**TRINAI**
Vision With Intelligence

# 2MP HD Intelligent LightHunter IR VF Dome Network Camera



Model no: AI02ID040L67-05MV-013F-LS

Certificate

FC  C E  ⑧ RoHS

## key features



2MP | Smart Intrusion Prevention | Lighthunter | WDR | Built-in Mic | IK 10 | IP 67

- ▶ High quality image with 2MP, 1/2.8"CMOS sensor
- ▶ 2MP (1920*1080)@30/25fps; 720P (1280*720)@30/25fps
- ▶ Ultra 265, H.265, H.264, MJPEG
- ▶ Smart intrusion prevention, include cross line, intrusion, enter area, leave area detection
- ▶ Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds and lights etc., accurately focus on human and, motor vehicle and non-motor vehicle
- ▶ Intelligent People Flow Counting and Crowd Density Monitoring
- ▶ LightHunter technology ensures ultra-high image quality in low illumination environment
- ▶ 120dB true WDR technology enables clear image in strong light scene
- ▶ Support 9:16 Corridor Mode
- ▶ Built-in Mic
- ▶ Alarm:1 in/1 out, Audio: 1 in/1 out
- ▶ Smart IR, up to 40m (131ft) IR distance
- ▶ Supports 256 G Micro SD card
- ▶ IK10 vandal resistant and IP67 protection
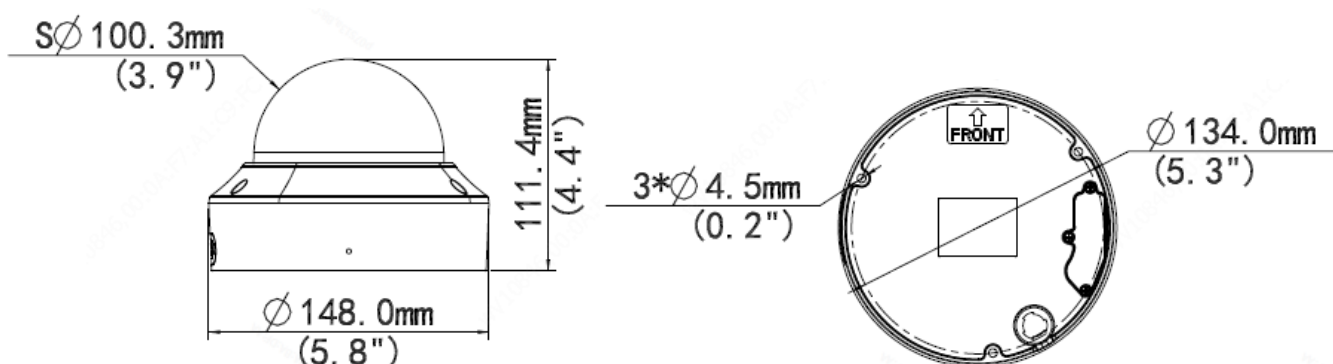
# DATA SHEET

## Specifications

| | AI02ID040L67-05MV-013F-LS | | | |
|---|---|---|---|---|
| **Camera** | | | | |
| Sensor | 1/2.8", 2.0 megapixel, progressive scan, CMOS | | | |
| Minimum Illumination | Colour: 0.001 lux (F1.2, AGC ON)<br>0 lux with IR on | | | |
| Day/Night | IR-cut filter with auto switch (ICR) | | | |
| Shutter | Auto/Manual, 1 ~ 1/100000s | | | |
| Adjustment angle | Pan: 0° ~ 355° | Tilt: 0° ~ 80° | | Rotate:0° ~ 355° |
| WDR | 120dB | | | |
| S/N | >52dB | | | |
| **Lens** | | | | |
| Lens | 2.7 ~ 13.5mm, AF automatic focusing and motorized zoom lens | | | |
| Iris | Fixed | | | |
| Field of View (H) | 107.4° ~ 29.2° | | | |
| Field of View (V) | 54.2° ~ 16.3° | | | |
| Field of View (D) | 111.0° ~33.1° | | | |
| **DORI** | | | | |

| DORI Distance | Lens (mm) | Detect (m) | Observe (m) | Recognize (m) | Identify (m) |
|---|---|---|---|---|---|
| | 2.7 | 41.9 | 16.8 | 8.4 | 4.2 |
| | 13.5 | 209.5 | 83.8 | 41.9 | 20.9 |

| | | | | |
|---|---|---|---|---|
| **Illuminator** | | | | |
| IR Range | Up to 40m (131ft) 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: 2MP (1920*1080), Max 30fps; 720P (1280*720), Max 30fps;<br>Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360,Max 30fps;<br>Third 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~16 Mbps | | | |
| U-code | Support | | | |
| OSD | Up to 8 OSDs | | | |
| Privacy Mask | Up to 4 areas | | | |
| ROI | Up to 8 areas | | | |
| Video Stream | Triple streams | | | |
| **Image** | | | | |
| White Balance | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2 | | | |
| Digital Noise Reduction | 2D/3D DNR | | | |
| Smart IR | Support | | | |
| Flip | Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise | | | |
| Dewarping | N/A | | | |

| HLC | Support |
|---|---|
| BLC | Support |
| Defog | Digital Defog |
| **Intelligent** | |
| Smart intrusion prevention | Support false alarm filtering: Line crossing detection, Intrusion detection, Region entrance detection, Region exit detection |
| Statistical Analysis | People counting, support tripwire people counting and area people counting |
| **Events** | |
| Basic Detection | Motion detection , Ultra motion detection, Tampering alarm, Audio detection |
| General Function | Watermark, IP address filtering, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication |
| **Audio** | |
| Audio Compression | G.711U, G.711A |
| Audio Bitrate | 64 Kbps |
| Two-way Audio | Support |
| Suppression | Support |
| Sampling Rate | 8KHZ |
| **Storage** | |
| Edge Storage | Micro SD, up to 256GB |
| Network Storage | ANR, NAS(NFS) |
| **Network** | |
| Protocols | IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP,SSL/TLS, SSH |
| 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 |
| Web Browser | Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above |
| | Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above |
| **Interface** | |
| Audio I/O | 1 Input: impedance 35kΩ; amplitude 2V [p-p] |
| | 1 Output: impedance 600Ω; amplitude 2V [p-p] |
| Alarm I/O | 1/1 |
| RS485 | N/A |
| Built-in Mic | Support |
| Built-in Speaker | N/A |
| WIFI | N/A |
| Network | 1 * RJ45 10M/100M Base-TX Ethernet |
| Video Output | N/A |
| **Certifications** | |
| EMC | FCC |
| Safety | CE<br>RoHS<br>BIS |

# DATA SHEET

| General | |
|---|---|
| Power | DC 12V±25%, PoE (IEEE 802.3af) |
| | Power consumption: Max 7.0W |
| Power Interface | Ø 5.5mm coaxial power plug |
| Dimensions (Ø x H) | Φ 148.0 x 111.4mm (Φ5.8'' x4.4'') |
| Weight | 0.97kg (2.14lb) |
| Material | Metal |
| Working Environment | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing) |
| Strorage Environment | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing) |
| Surge Protection | 6KV |
| Reset Button | Support |

## Dimensions



S Ø 100.3mm (3.9")  
111.4mm (4.4")  
Ø 148.0mm (5.8")  
3* Ø 4.5mm (0.2")  
FRONT  
Ø 134.0mm (5.3")

## Accessories
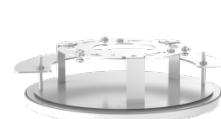
| AI -JB04-C-IN | AI -JB07/WM04-B-IN | AI -WM04-IN | AI -FM152-A-IN |
|---|---|---|---|
| Junction Box | Wall Mount | Wall Mount | In-ceiling Mount |



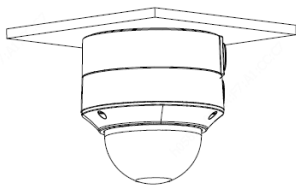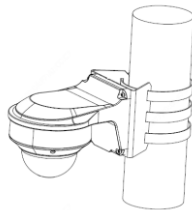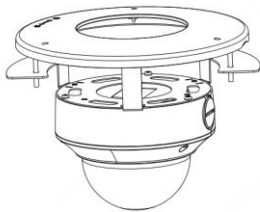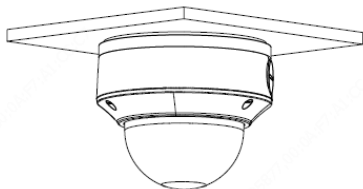| AI -UP06-IN | AI -A01-IN | AI -SM04-IN | AI -SE24-IN |
|---|---|---|---|
| Pole Mount | Waterproof Joint | Electric-box Transfer Plate | Pendant Mount |

# DATA SHEET

AI -SE24-A-IN

Pendant Mount

AI -CM24-IN

Pendant Mount

| Junction box | Pole mount |
|---|---|
| AI -JB04-C-IN+TR-A01-IN | AI -JB07/WM04-B-IN (TR-WM04-IN)+ TR-UP06-IN |
| | |
| **In-ceiling mount** | **Electric-box Transfer plate** |
| AI -FM152-A-IN | AI -SM04-IN |
| | |
| **Indoor pendent    mount** | |
| AI -JB04-D-IN+TR-A01-IN+  AI -SE24-IN(AI -SE24-A-IN)+  AI -CM24-IN | |
| | |