# EC-T4F28M-DL

4MP Fixed Dual-Light Turret Network Camera *by Uniview*

The EC-T4F28M-DL is a simple, dependable 4MP turret with two kinds of lighting built in: an infrared LED for a discreet black & white picture, and a warm white LED for a full-colour picture.

It's a basic model. It records on motion and supports Ultra Motion Detection, but it does not do line-crossing or intrusion detection. If you need those, look at a camera with smart detection.

This camera ships in the Uniview UNV-KIT-301 Dual Light kits and is also available to purchase individually.




*EC-T4F28M-DL, white*

## Key Features

- 4MP (2560 × 1440) at up to 25 fps
- 2.8 mm fixed lens, 97° horizontal view
- Smart dual light: IR and warm light, each up to 30 m (98 ft)
- Day/night with IR-cut filter (ICR)
- Motion detection and Ultra Motion Detection
- Built-in microphone
- Ultra 265, H.265, H.264, MJPEG
- 2D/3D digital noise reduction, DWDR
- ROI (Region of Interest)
- microSD slot, up to 128 GB
- PoE (802.3af) or 12 V DC, max 2.8 W
- IP67, –30 °C to +60 °C (–22 °F to 140 °F)

## Three Illumination Modes

**Dual Light** (default)

At night the IR LED gives a black & white picture. When Ultra Motion Detection triggers, the white LED turns on and the picture switches to colour.

**Infrared**

The IR LED turns on in the dark for a black & white picture. The light is almost invisible, so the camera draws little attention.

**White Light**

The white LED turns on in the dark for a full-colour picture. The light is visible to anyone in the area.

**Detection support:** Motion detection, Ultra Motion Detection and tampering alarm. Line-crossing and intrusion detection are **not supported** on this camera (confirmed by Uniview support).

## Specifications

| Camera | |
|---|---|
| Resolution | 4MP (2560 × 1440) |
| Sensor | 1/3.0" CMOS |

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|---|---|
| Min. Illumination | Colour: 0.01 lux (F1.6, AGC ON)<br>0 lux with IR |
| Day/Night | IR-cut filter with auto switch (ICR) |
| Shutter | Auto/Manual, 1 ~ 1/100000 s |
| Adjustment Angle | Pan: 0° ~ 360°, Tilt: 0° ~ 80°, Rotate: 0° ~ 360° |
| S/N | > 52 dB |
| WDR | DWDR |
| **Lens** | |
| Lens Type | 2.8 mm, fixed |
| Iris | F1.6, fixed |
| Field of View | Horizontal 97.0°, Vertical 52.2°, Diagonal 107.5° |
| **DORI Distance (2.8 mm)** | |
| Detect | 63.0 m (206.7 ft) |
| Observe | 25.2 m (82.7 ft) |
| Recognize | 12.6 m (41.3 ft) |
| Identify | 6.3 m (20.7 ft) |
| **Illuminator** | |
| IR / Warm Light Distance | Up to 30 m (98 ft) each |
| IR Wavelength | 850 nm |
| IR On/Off Control | Auto/Manual |
| Illumination Modes | Dual Light (default), Infrared, White Light |
| **Video** | |
| Video Compression | Ultra 265, H.265, H.264, MJPEG |
| H.264 Code Profile | Baseline profile, Main profile, High profile |
| Frame Rate | Main stream: 4MP (2560 × 1440) max 25 fps; 3MP (2304 × 1296) max 30 fps; 1080P (1920 × 1080) max 30 fps; 720P (1280 × 720) max 30 fps<br>Sub stream: D1 (720 × 576) max 30 fps; 640 × 360 max 30 fps; 2CIF (704 × 288) max 30 fps; CIF (352 × 288) max 30 fps |
| Video Bit Rate | 128 Kbps ~ 6144 Kbps |
| U-Code | Supported |
| Video Streams | Dual streams |
| OSD | Up to 4 OSDs |
| Privacy Mask | Up to 4 areas |
| ROI | Up to 8 areas |
| **Image** | |
| White Balance | Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2 |
| Digital Noise Reduction | 2D/3D DNR |
| Smart IR | Supported |
| Flip | Normal, Vertical, Horizontal, 180°, 90° clockwise, 90° anti-clockwise |
| HLC / BLC | Supported |
| Defog | Digital defog |
| **Events** | |
| Basic Detection | Motion detection, Ultra Motion Detection, tampering alarm |
| Line Crossing / Intrusion | **Not supported** |

| | |
|---|---|
| General Function | Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication, HTTP authentication |
| **Audio** | |
| Built-in Microphone | Yes (no two-way audio) |
| Audio Compression | G.711U, G.711A |
| Audio Bit Rate | 64 Kbps |
| Sampling Rate | 8 kHz |
| Noise Suppression | Supported |
| **Storage** | |
| Edge Storage | microSD, up to 128 GB |
| Network Storage | ANR, NAS (NFS) |
| **Network** | |
| Protocols | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, QoS, SSL/TLS, SNMP |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API, SDK |
| User/Host | Up to 32 users; 2 user levels: administrator and common user |
| 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 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above<br>Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above |
| **Interface** | |
| Network | 1 × RJ45 10M/100M Base-TX Ethernet |
| Not Included | Audio I/O, alarm I/O, serial port, speaker, Wi-Fi, video output, reset button |
| **Certifications** | |
| EMC | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130)<br>FCC (FCC 47 CFR Part 15 B) |
| Safety | CE LVD (EN 62368-1)<br>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) |
| **General** | |
| Power | DC 12 V ±25%, PoE (IEEE 802.3af)<br>Power consumption: max 2.8 W |
| Power Interface | Ø5.5 mm coaxial power plug |
| Dimensions (Ø × H) | Φ126 × 93.6 mm (Φ5.0" × 3.7") |
| Weight | 0.29 kg (0.64 lb) |
| Material | Metal + plastic |
| Colour | White |
| Working / Storage Environment | –30 °C ~ +60 °C (–22 °F ~ 140 °F), humidity ≤ 95% RH (non-condensing) |
| Surge Protection | 4 kV |
| **Accessories (sold separately)** | |
| Mounting | Uniview TR-JB03-H-IN junction box; Uniview TR-WM03-B-IN wall mount |