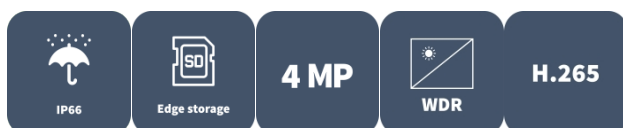


IPC98544EFW-X42-X25-W-VH

IPC98544EFW-X42-X25-W-VH



## Features

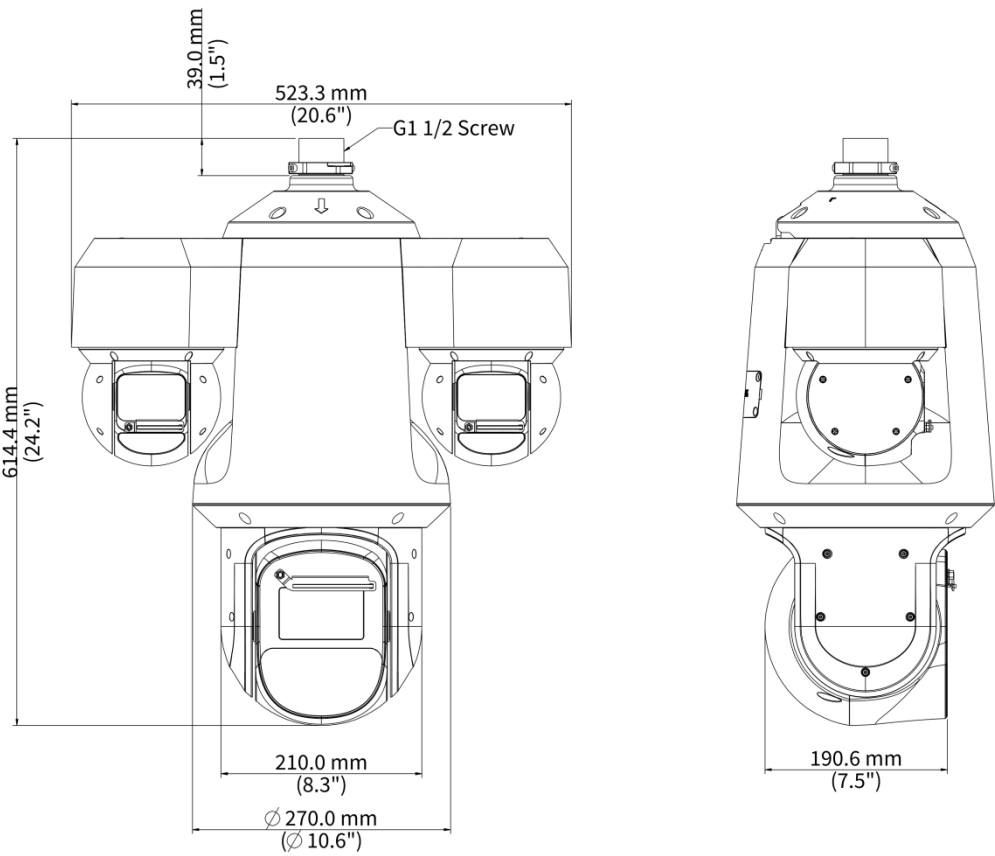
- Supports single IP triple-channel, simultaneously preview dual panoramic and detailed live views, balances panoramic monitoring and detailed capturing; independent capturing on all three channels, meets the need for multi-purpose usage in a single device
- Supports triple-channel wiper, ensuring image clarity at all times
- Three-camera high-zoom field of view, 25x panoramic coverage, 42x detail capturing, seamless target tracking with no blind spots, and comprehensive control of scene information
- Supports picture-in-picture and four-split-screen display modes, freely arranges panoramic and detailed live views, and provides easier access to target details
- Supports gyroscope optical image stabilization, effectively reduces screen shake, ensuring stable and clear images
- Supports intelligent infrared technology that adjusts infrared brightness in real time according to image brightness, preventing overexposure in close-up scenes
- Optical fog penetration, the camera can automatically adjust fog penetration levels based on the severity of fog or haze
- The device supports GPS, enabling automatic collection of longitude and latitude information and eliminating the need for manual camera position calibration
- The device is equipped with a high-precision encoder capable of achieving 0.04° accuracy, ensuring smooth camera stabilizer movement and supporting automatic correction

## Specifications

| Channel                   | Channel 1 (Panorama)                                                                                                                      | Channel 2 (Panorama)                         | Channel 3 (Detail)                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------|
| Camera                    |                                                                                                                                           |                                              |                                                  |
| Sensor                    | 1/1.8" CMOS                                                                                                                               |                                              |                                                  |
| Min. Illumination         | Color: 0.0005lux (F1.5, AGC ON)<br>IR: 0.0001lux (F1.5, AGC ON)                                                                           |                                              |                                                  |
| Max Resolution            | 4 MP                                                                                                                                      |                                              |                                                  |
| WDR                       | 120 dB                                                                                                                                    |                                              |                                                  |
| Lens                      |                                                                                                                                           |                                              |                                                  |
| Focal Length              | 6 to 150 mm                                                                                                                               | 6 to 150 mm                                  | 6 to 252 mm                                      |
| Field of View (V)         | 36.4° to 1.85°                                                                                                                            | 36.4° to 1.85°                               | 35.62° to 1.23°                                  |
| Field of View (H)         | 60.62° to 3.29°                                                                                                                           | 60.62° to 3.29°                              | 59.47° to 2.2°                                   |
| Optical Zoom              | 25X                                                                                                                                       | 25X                                          | 42X                                              |
| DORI                      |                                                                                                                                           |                                              |                                                  |
| DORI Distance (Lens)      | 6 ~ 150 mm                                                                                                                                | 6 ~ 150 mm                                   | 6 ~ 252 mm                                       |
| DORI Distance (Detect)    | 93.1 m to 2327.6 m (305.5 ft. to 7636.4 ft.)                                                                                              | 93.1 m to 2327.6 m (305.5 ft. to 7636.4 ft.) | 88.4 m to 3724.1 m (290.2 ft. to 12218.3 ft.)    |
| DORI Distance (Observe)   | 37.2 m to 931 m (122.2 ft. to 3054.6 ft.)                                                                                                 | 37.2 m to 931 m (122.2 ft. to 3054.6 ft.)    | 35.4 m to 1489.7 m (116.1 ft. to 4887.3 ft.)     |
| DORI Distance (Recognize) | 18.6 m to 465.5 m (61.1 ft. to 1527.3 ft.)                                                                                                | 18.6 m to 465.5 m (61.1 ft. to 1527.3 ft.)   | 17.7 m to 744.8 m (58 ft. to 2443.7 ft.)         |
| DORI Distance (Identify)  | 9.3 m to 232.8 m (30.5 ft. to 763.6 ft.)                                                                                                  | 9.3 m to 232.8 m (30.5 ft. to 763.6 ft.)     | 8.8 m to 372.4 m (29 ft. to 1221.8 ft.)          |
| Illuminator               |                                                                                                                                           |                                              |                                                  |
| Light On/Off Control      | Auto/Manual                                                                                                                               |                                              |                                                  |
| Illumination Distance     | IR : 150m (492.13 ft.)                                                                                                                    | IR : 150m (492.13 ft.)                       | WH : 80m (262.47 ft.)<br>IR : 500m (1640.42 ft.) |
| Video                     |                                                                                                                                           |                                              |                                                  |
| U-code                    | Support                                                                                                                                   |                                              |                                                  |
| ROI                       | Up to 8 areas                                                                                                                             |                                              |                                                  |
| Video Bit Rate            | 128 Kbps to 16 Mbps                                                                                                                       |                                              |                                                  |
| Video Compression         | H.265, H.264, MJPEG                                                                                                                       |                                              |                                                  |
| Frame Rate                | Main Stream: 4 MP (2688 × 1520), max. 30 fps<br>Sub Stream: 1080P (1920 × 1080), max. 30 fps<br>Third Stream: D1 (720 × 576), max. 30 fps |                                              |                                                  |
| OSD                       | Up to 10 OSDs                                                                                                                             |                                              |                                                  |
| Audio                     |                                                                                                                                           |                                              |                                                  |
| Audio Compression         | G.711A, G.711U                                                                                                                            | G.711U, G.711A                               | G.711U, G.711A                                   |
| Sampling Rate             | 8 kHz, 16 kHz                                                                                                                             |                                              |                                                  |
| Storage                   |                                                                                                                                           |                                              |                                                  |
| Edge Storage              | MicroSD, up to 512 GB                                                                                                                     |                                              |                                                  |
| Network                   |                                                                                                                                           |                                              |                                                  |

|                         |                                                                                                                                                                                                                            |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols               | IGMP, SMTP, IPv6, ICMP, ARP, TCP, UDP, DHCP, RTSP, DNS, DDNS, NTP, UPnP, HTTP, 802.1x, SNMP, SSL/TLS, SSH, IPv4, RTP, RTCP, RTMP, HTTPS, FTP, QoS                                                                          | IGMP, SMTP, IPv6, ICMP, ARP, TCP, UDP, DHCP, RTSP, DNS, DDNS, UPnP, NTP, HTTP, 802.1x, SNMP, QoS, SSL/TLS, SSH, RTCP, IPv4, RTP, RTMP, HTTPS, FTP                                                                   | IGMP, SMTP, IPv6, ICMP, ARP, TCP, UDP, DHCP, RTSP, DNS, DDNS, NTP, UPnP, HTTP, 802.1x, SNMP, QoS, SSL/TLS, SSH, IPv4, RTP, RTCP, RTMP, FTP, HTTPS                                                                                   |
| Compatible Integration  | ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK                                                                                                                                                               | SDK, API, ONVIF (Profile S, Profile G, Profile T, Profile M)                                                                                                                                                        | SDK, API, ONVIF (Profile S, Profile G, Profile T, Profile M)                                                                                                                                                                        |
| Security                | TLS 1.3, Password protection, Strong Password, HTTPS encryption, Export operation logs, Basic and Digest Authentication for RTSP, TLS 1.2, Digest SHA256 Authentication for HTTP, WSSE and Digest Authentication for ONVIF | TLS 1.3, Password protection, Strong Password, HTTPS encryption, Export operation logs, TLS 1.2, Digest Authentication for HTTP, WSSE and Digest Authentication for ONVIF, Basic and Digest Authentication for RTSP | TLS 1.2, TLS 1.3, Password protection, HTTPS encryption, Basic and Digest Authentication for RTSP, WSSE and Digest Authentication for ONVIF, Digest Authentication for HTTP, Digest SHA256 Authentication for HTTP, Strong Password |
| Web Browser             | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+                                                                                                                                                      |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| User/Host               | Up to 32 users. 3 user levels: administrator, common user and operator                                                                                                                                                     |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| PTZ                     |                                                                                                                                                                                                                            |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Pan Range               | -10° ~ 190°                                                                                                                                                                                                                | -10° ~ 190°                                                                                                                                                                                                         | 360°                                                                                                                                                                                                                                |
| Pan Speed               | 0.1°/s ~ 80°/s                                                                                                                                                                                                             | 0.1°/s ~ 80°/s                                                                                                                                                                                                      | 0.1°/s ~ 180°/s                                                                                                                                                                                                                     |
| Tilt Range              | -9° ~ 90°                                                                                                                                                                                                                  | -9° ~ 90°                                                                                                                                                                                                           | -15° ~ 90°                                                                                                                                                                                                                          |
| Tilt Speed              | 0.1°/s ~ 80°/s                                                                                                                                                                                                             | 0.1°/s ~ 80°/s                                                                                                                                                                                                      | 0.1°/s ~ 180°/s                                                                                                                                                                                                                     |
| Number of Presets (IPC) | 1024                                                                                                                                                                                                                       |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Live View               |                                                                                                                                                                                                                            |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Maximum Bitstream       | 35                                                                                                                                                                                                                         |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Maximum Bandwidth       | 50 Mbps                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| General                 |                                                                                                                                                                                                                            |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Power                   | DC48V±25%                                                                                                                                                                                                                  |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Power Consumption       | Max. 88 W                                                                                                                                                                                                                  |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Dimensions              | 523mm*270mm*630mm                                                                                                                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Weight                  | 14.41Kg                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| 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                                                                                                                                                                                                                       |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Interface               |                                                                                                                                                                                                                            |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Audio I/O               | 1 Input: impedance 35 kΩ, amplitude 2 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p]                                                                                                                              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Alarm I/O               | 7/2                                                                                                                                                                                                                        |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Serial Port             | 1 × RS485                                                                                                                                                                                                                  |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| Network                 | 1 × RJ45 10 M/100 M/1000 M Base-TX Ethernet                                                                                                                                                                                |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |

# Dimensions



# Accessories

| TR-WE45-S-IN                                   | TR-CE45-S-IN                                         | TR-UP08M-A-IN                                     |
|------------------------------------------------|------------------------------------------------------|---------------------------------------------------|
| Tiangong Integrated Machine Wall Mount Bracket | Tiangong Integrated Machine Pendant Mounting Bracket | Tiangong Integrated Machine Pole Mounting Bracket |
|                                                |                                                      |                                                   |

# Unlimited New View

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