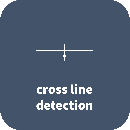
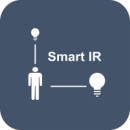
# 4MP Fixed Bullet Network Camera

EC-B4F28M



## Key Features

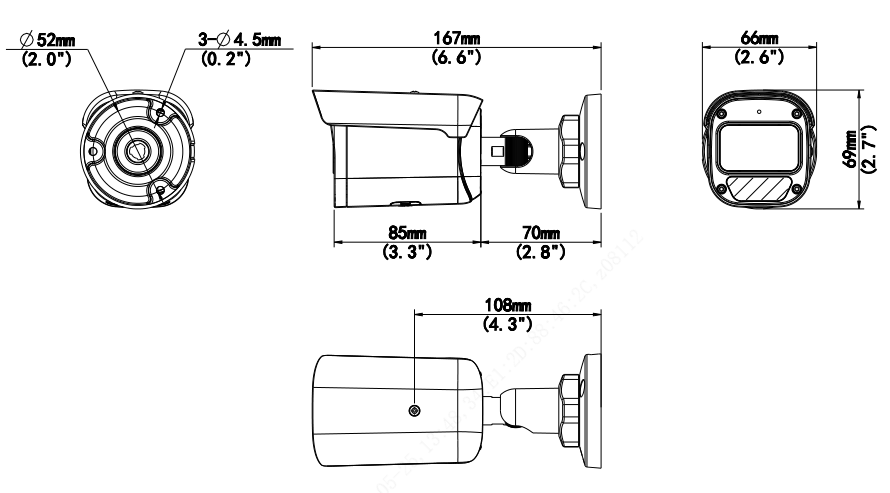
       

* High quality image with 4MP, 1/3"CMOS sensor
* 4MP (2560\*1440)@25/20fps; 3MP (2304\*1296)@30/25fps; 2MP (1920\*1080)@30/25fps; 720P (1280\*720)@30/25fps
* Ultra 265, H.265, H.264, MJPEG
* Smart IR, up to 30m (98ft) IR distance
* Supports 128 G Micro SD card
* Support PoE power supply
* 3-Axis

## Specifications

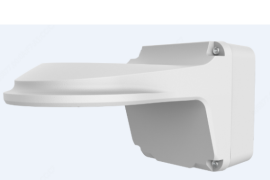
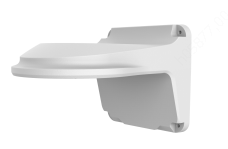
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | EC-B4F28M | | | | | |
| Camera | | | | | | |
| Sensor | 1/3", 4.0 megapixel, progressive scan, CMOS | | | | | |
| Minimum Illumination | Colour: 0.01Lux (F2.0, AGC ON)  0Lux with IR on | | | | | |
| Day/Night | IR-cut filter with auto switch (ICR) | | | | | |
| Shutter | Auto/Manual, 1 ~ 1/100000s | | | | | |
| Adjustment angle | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360° | | | | | |
| S/N | >56dB | | | | | |
| WDR | DWDR | | | | | |
| Lens | | | | | | |
| Lens Type | 2.8mm and 4.0mm @2.0, Fixed-focal | | | | | |
| Lens Mount | M12 | | | | | |
| Angle of View (H) | 97.0° | | | 79.0° | | |
| Angle of View (V) | 52.2° | | | 42.3° | | |
| Angle of View (O) | 107.5° | | | 85.1° | | |
| DORI | | | | | | |
| DORI Distance | Lens (mm) | Detect (m) | Observe (m) | | Recognize (m) | Identify (m) |
| 2.8 | 63.0 | 25.2 | | 12.6 | 6.3 |
| 4.0 | 90.0 | 36.0 | | 18.0 | 9.0 |
| Illuminator | | | | | | |
| IR Range | Up to 30m (98ft) IR range | | | | | |
| Wavelength | 850nm | | | | | |
| 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: 4MP (2560\*1440), Max 25fps; 3MP (2304\*1296), Max 30fps; 1080P (1920\*1080), Max 30fps; 720P (1280\*720), Max 30fps  Sub Stream: D1 (720\*576), Max 30fps; 640\*360,Max 30fps; 2CIF(704\*288), Max 30fps; CIF(352\*288), Max 30fps; | | | | | |
| Video Bit Rate | 128 Kbps~6144 kbps | | | | | |
| U-code | Supported | | | | | |
| OSD | Up to 4 OSDs | | | | | |
| Privacy Mask | Up to 4 areas | | | | | |
| ROI | Up to 8 areas | | | | | |
| Motion Detection | Up to 4 areas | | | | | |
| Image | | | | | | |
| White Balance | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2 | | | | | |
| Image Setting | Image rotation, brightness, saturation, contrast, sharpness, gain adjustable by web browser | | | | | |
| Digital noise reduction | 2D/3D DNR | | | | | |
| Smart IR | Supported | | | | | |
| Flip | Normal/Vertical/Horizontal/180° | | | | | |
| Dewarping | NA | | | | | |
| HLC | Supported | | | | | |
| BLC | Supported | | | | | |
| Defog | Digital Defog | | | | | |
| Events | | | | | | |
| Behavior Detection | Cross line, intrusion(based on human body detection) | | | | | |
| Motion detection, tampering alarm | | | | | |
| General Function | Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication | | | | | |
| Storage | | | | | | |
| Edge Storage | Micro SD, up to 128GB | | | | | |
| 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 | EZStation  EZView  EZLive | | | | | |
| Web Browser | Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below | | | | | |
| Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+ | | | | | |
| Interface | | | | | | |
| Network | 1 \* RJ45 10M/100M Base-TX Ethernet | | | | | |
| Certification | | | | | | |
| EMC | FCC: FCC Part 15 | | | | | |
| Safety | CE: EN 60950-1  UL: UL60950-1  IEC 60950-1 | | | | | |
| General | | | | | | |
| Power | DC 12V±25%, PoE (IEEE 802.3af) | | | | | |
| Power consumption: Max 5.5W | | | | | |
| Power Interface | Ø 5.5mm coaxial power plug | | | | | |
| Dimensions (L × W × H) | 165 × 63 × 62mm (6.5” × 2.5” × 2.5”) | | | | | |
| Weight | 0.39kg (0.86lb) | | | | | |
| Material | Metal | | | | | |
| Working Environment | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing) | | | | | |
| Storage Environment | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing) | | | | | |
| Surge Protection | 4KV | | | | | |
| Reset Button | N/A | | | | | |
| Ingress Protection | Ingression protection: IP67 | | | | | |

### Dimensions

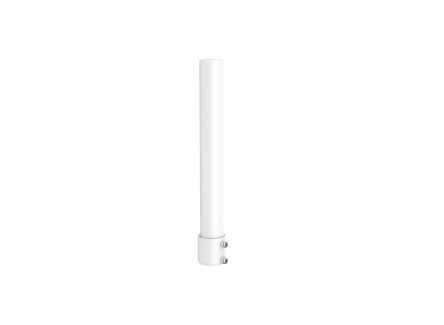
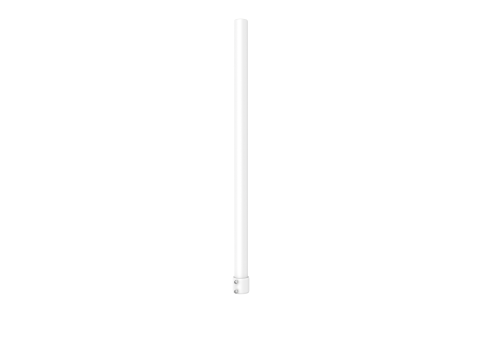


### Accessories

TR-JB03-G-IN TR-JB07/WM03-G-IN TR-WM03-D-IN TR-UM06-E-IN TR-UP06-IN TR-A01-IN

TR-SE24-IN TR-SE24-A-IN TR-CM24-IN

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\*Product specifications and availability are subject to change without notice.