

# TP-MMD8MV2

8MP HD TwilightVision™ IR VF Dome Network Camera



## KEY FEATURES

- ✓ To be used with SMART Series NVR with Turing Vision Cloud
- ✓ Includes Turing Vision Core License
- ✓ **TwilightVision™** technology superior low-light performance
- ✓ 2.8~12mm Motorized Lens
- ✓ Max. 8MP (3840\*2160)@20fps
- ✓ Built-in Mic
- ✓ Smart IR, up to 40m (131 ft)
- ✓ Supports 256 G Micro SD card
- ✓ IP67, IK10, PoE



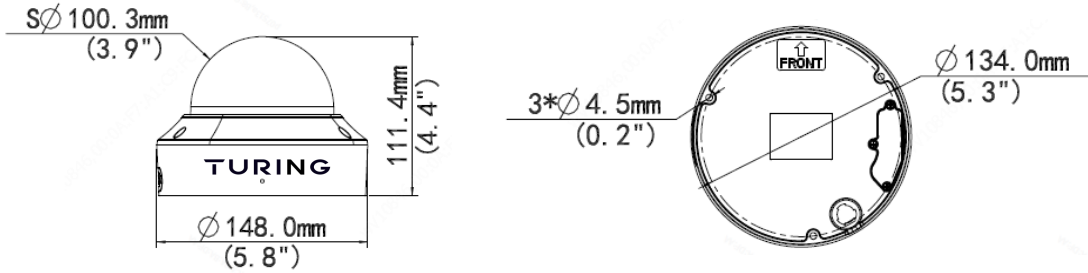
# SPECIFICATIONS

| CAMERA                  |  |                |                   |
|-------------------------|--|----------------|-------------------|
| Sensor                  | 1/2.8", 8.0 megapixel, progressive scan, CMOS  |                |                   |
| Lens                    | 2.8 ~ 12mm, AF automatic focusing and motorized zoom lens  |                |                   |
| Angle of View (H)       | 107.4° ~ 29.2°   |                |                   |
| Angle of View (V)       | 54.2° ~ 16.3°  |                |                   |
| Angle of View (O)       | 111.0° ~ 33.1°   |                |                   |
| Adjustment angle        | Pan: 0° ~ 355°   | Tilt: 0° ~ 80° | Rotate: 0° ~ 355° |
| Shutter                 | Auto/Manual, 1 ~ 1/100000s   |                |                   |
| Minimum Illumination    | Color: 0.003Lux (F1.6, AGC ON)<br>0Lux with IR on  |                |                   |
| Day/Night               | IR-cut filter with auto switch (ICR)   |                |                   |
| Digital Noise Reduction | 2D/3D DNR  |                |                   |
| S/N                     | >56dB  |                |                   |
| IR Range                | Up to 40m (131ft) IR range   |                |                   |
| Wavelength              | 850nm  |                |                   |
| IR On/Off Control       | Auto/Manual  |                |                   |
| Defog                   | Digital Defog  |                |                   |
| WDR                     | 120dB  |                |                   |
| VIDEO                   |  |                |                   |
| Video Compression       | Ultra 265, H.265, H.264, MJPEG   |                |                   |
| H.264 code profile      | Baseline profile, Main profile, High profile   |                |                   |
| Frame Rate              | Main Stream: 8MP (3840*2160), Max 20fps; 5MP (3072*1728), Max 30fps; 4MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps;<br>Sub Stream: 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), 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   |                |                   |
| OSD                     | Up to 8 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  |                |                   |
| Smart IR                | Support  |                |                   |
| Flip                    | Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise   |                |                   |
| De-warping              | Supported  |                |                   |
| HLC                     | Supported  |                |                   |
| BLC                     | Supported  |                |                   |

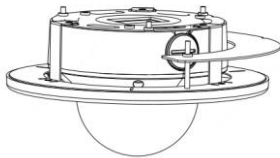
| AUDIO                      |  |
|----------------------------|--|
| Audio Compression          | G.711  |
| Two-way audio              | Supported  |
| Suppression                | Supported  |
| Sampling Rate              | 8KHZ   |
| STORAGE                    |  |
| Edge Storage               | Micro SD, up to 256GB  |
| Network Storage            | ANR  |
| INTELLIGENCE               |  |
| Smart intrusion Prevention | Cross line, intrusion, enter area detection  |
| Compatible NVR             | Turing SMART NVR: TR-MR(P) models  |
| EVENTS                     |  |
| Basic Detection            | Motion detection, tampering alarm, audio detection   |
| General Function           | Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication     |
| Protocols                  | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS                           |
| Compatible Integration     | ONVIF (Profile S, Profile G, Profile T), API   |
| Web Browser                | Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below<br>Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+ |
| INTERFACES                 |  |
| Audio I/O                  | Input: impedance 35kΩ; amplitude 2V [p-p]<br>Output: impedance 600Ω; amplitude 2V [p-p]  |
| Alarm I/O                  | 1/1  |
| Built-in Mic               | Supported  |
| Network                    | 1 RJ45 10M/100M Base-TX Ethernet   |
| CERTIFICATIONS             |  |
| Certifications             | CE: EN 60950-1<br>UL: UL60950-1<br>FCC: FCC Part 15  |
| GENERAL                    |  |
| Power                      | DC 12V±25%, PoE (IEEE 802.3af)<br>Power consumption: Max 9.0W  |
| Dimensions (Ø x H)         | Ø148 x 111.4mm (Ø5.8" x 4.4")  |
| Net Weight                 | 0.97kg (2.14lb)  |
| Material                   | Metal + Plastic  |
| 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           | 2KV  |
| Ingress Protection         | IP67   |
| Vandal Resistant           | IK10   |
| Reset Button               | Supported  |



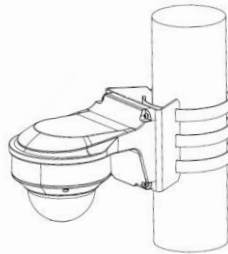
## DIMENSIONS



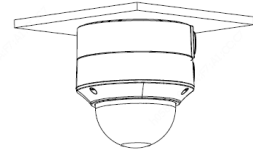
## MOUNTING



Ceiling Mount:  
TP-MDRM



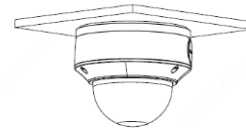
Pole Mount:  
TP-UDPM  
Wall Mount:  
TP-MDWM  
w/ Junction Box:  
TP-MDWJ



Junction Box:  
TP-MDJB



Optional Cable Gland:  
TP-UDPM



Gang Box Plate:  
TP-MDEP

