SMART Series 12MP Fisheye Camera

TP-MFECM18

The Turing Smart Series fisheye camera TP-MFECM18 is a 12 megapixel high resolution sensor and an ultra-wide angle fisheye lens. It supports a variety of modes that digitally dewarp the fisheye image into a view suitable for the application.



KEY FEATURES

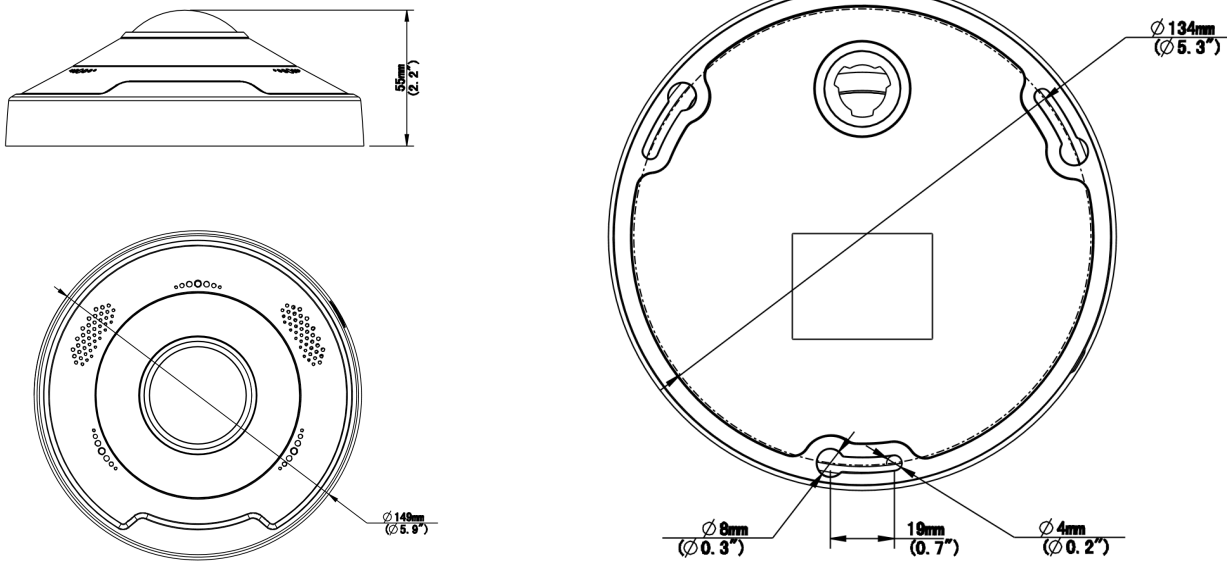
- 12MP image sensor with 360-degree fisheye lens
- Fisheye, panoramic, and ePTZ modes available in wall, desk, and ceiling orientations.
- Built-in surround IR LED for improved low light
- Built-in mic & speaker
- IP67 water resistance, IK10 vandal resistance
- Connects to TURING VISION ® cloud VMS via Turing Smart Series NVR

SPECIFICATIONS

MODEL NUMBER	TP-MFECM18
TURING VISION ® SUPPORT	
TURING VISION ® Cloud VMS	Included
Prerequisites	Turing SMART Series NVR & bridge TR-MR32R-B & TR-MR64R-B only; other NVR unsupported
CORE AI License	Not supported (to be supported at a later date)
VIDEO & AUDIO	
Image sensor	1/1.7", 12.0 megapixel, progressive scan CMOS
Lens	**Focal Length:** 1.8mm @ F2.0; **Angle of view** 360°
Minimum Illumination	Color: 0.03Lux (F2.0, AGC ON); 0 Lux with IR in B&W night mode
IR LED	**Smart IR Range:** Up to 15m (49 ft); **Wave Length:** 850nm
Shutter	Auto/Manual, shutter time: 1~1/100000 s
Image Processing	**WDR:** 120 dB; **S/N:** >52dB; **Noise reduction**: 2D/3D; **Defog**: Supported
Video Encoding	Ultra 265, H.265, H.264 (Baseline profile, Main Profile, High Profile), MJPEG; **ROI**: Up to 8 areas
Available Modes and Resolution	**Fisheye Mode** Main Stream: 12MP(4000*3000)@20fps;3000*3000@20fps; 2560*2560@25fps Sub Stream: 2000*1500@20fps; 2000*2000@25fps Third Stream: D1(720*576)@20/25fps; CIF352*288)@20/25fps **Panoramic Mode** Main Stream (Only): 12MP(4000*3000)@20fps;3000*2000@20/25fps; 3000*1500@20/25fp **4PTZ Mode** Main Stream (Only) PTZ View: 1920*1080@20/25fps
On-screen Overlay	**OSD**: Up to 8 OSD; **Privacy Mask**: Up to 4 areas
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Image Rotation	Normal/Flip Vertical/ Flip Horizontal/180°
Audio I/O	Built-in Mic; **Audio In**: 1; Built-in Speaker; **Audio Out:** 1
Audio Compression	G.711, 64 Kbps, 8KHz, audio suppression
Alarm I/O	**Alarm In**: 1; **Alarm Out**: 1
Onboard Storage	microSD slot (SD card not included); up to 256GB

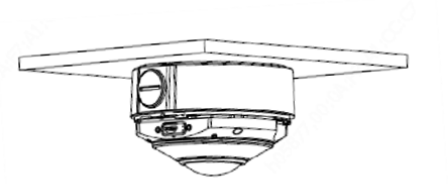
FISHEYE DEWARP	
Mount Types	Supports table, wall, and ceiling modes
Hardware Dewarp	**Ceiling mount** fisheye view, fisheye + 4PTZ, horizontal panorama view、vertical panorama view **Table mount** fisheye view, fisheye + 4PTZ, , horizontal panorama view、vertical panorama view **Wall mount** fisheye view, fisheye + 4PTZ, panorama view
Software Dewarp	**Ceiling mount** fisheye view, 360° panorama + 1PTZ, 180° panorama view, fisheye+ 3PTZ, fisheye+4PTZ, fisheye+8PTZ,360° panorama + 6PTZ **Table mount** fisheye view, 360°panorama + 1PTZ, 180°panorama view, fisheye+ 3PTZ, fisheye+4PTZ, fisheye+8PTZ,360° panorama + 6PTZ **Wall mount** fisheye view, 180°panorama view, 180°panorama view+3PTZ, 180°panorama view+4PTZ, 180°panorama view+8PTZ
Software Dewarp Clients	NVR (TR-MR32R, TR-MR64R only) HDMI output: Supported Web Browser (with IE or Chrome plug-in): Supported Smart Viewer: Supported Smart Station: Supported Turing Vision Desktop and mobile apps: Not Supported
NETWORK ACCESSIBILITY & SECURITY	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, 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
Network	1 RJ45 10M/100M Base-TX Auto-adaptive Ethernet
GENERAL	
EMC	FCC CFR 47 Part 15, EN 55032:2015, EN 55024:2010 EN 61000-3-2:2014, EN 61000-3-3-2013
Safety Certification	IEC 62368-1, EN 62368-1, UL 62368-1
Power	DC12V±25%,PoE (IEEE 802.3af); Max. 12W; Surge Protection: 4KV
Dimensions & Weight	Φ149 x 55mm (Φ5.9” x 2.2”); 0.52kg (1.15lb)
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)
Reset Button	Pesent
Environmental Protection	Ingression protection: IP67; Vandal resistance: IK10

DIMENSIONS

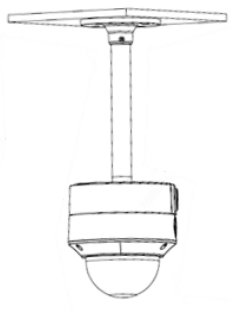


MOUNTING ACCESSORIES

MODEL NUMBER	DESCRIPTION / APPLICATION	COMPATIBLE ACCESSORIES
TP-FEJB	Junction Box	**TP-AIPMB** - 200mm indoor pendant base **TP-IPME2** - 200mm indoor pendant extension (requires base) **TP-IPME5** - 500mm indoor pendant extension (requires base) **TP-UWPJ** - cable gland
TP-FEPC	Pendant Cap (1.5" threads)	**TP-PCWM** - wall mount arm **TP-PCPDMB** - 200mm pendant base **TP-PCPDM2** - 200mm pendant extension (requires base) **TP-PCPDM2** - 500mm indoor pendant extension (requires base)



Junction Box: TP-FEJB



Junction Box: TP-FEJB
Pendant Base: TP-AIPMB
Extension 200mm: TP-IPME2
Extension 500mm: TP-IPME5