

# TP-MFD4A28 & TP-MFD4A4

## 4MP HD TwilightVision™ IR Dome Network Camera



### KEY FEATURES

- ✓ To be used with SMART Series NVR with Turing Vision Cloud
- ✓ TP-MFD4A28: 2.8mm Fixed lens; TP-MFD4A4: 4mm Fixed Lens
- ✓ Max. 4 MP (2688\*1520)@ 30/25fps
- ✓ **TwilightVision™** technology superior low-light performance
- ✓ Smart IR, up to 30m (98ft)
- ✓ Supports 256 G Micro SD card
- ✓ IP67, IK10



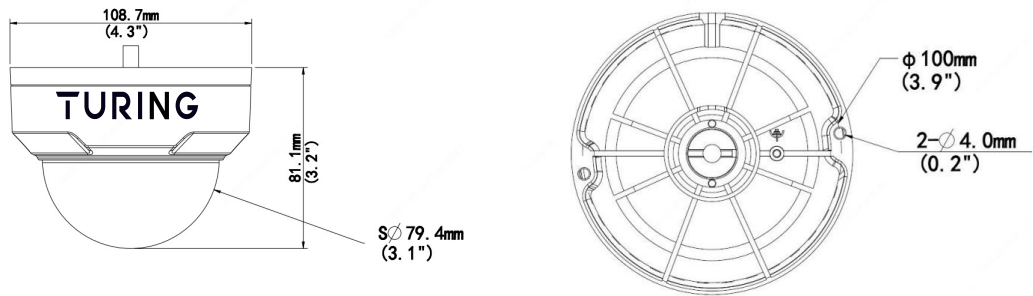
# SPECIFICATIONS

CAMERA	
Sensor	1/3", 4.0 megapixel, progressive scan, CMOS
Lens	2.8mm@F1.6 4.0mm@F1.6
Angle of View (H)	101.1° 83.7°
Angle of View (V)	55.3° 44.9°
Angle of View (O)	111.1° 89.2°
Adjustment angle	Pan: 3° ~ 360° Tilt: 0° ~ 68° Rotate: 3° ~ 360°
Shutter	Auto/Manual, 1 ~ 1/100000s
Minimum Illumination	Colour:0.003 Lux (F1.6, AGC ON) 0Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Digital Noise Reduction	2D/3D DNR
S/N	>56dB
IR Range	Up to 30m (98ft) 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
IMAGE	
Motion Detection	Up to 4 areas
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
De-warping	N/A
HLC	Supported
BLC	Supported

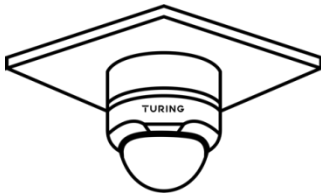
AUDIO	
Audio Compression	G.711
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8KHZ
STORAGE	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR
INTELLIGENCE	
Smart Intrusion Prevention	Cross line, intrusion, enter area detection
Compatible NVR	Turing SMART NVR: TR-MR(P) models
EVENTS	
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
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	Input: impedance 35kΩ; amplitude 2V [p-p] Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	1/1
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 4.5W
Dimensions (Ø x H)	Ø108.7 x 81.1mm (Ø4.3" x 3.2")
Net Weight	0.425kg (0.93lb)
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



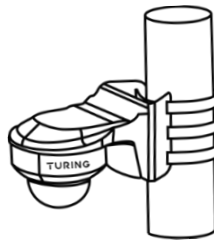
## DIMENSIONS



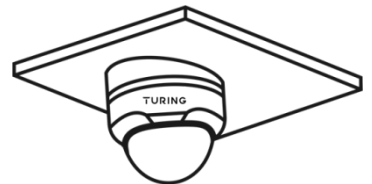
## MOUNTING



Junction Box: TP-EFDJB



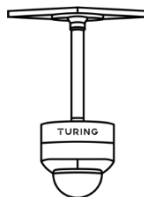
Pole Mount: TP-UDPM  
Wall Mount: TP-EFDWM  
WM w/ Junc. Box: TP-EFDWJ



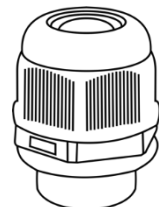
Tilted Mount: TP-EFDTM



Wall Mount: TP-EFDWM  
w/ Junction Box: TP-EFDWJ



Pendant Mount: TP-AIPMB  
Junction Box: TP-EFDJB  
Optional Extensions:  
TP-IPME2 (9") &  
TP-IPME5 (22")



Optional Cable Gland:  
TP-UWPJ

