

TN-K1612T44

ADVANTAGE Turret Camera Kit with



ADVANTAGE AI

- ADVANTAGE Intelligent IP Camera
- Detects People and Vehicles, to be managed by the NVR & Software*



ADVANTAGE MANAGEMENT CENTER

- Window-based server-client platform is for viewing and managing multiple sites**
- Advanced intelligence features supplement IP cameras' built-in analytics



ADVANTAGE VIEWER

- Provides easy P2P live view and playback on smartphones
- Compatible with Android and iOS devices



ADVANTAGE TOOLS

- Automatically discover all Turing ADVANTAGE devices on the same LAN
- Edit device parameters and upgrade on an easy-to-use user interface

*Activation depends on state regulations and compliance with Biometric Information Protection Act (BIPA)

**PC hardware not included



SPECIFICATIONS

12 IP Camera: TI-NED0428

(APPLIES TO ALL CAMERAS)

CAMERA	
IMAGE SENSOR	1/2.8", 4.0 megapixel, progressive scan, CMOS
LENS	2.8mm@F2.0
ANGLE OF VIEW (H)	97.4°
ADJUSTMENT ANGLE	Pan:0° ~ 360°, Tilt:0° ~ 90°, Rotate:0° ~ 360°
ELECTRONIC SHUTTER	Auto/Manual, 1/5 ~ 1/20000s
MINIMUM ILLUMINATION	Color: 0.003Lux (F1.2, AGC ON), 0Lux with IR
DAY/NIGHT	IR-cut filter with auto switch (ICR)
S/N RATIO	55dB
IR RANGE	Up to 30m (98.4ft) IR range
WIDE DYNAMIC RANGE	120 dB
VIDEO & AUDIO	
RESOLUTION & FRAME RATE	4MP Resolution Stream1: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30fps Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps
WHITE BALANCE	Auto
NOISE REDUCTION	2D/3D DNR
AUDIO COMPRESSION	G.711, RAW_PCM
AUDIO SAMPLING RATE	8kbps, 16kbps, 64kbps
VIDEO INTELLIGENCE	Line crossing detection, Intrusion detection, enter area detection, exit area detection, and face capture

INTERFACES	
NETWORK INTERFACE	1 Ethernet (10/100 Base-T) RJ-45 Connector
NETWORK PROTOCOLS	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP, TLS/SSL
3RD-PARTY COMPATIBILITY	ONVIF, SDK, CGI
SUPPORTED BROWSER	IE11, Chrome, Firefox, Microsoft Edge

CERTIFICATIONS	
CERTIFICATIONS	CE/FCC

GENERAL	
POWER REQUIREMENT	DC 12V, PoE (IEEE 802.3af)
POWER CONSUMPTION	Max 6.0 W
DIMENSIONS	φ118 × 103mm (φ4.65" × 4.06")
NET WEIGHT	0.5 kg (1.1 lb)
MATERIAL	Metal
WORKING ENVIRONMENT	-40°C ~ 55°C (-40°F ~ 131°F), Humidity: <90% RH
WATER PROTECTION	IP66

COMPATIBLE NVRS	
Turing Advantage NVR series, including TN-NRP042T, TN-NRP082T, TN-NRP084T and TN-NRP164T	



SPECIFICATIONS

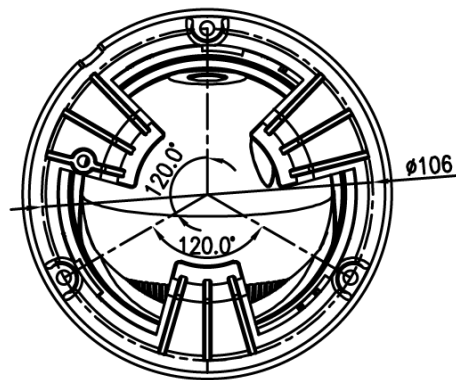
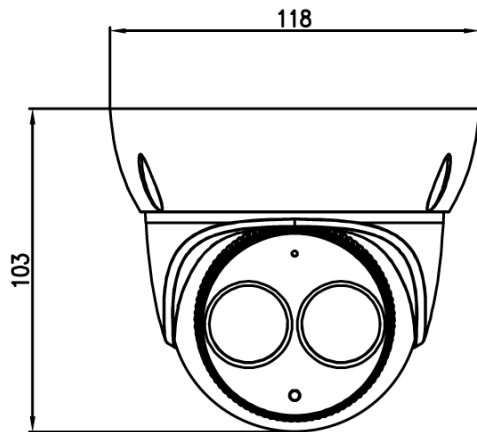
NVR: TN-NRP164T

Network	
Incoming Bandwidth	112 Mbps
Outgoing Bandwidth	112 Mbps
Remote Users	8
Protocols	HTTP, HTTPS, TCP/IP, IPv4, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, P2P, IP Filter, DDNS, 802.1X, SNMP, 3G/4G, PPPoE
VIDEO/AUDIO	
IP Video Input	16-ch
Two-way Audio Input	1-ch
HDMI/VGA Output	HDMI: 3840×2160, 1920×1080, 1440×900, 1280×1024 VGA: 1920×1080, 1440×900, 1280×1024
Recording Resolution	8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Audio Output	1-ch
Synchronous Playback	16/9/4/1
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Live View Playback	4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Capability	2 x 4k@30, 3 x 5MP@30, 4 x 4MP@30
Hard Disk	
SATA	2 SATA interface
Capacity	4TB HDD x1 pre-installed; 8TB max each HDD

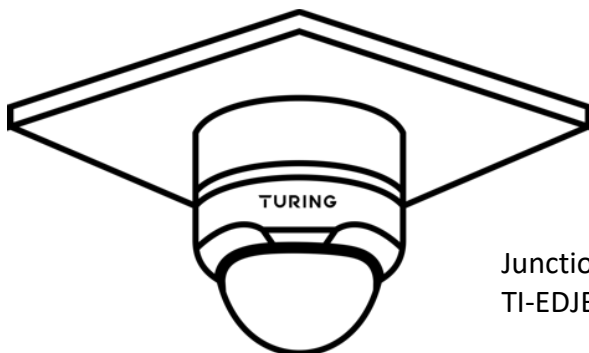
External Interface	
NETWORK INTERFACE	1 RJ45 10M/100M/1000M self-adaptive Ethernet Interface
USB Interface	3 x USB2.0
PoE	
Interface	1 RJ-45 port (10/100/1000 Mbps)
Max Power	32W total
Supported Standard	IEEE 802.3af/at
GENERAL	
Power Supply	AC 100 ~ 240V Power Consumption:<15 W (without HDD)
Working Environment	-10°C~+ 50°C (+14°F~+122°F), Humidity < 90% RH
DIMENSIONS	372 × 310.5 × 46.5 mm (16.65 × 12.2 × 2.2 inch)
NET WEIGHT	2.75 kg (6.05 lb) without HDD
COMPATIBILITY	
ONVIF	Supported
Recommended Turing Cameras	ADVANTAGE Series Only



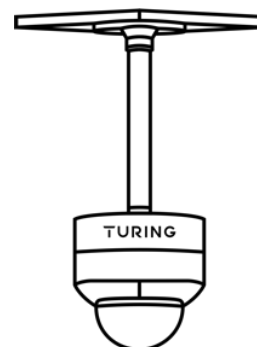
DIMENSIONS (mm)



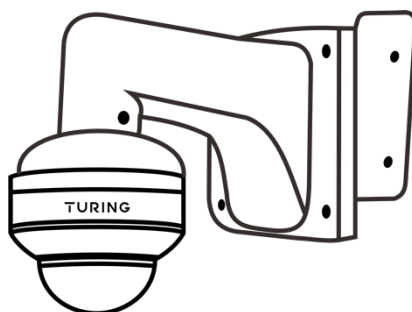
MOUNTING



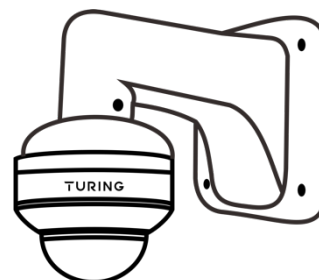
Junction Box:
TI-EDJB



Pole Mount: TI-ADPM
Pendant Cap: TI-EDPC

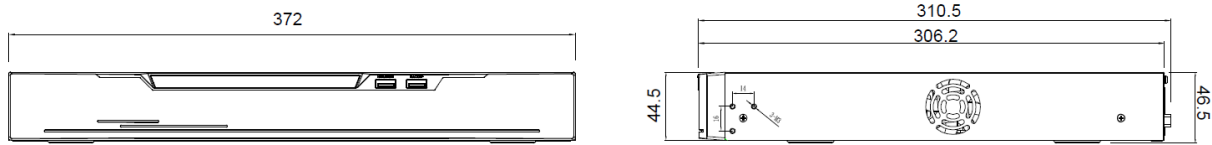


Wall Mount: TI-ADWM
Pendant Cap: TI-EDPC
Corner Mount: TI-ADCM



Wall Mount: TI-ADWM
Pendant Cap: TI-EDPC

DIMENSIONS (mm)



REAR PANEL

