Smart Series 4MP 10-50mm LPR Bullet Camera

TP-MMB4AV10L

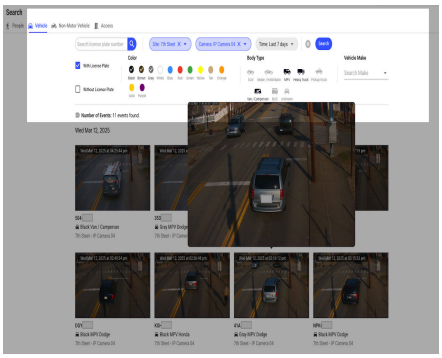
The TP-MMB4AV10L is a high-performance LPR camera ideal for monitoring road traffic, securing gate entrances, and managing parking lots and access points at extended distances. Its 10–50 mm motorized zoom lens and AI-Driven ISP deliver accurate license plate recognition even in challenging lighting conditions, while upgraded onboard analytics provide richer investigative search capabilities.



KEY FEATURES

- 1/1.8" 4MP sensor provides exceptional image quality for accurate license plate capture.
- 10-50 mm motorized zoom lens allows for flexible FoV adjustments.
- AI-Driven ISP delivers enhanced image quality in varying light conditions.
- Built-in LPR algorithm ensures reliable license plate recognition.
- Allow and block lists enable customized access control
- Alarm, audio, RS485 serial and Wiegand I/O for access control hardware.
- Connects to TURING VISION ® cloud VMS via Turing Smart Series NVR
- Up to 10-year extended warranty with CORE AI license
- NDAA compliant

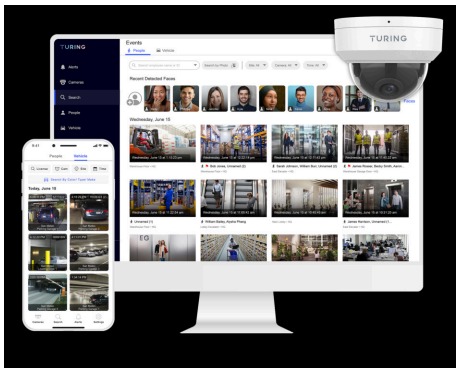
EMPOWER VIDEO SECURITY WITH TURING VISION ® AND CORE AI LPR



Vehicle attribute search



License plate detection and comparison



Customized smart alerts anywhere using Vision apps

*Activation depends on state regulations and the compliance with Biometric Information Protection Act (BIPA). Please refer to our privacy policy.

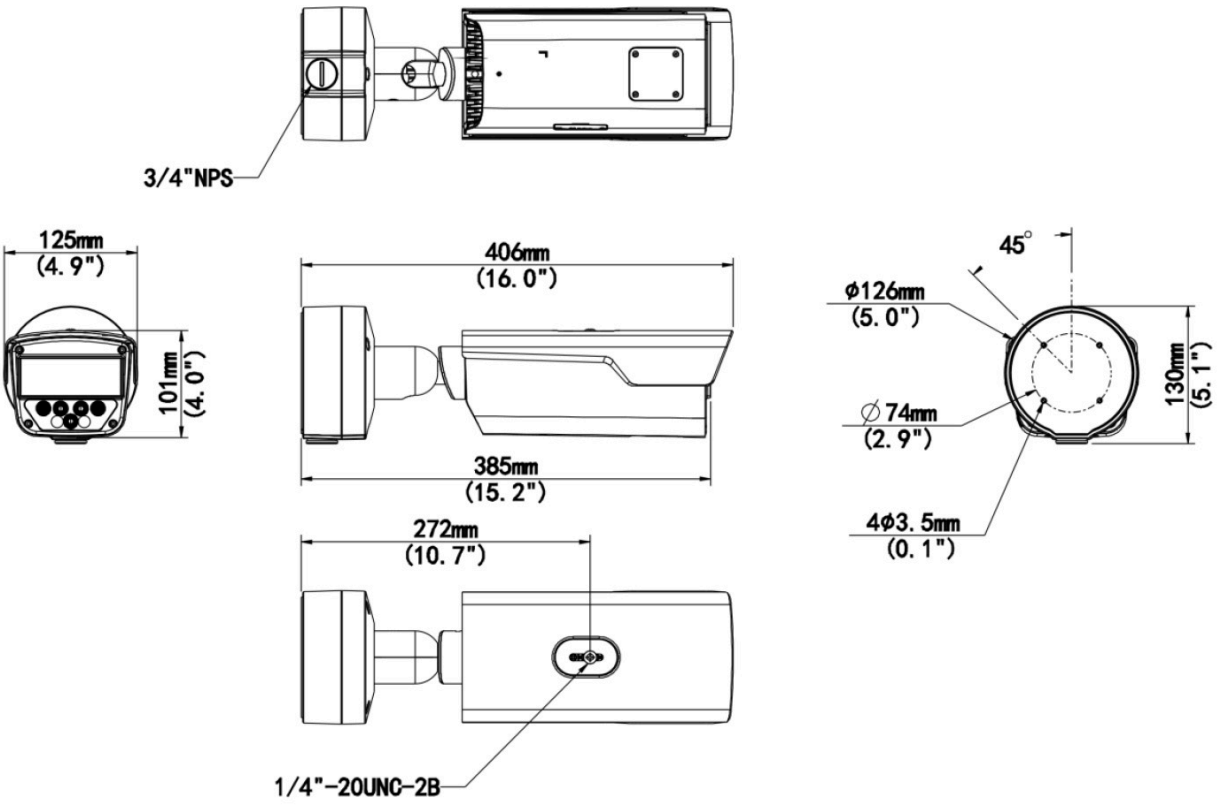
Visit turing.ai/get-core to find out more about CORE AI

SPECIFICATIONS

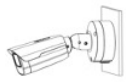
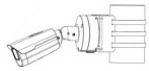
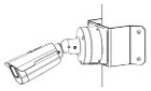
MODEL NUMBER	TP-MMB4AV10L
Cloud & VMS Support	
TURING VISION® Cloud VMS	Included
LPR Licenses (not included)	TV-CORELPR, TV-PREMLPR, TV-GALPR, TV-GAPREMLPR, TV-SC-AGT
Prerequisites	Turing SMART Series NVR & Bridge Compatible NVR: TR-MRP042(4)GL-B, TR-MRP082/164G2-B, TR-MRC DTC NVR, TR-MR32/64R-B Note: For optimal LPR performance, use a maximum of 8 LPR cameras per NVR/Bridge.
VIDEO & AUDIO	
Image Sensor	1/1.8″, 4.0 megapixel, progressive scan, CMOS
Lens	Focal Length: 10-50 mm HFOV: 34.3° to 8.7°, VFOV: 19.9° to 4.8°, DFOV: 40.5° to 9.8°
Minimum Illumination	Color: 0.002 lux (F1.7); 0 lux with IR on
IR LED	Integrated illumination module, 5 IR LED, IR range up to 50m (164ft); 850nm
Shutter	Auto/Manual, shutter time: 1/500~1/100000 s
Image Processing	AI-Driven ISP; WDR:120 dB; S/N: >50dB; Noise reduction: 3D DNR; HDC; BLC; Defog: digital defog
Video Encoding	Ultra 265, H.265, H.264 (Baseline profile, Main Profile, High Profile); ROI: Up to 8 areas
Resolution & Frame Rate	Main Stream: 2688×1520 (4MP), 1080P (default), 720P, D1 Sub Stream: 720P (default), D1, 2CIF, CIF Third Stream: D1 (default), 2CIF, CIF Frame Rate: Up to 60fps — 60, 50, 30 (default), 25, 22, 20, 18, 16, 15, 12.5, 10, 8, 6, 5, 4, 3, 2, 1 fps
On-screen Overlay	OSD: Up to 8 OSD
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Image Rotation	Normal; Flip Vertical; Flip Horizontal; 180°; 90°Clockwise; 90°Anti-clockwise
Audio I/O	1 Audio I/O
Alarm I/O	1 Alarm out: withstand voltage: AC 125V/0.3A, DC 30V/1A; Supports Wiegand output 2 Alarm in: support level up to DC 5V and switch signal
Onboard Storage	microSD slot (SD card not included); up to 512GB
LPR Features	
Max Vehicle Speed	Up to 50 mph / 75 mph with custom firmware
Detection Method	Video detection based on headlights and taillights; Bidirectional detection
Data Capacity	Supports allowlist and blocklist (up to 20,000 entries each)
Trigger Actions	Barrier opening conditions: Recognized, Allowlist, Not in Blocklist, All Vehicles
Network & 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, G, T), API, SDK
User Management	Up to 32 users. 3 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	CE-EMC (EN 55032:2015+A11:2020+A1:2020, EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC 61000-3-2:2019+A1:2021, EN 50130-4:2011+A1:2014); FCC (FCC CFR 47 Part 15 B, ANSI C63.4:2014)
Compliance	EN IEC 62368-1:2020+A11:2020; UL (UL 62368-1, 2nd Ed., Issue Date 2014-12-01); CE-RoHS (2011/65/EU; (EU) 2015/863); WEEE (2012/19/EU); NDAA Compliant.
Power	DC12V + 25% - 10% Max. power consumption: 20W Supports PoE (802.3at, class 4)
Dimensions & Weight	406mm x 126mm x 130mm (16” × 5” × 5.1”), 2.02kg (4.45lb)
Working Environment	-40°C ~ 60°C (-40°F ~ 140°F), Humidity: ≤90% RH (non-condensing)
Reset Button	Support; by the SD card slot.
Protection Rating	Ingression protection: IP67; IK10

**All specifications are subject to change without further notice

DIMENSIONS



MOUNTING ACCESSORIES

	MODEL NUMBER	DESCRIPTION	COMPATIBLE ACCESSORIES
	-	Junction Box	Included junction box
	**TP-FCBPM**	Pole Mount	Via included junction box
	**TP-WMCM**	Corner Mount	Via included junction box