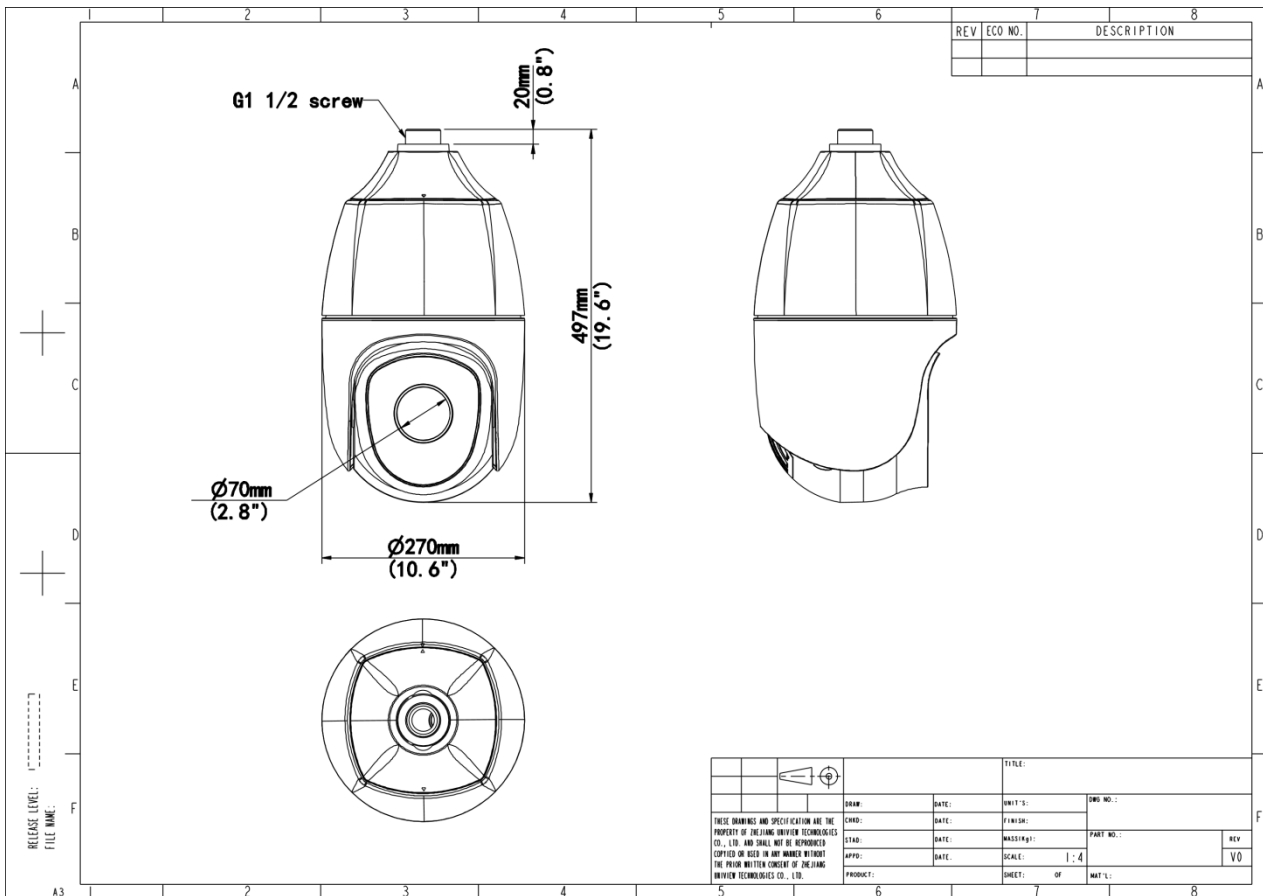
|                         |  |
|-------------------------|--|
| White Balance           | Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2 |
| Digital Noise Reduction | 2D/3D DNR  |
| Flip                    | Normal, Flip Vertical, Flip Horizontal, 180°         |
| HLC                     | Support  |
| BLC                     | Support  |
| Smart IR                | Support  |
| Defog                   | Digital Defog, Optical Defog                         |
| EIS                     | Support  |
| Heatwave Reduction      | Support  |
| Image Stabilization     | EIS (Gyroscope)                                      |

**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] |
| 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 + 1 × 100 M/1000 M Base-FX SFP   |
| Video Output               | 1 BNC (For debugging)   |
| <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)   |
| Safety                     | CE LVD (EN 62368-1:2014+A11:2017)<br>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)   |
| <b>General</b>             |   |
| 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 °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



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