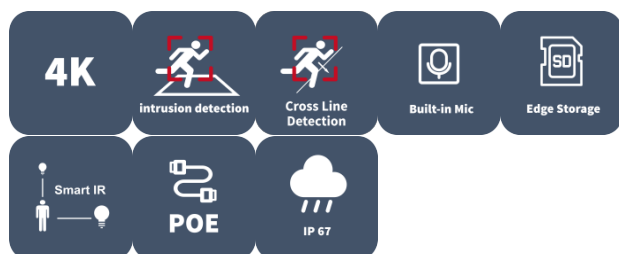


## 8MP HD Fixed Eyeball Network Camera EC-T8F28M



## Features

- High quality image with 8 MP, 1/2.7" CMOS sensor
- 8 MP (3840 × 2160)@15 fps; 5 MP (2880 × 1620)@25/20 fps; 4 MP (2560 × 1440)@25/20 fps; 3 MP (2304 × 1296)@30/25 fps; 1080P (1920 × 1080)@30/25 fps
- H.265, H.264, MJPEG
- Built-in mic
- Smart IR, up to 30 m (98.4 ft.) IR distance
- MicroSD, up to 512 GB
- IP67 protection
- Supports PoE power supply
- 3-axis

## Specifications

| Model             | EC-T8F28M                                        |
|-------------------|--------------------------------------------------|
| Camera            |                                                  |
| Max Resolution    | 8 MP                                             |
| Sensor            | 1/2.7" CMOS                                      |
| Min. Illumination | Color: 0.01 Lux (F1.6, AGC ON), 0 Lux with IR on |
| Day/Night         | IR-cut filter with auto switch (ICR)             |

|                            |                                                                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shutter                    | Auto/Manual, 1 ~ 1/100000s                                                                                                                                                                                                                                        |
| Adjustment Angle           | Pan: 0° to 360°, Tilt: 0° to 75°, Rotate: 0° to 360°                                                                                                                                                                                                              |
| S/N                        | >52 dB                                                                                                                                                                                                                                                            |
| WDR                        | 120 dB                                                                                                                                                                                                                                                            |
| Lens                       |                                                                                                                                                                                                                                                                   |
| Focal Length               | 2.8 mm                                                                                                                                                                                                                                                            |
| Iris Type                  | Fixed                                                                                                                                                                                                                                                             |
| Iris                       | F1.6                                                                                                                                                                                                                                                              |
| Field of View (H)          | 107.0°                                                                                                                                                                                                                                                            |
| Field of View (V)          | 59.7°                                                                                                                                                                                                                                                             |
| Field of View (D)          | 111.5°                                                                                                                                                                                                                                                            |
| DORI                       |                                                                                                                                                                                                                                                                   |
| DORI Distance (Lens)       | 2.8 mm                                                                                                                                                                                                                                                            |
| DORI Distance (Detect)     | 63.0 m (206.7 ft.)                                                                                                                                                                                                                                                |
| DORI Distance (Observe)    | 25.2 m (82.7 ft.)                                                                                                                                                                                                                                                 |
| DORI Distance (Recognize)  | 12.6 m (41.3 ft.)                                                                                                                                                                                                                                                 |
| DORI Distance (Identify)   | 6.3 m (20.7 ft.)                                                                                                                                                                                                                                                  |
| Illuminator                |                                                                                                                                                                                                                                                                   |
| Illumination Distance (IR) | 30 m (98.4 ft.)                                                                                                                                                                                                                                                   |
| Wavelength                 | 850 nm                                                                                                                                                                                                                                                            |
| IR On/Off Control          | Auto/Manual                                                                                                                                                                                                                                                       |
| Video                      |                                                                                                                                                                                                                                                                   |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                                                                    |
| H.264 Code Profile         | Baseline profile, Main profile, High profile                                                                                                                                                                                                                      |
| Frame Rate                 | Main Stream: 8 MP (3840 × 2160) @15 fps; 5 MP (2880 × 1620)@25/20 fps; 4 MP (2560 × 1440)@25/20 fps; 3 MP (2304 × 1296)@30/25 fps; 1080P (1920 × 1080)@30/25 fps<br>Sub Stream: 720P (1280 × 720)@30/25 fps; D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; |
| Video Bit Rate             | 128 Kbps to 16 Mbps                                                                                                                                                                                                                                               |
| U-code                     | Support                                                                                                                                                                                                                                                           |
| OSD                        | Up to 4 OSDs                                                                                                                                                                                                                                                      |
| Privacy Mask               | Up to 4 areas                                                                                                                                                                                                                                                     |
| ROI                        | Up to 8 areas                                                                                                                                                                                                                                                     |
| Video Stream               | Dual streams                                                                                                                                                                                                                                                      |
| Image                      |                                                                                                                                                                                                                                                                   |
| 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°, 90° Clockwise, 90° Anti-clockwise                                                                                                                                                                                   |
| Dewarping                  | N/A                                                                                                                                                                                                                                                               |
| HLC                        | Support                                                                                                                                                                                                                                                           |
| BLC                        | Support                                                                                                                                                                                                                                                           |
| Defog                      | Digital defog                                                                                                                                                                                                                                                     |
| Events                     |                                                                                                                                                                                                                                                                   |

|                        |                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Detection        | Motion detection, Tampering alarm, Audio detection, Cross line (based on human body detection), Intrusion (based on human body detection)                                                                  |
| General Function       | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication                                                                              |
| <b>Audio</b>           |                                                                                                                                                                                                            |
| Audio Compression      | G.711U, G.711A                                                                                                                                                                                             |
| Audio Bitrate          | 64 Kbps                                                                                                                                                                                                    |
| Two-way Audio          | N/A                                                                                                                                                                                                        |
| Suppression            | Support                                                                                                                                                                                                    |
| Sampling Rate          | 8 kHz                                                                                                                                                                                                      |
| <b>Storage</b>         |                                                                                                                                                                                                            |
| Edge Storage           | MicroSD, up to 512 GB                                                                                                                                                                                      |
| Network Storage        | ANR, NAS (NFS)                                                                                                                                                                                             |
| <b>Network</b>         |                                                                                                                                                                                                            |
| Protocols              | IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, 802.1x, SNMP, PPPoE                                                             |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API, SDK                                                                                                                                                          |
| User/Host              | Up to 32 users. 3 user levels: administrator, common user and operator                                                                                                                                     |
| Security               | 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                 | UNV-Link, UNV-Link Pro, EZStation                                                                                                                                                                          |
| 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>Interface</b>       |                                                                                                                                                                                                            |
| Audio I/O              | N/A                                                                                                                                                                                                        |
| Alarm I/O              | N/A                                                                                                                                                                                                        |
| Serial Port            | N/A                                                                                                                                                                                                        |
| Built-in Mic           | Support                                                                                                                                                                                                    |
| Built-in Speaker       | N/A                                                                                                                                                                                                        |
| WIFI                   | N/A                                                                                                                                                                                                        |
| Network                | 1 × RJ45 10 M/100 M Base-TX Ethernet                                                                                                                                                                       |
| Video Output           | N/A                                                                                                                                                                                                        |
| <b>Certification</b>   |                                                                                                                                                                                                            |
| EMC                    | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035)<br>FCC (FCC 47 CFR part15 B)                                                                                                                   |
| Safety                 | CE LVD (EN 62368-1)<br>CB (IEC 62368-1)UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)                                                                                                                      |
| Environment            | CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU);                                                                                                                                                      |
| Protection             | IP67 (IEC 60529)                                                                                                                                                                                           |
| <b>General</b>         |                                                                                                                                                                                                            |
| Power                  | DC 12 V±25%, PoE (IEEE 802.3af)<br>Power consumption: Max. 4.0 W                                                                                                                                           |

|                     |                                                                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Interface     | Ø5.5 mm coaxial power plug                                                                                                                       |
| Dimensions          | Ø126 mm × 94 mm (Ø5.0" × 3.7") (Ø × H)                                                                                                           |
| Weight              | 0.29 kg (0.63 lb.)                                                                                                                               |
| Material            | Metal + Plastic                                                                                                                                  |
| Working Environment | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)                                                                          |
| Storage Environment | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)                                                                          |
| Surge Protection    | 4 KV                                                                                                                                             |
| Reset Button        | N/A                                                                                                                                              |
| Web Client Language | 13 Languages: English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese, Spanish, Spanish (Europe), Italian |

## Accessories

### TR-JB03-H-IN

Junction Box for Metal Turret  
Camera(Support wiring from behind)



### TR-UP06-IN

Universal Pole Mounting Bracket



### TR-SE24-A-IN

Dome Pendent Mounting Pole 500mm



### TR-JB07/WM03-F-IN

Wall Mounting Assembling Bracket with  
Back Hole for 3 Inch Hemisphere



### TR-A01-IN

NPT 3/4" Waterproof Cable Gland



### TR-CM24-IN

Dome Pendent Mounting Bracket(Indoor)



### TR-WM03-B-IN

Wall Mounting Assembling Bracket for 3  
Inch Hemisphere



### TR-SE24-IN

Dome Pendent Mounting Pole 200mm



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