

## ECI-T28F2

### 4K Built-in Mic Fixed Turret Network Camera



- High quality imaging with 8 MP resolution
- Efficient H.265+ compression technology
- Clear imaging even with strong back lighting due to 120 dB WDR
- Water and dust resistant (IP67)
- EXIR 2.0: advanced infrared technology with long IR range
- Built-in microphone for real-time audio security
- Support on-board storage up to 256GB (SD card slot)

## ▪ Specification

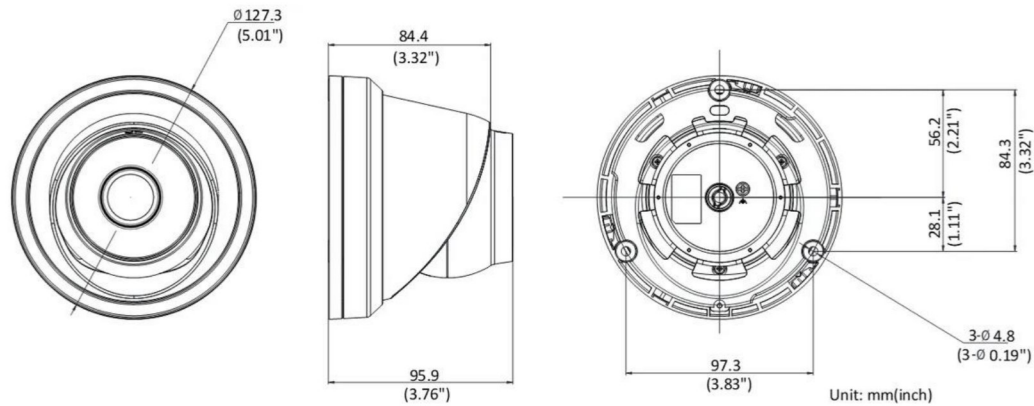
| Camera                      |                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.8" Progressive Scan CMOS                                                                                                                                                                                             |
| Max. Resolution             | 3840 × 2160                                                                                                                                                                                                              |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                                                                                                     |
| Min. Illumination           | Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR                                                                                                                                                                     |
| Day & Night                 | IR cut filter                                                                                                                                                                                                            |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                                                                                                     |
| Lens                        |                                                                                                                                                                                                                          |
| Lens Type                   | Fixed focal lens, 2.8 mm                                                                                                                                                                                                 |
| Focal Length & FOV          | horizontal FOV 108°, vertical FOV 60°, diagonal FOV 127°                                                                                                                                                                 |
| Lens Mount                  | M12                                                                                                                                                                                                                      |
| Iris Type                   | Fixed                                                                                                                                                                                                                    |
| Aperture                    | F2.0                                                                                                                                                                                                                     |
| DORI                        |                                                                                                                                                                                                                          |
| DORI                        | D: 81 m, O: 32 m, R: 16 m, I: 8 m                                                                                                                                                                                        |
| Illuminator                 |                                                                                                                                                                                                                          |
| Supplement Light Type       | IR                                                                                                                                                                                                                       |
| Supplement Light Range      | Up to 30 m                                                                                                                                                                                                               |
| Smart Supplement Light      | Yes                                                                                                                                                                                                                      |
| IR Wavelength               | 850 nm                                                                                                                                                                                                                   |
| Video                       |                                                                                                                                                                                                                          |
| Main Stream                 | 50 Hz:<br>12.5 fps (3840 × 2160),<br>20 fps (2592 × 1944),<br>25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz:<br>15 fps (3840 × 2160),<br>20 fps (2592 × 1944),<br>30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)                                                                                                                     |
| Video Compression           | Main stream: H.265+/H.264+/H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG                                                                                                                                                  |
| Video Bit Rate              | 32 Kbps to 16 Mbps                                                                                                                                                                                                       |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile                                                                                                                                                                               |
| H.265 Type                  | Main Profile                                                                                                                                                                                                             |
| Bit Rate Control            | CBR/VBR                                                                                                                                                                                                                  |
| Region of Interest (ROI)    | 1 fixed region for main stream                                                                                                                                                                                           |
| Audio                       |                                                                                                                                                                                                                          |
| Audio Type                  | Mono sound                                                                                                                                                                                                               |
| Environment Noise Filtering | Yes                                                                                                                                                                                                                      |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                                                                                                             |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC                                                                                                                                                                          |

|                                  |                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Bit Rate                   | 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC)                                                                                                                                                                                                           |
| <b>Network</b>                   |                                                                                                                                                                                                                                                                                                                                  |
| Security                         | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, host authentication (MAC address) |
| Simultaneous Live View           | Up to 6 channels                                                                                                                                                                                                                                                                                                                 |
| API                              | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK                                                                                                                                                                                                                                                                  |
| Protocols                        | TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour, FTP, 802.1x, SMTP                                                                                                                                                                                                               |
| User/Host                        | Up to 32 users. 3 user levels: administrator, operator and user                                                                                                                                                                                                                                                                  |
| Client                           | iVMS-4200, Hik-Connect                                                                                                                                                                                                                                                                                                           |
| Web Browser                      | Plug-in required live view: IE 10, IE 11<br>Local service: Chrome 57.0+, Firefox 52.0+                                                                                                                                                                                                                                           |
| <b>Image</b>                     |                                                                                                                                                                                                                                                                                                                                  |
| Wide Dynamic Range (WDR)         | 120 dB                                                                                                                                                                                                                                                                                                                           |
| SNR                              | ≥ 52 dB                                                                                                                                                                                                                                                                                                                          |
| Day/Night Switch                 | Day, Night, Auto, Schedule                                                                                                                                                                                                                                                                                                       |
| Image Enhancement                | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                                                                 |
| Image Settings                   | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser.                                                                                                                                                                                                      |
| Privacy Mask                     | 4 regions of privacy mask                                                                                                                                                                                                                                                                                                        |
| <b>Interface</b>                 |                                                                                                                                                                                                                                                                                                                                  |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                    |
| On-Board Storage                 | Built-in memory card slot, support microSD card, up to 256 GB                                                                                                                                                                                                                                                                    |
| Built-in Microphone              | Yes                                                                                                                                                                                                                                                                                                                              |
| Reset Key                        | Yes                                                                                                                                                                                                                                                                                                                              |
| <b>Event</b>                     |                                                                                                                                                                                                                                                                                                                                  |
| Basic Event                      | Motion detection, video tampering alarm, exception                                                                                                                                                                                                                                                                               |
| Linkage                          | Upload to memory card, notify surveillance center, trigger recording, trigger capture                                                                                                                                                                                                                                            |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                                                                  |
| Power                            | 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug<br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W                                                                                                                                                                                                    |
| Material                         | Metal                                                                                                                                                                                                                                                                                                                            |
| Package Dimension                | 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")                                                                                                                                                                                                                                                                                    |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                        |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                        |
| Language                         | English, Ukrainian                                                                                                                                                                                                                                                                                                               |
| General Function                 | Anti-flicker, heartbeat, mirror, password protection, password reset via e-mail                                                                                                                                                                                                                                                  |
| <b>Approval</b>                  |                                                                                                                                                                                                                                                                                                                                  |
| Protection                       | IP67 (IEC 60529-2013)                                                                                                                                                                                                                                                                                                            |

## ▪ Available Model

ECI-T28F2(2.8mm)

## ▪ Dimension



## ▪ Accessory

### ▪ Optional

| CM<br>Corner Mount                                                                  | WML<br>Wall Mount                                                                   | ABM<br>Angled Base                                                                  | CBM<br>Conduit Base                                                                   | PM<br>Pole Mount                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| CPM<br>Pendant Mount                                                                | PC130T<br>Pendant Cap                                                               | CB130T<br>Conduit Base                                                              |                                                                                       |                                                                                       |
|  |  |  |                                                                                       |                                                                                       |



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