

TP-MMB4AV2

4MP HD TwilightVision™ IR VF Bullet Network Camera



KEY FEATURES

- ✓ **TwilightVision™** technology superior low-light performance
- ✓ Up to 50m (164 ft) IR LED range
- ✓ On-board person & vehicle detection & intrusion filter
- ✓ Includes Turing Vision VSaaS license
- ✓ 30-day event clip cloud storage
- ✓ People & vehicle attribute search in the cloud
- ✓ Requires Turing SMART series NVR



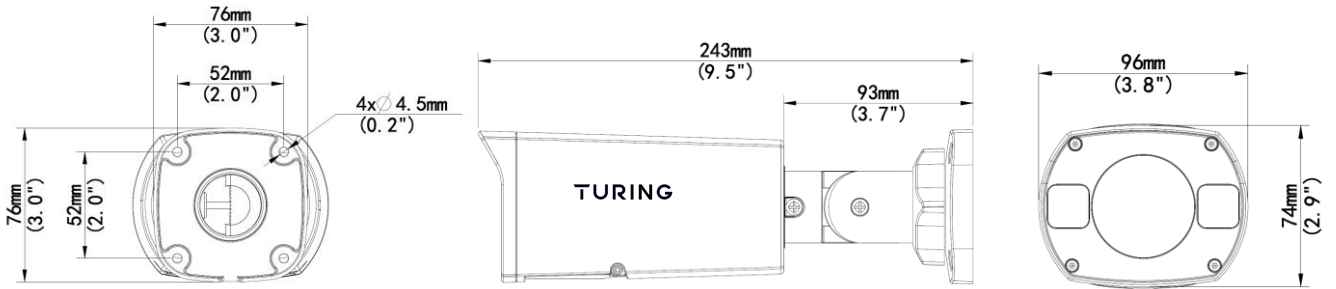
SPECIFICATIONS

CAMERA	
Sensor	1/3", 4.0megapixel, progressive scan, CMOS
Lens	2.7 ~ 13.5mm, AF automatic focusing and motorized zoom lens
Angle of view (H)	98.26° ~ 31.35°
Angle of View (V)	54.76° ~ 18.55°
Angle of View (O)	127.74° ~ 36.99°
Adjustment angle	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotate: 0° ~ 360°
Shutter	Auto/Manual, 1 ~ 1/100000s
Minimum Illumination	Cooler: 0.002Lux (F1.2, AGC ON)
Day/Night	IR-cut filter with auto switch (ICR)
Digital Noise Reduction	2D/3D DNR
S/N	>56 dB
IR Range	Up to 50m (164ft) 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: 4MP (2688*1520), Max 30fps; 4MP (2560*1440), Max 30fps; 3MP (2304*1296), Max 30fps; 1080P (1920*1080), Max 30fps; Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; 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	Yes
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise
De-warping	No
HLC	Yes
BLC	Yes

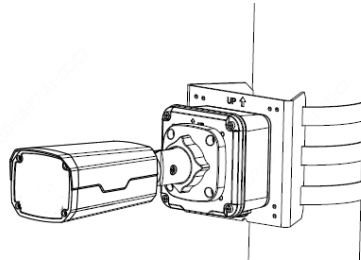
AUDIO	
Audio Compression	G.711
Two-way audio	Yes
Suppression	Supported
Sampling Rate	8KHZ
STORAGE	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR
INTELLIGENCE	
Smart intrusion Prevention	Cross line, intrusion, enter area detection
Supported NVR	Turing SMART NVR: TR-MR(P) models
NETWORK	
Protocols	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 Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+
INTERFACES	
Audio I/O	1 Input: impedance 35kΩ; amplitude 2V [p-p] 1 Output: impedance 600Ω; amplitude 2V [p-p]
Network	1 RJ45 10M/100M Base-TX Ethernet
CERTIFICATIONS	
Certifications	CE: EN 60950-1 UL: UL60950-1 FCC: FCC Part 15
GENERAL	
Power	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 8.5W
Dimensions (L x W x H)	243 x 96 x 74mm (9.6" x 3.8" x 2.9")
Net Weight	0.92kg (2.03lb)
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	6KV
Ingress Protection	IP67
Vandal Resistant	IK10
Reset Button	N/A



DIMENSIONS



MOUNTING



Pole Mount: TP-FCBPM

Junction Box: TP-MBJB



Optional Cable Gland: TP-UWPI

