

4MP 40X LightHunter IR Network Camera IPC6854ER-X40G-VF



Features

- High quality image with 4 MP, 1/1.8" CMOS sensor
- 2688 × 1520@30 fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- 40X optical zoom
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- automatic selection of best snapshots, supports face detection masked area
- People counting, supports 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 250 m (820.2 ft) IR distance
- Supports SFP optical interface, supports serial connection of optical and electrical interface
- AC 24 V±25%, DC 24 V±25%
- Alarm I/O: 7/2, audio I/O: 1/1

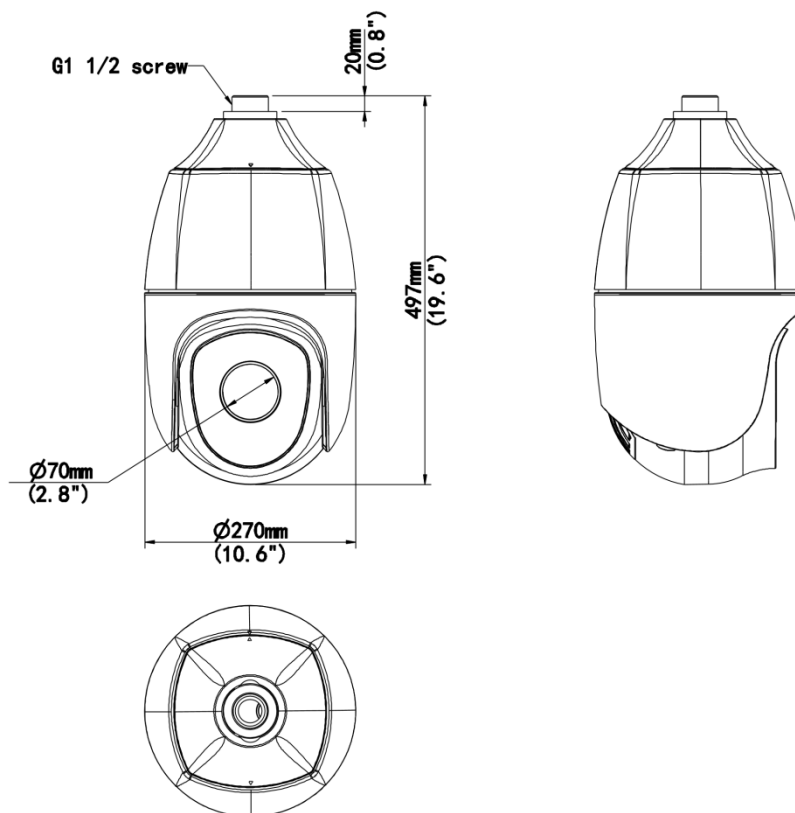
Specifications

| Model | IPC6854ER-X40G-VF |
|---------------------------|---|
| Camera | |
| Sensor | 1/1.8" CMOS |
| Min. Illumination | Color: 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 | 5.7 to 228 mm |
| Optical Zoom | 40X |
| Digital Zoom | 16X |
| Iris | F1.2 to F4.6 |
| Field of View (H) | 59.5° to 2.2° |
| Field of View (V) | 35.6° to 1.2° |
| Field of View (D) | 73.15° to 2.60° |
| DORI | |
| DORI Distance (Lens) | 5.7 to 228 mm |
| DORI Distance (Detect) | 107.2 m to 3330.6 m (351.7 ft. to 10927.2 ft.) |
| DORI Distance (Observe) | 42.9 m to 1332.2 m (140.7 ft. to 4370.9 ft.) |
| DORI Distance (Recognize) | 21.4 m to 666.1 m (70.4 ft. to 2185.4 ft.) |
| DORI Distance (Identify) | 10.7 m to 333.1 m (35.1 ft. to 1092.9 ft.) |
| Video | |
| Video Compression | Ultra 265, H.265, H.264, MJPEG |
| Frame Rate | Main Stream: 4 MP (2688 × 1520), max. 30 fps Sub Stream: 1080P (1920 × 1080), max. 30 fps Third Stream: D1 (720 × 576), max. 30 fps |
| 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 |
| 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 |
| Storage | |
| Edge Storage | MicroSD, up to 512 GB |
| Network Storage | ANR, NAS (NFS) |
| Network | |
| 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 | TLS 1.3, 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+ |
| 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 |
| 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 to 180°/s |
| Tilt Range | -15° to 90° (auto reverse) |
| Tilt Speed | 0.1°/s to 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) |
| Illuminator | |
| Illumination Distance (IR) | 250m |
| IR On/Off Control | Auto/Manual |
| Wavelength | 850 nm |
| 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 24 V±25%, DC 24 V±25% |
| Power Consumption | Max. 61 W |
| Power Interface | Wires with cold-pressed terminal |
| Dimensions | Ø270 mm × 497 mm (Ø 10.6" × 19.6") (Ø × H) |
| Weight | 9.5 kg (20.9 lb.) |
| 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 |
| Configurable | |
| P/N | 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.



<http://www.uniview.com>



overseasbusiness@uniview.com; globalsupport@uniview.com



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



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