

4MP 32X IR Network Turret Speed PTZ



TD-8743IE2N(PE/32M/AR30)



WDR



4MP



Starlight



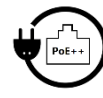
VCA



Smart tracking



Perimeter



PoE++



-40°C



IP67



300m



System:

TD-8743IE2N(PE/32M/AR30), is the 2nd generation of 7inch full metal AI PTZ camera which adopts a powerful 32x optical zoom lens, and latest image sensor, could deliver 2560x1440@30fps image details over a large open area.

Key Spec:

- **Double Low-night color performance**

TD-8743IE2N(PE/32M/AR30) adopts BSI and NIR++ sensor which is 2x times Q/E efficiency than last gen, lead to a better color night vision for most city and town scenarios.

- **Improve IR distance to 400m**

The Gen1 adopts 8pcs IR LEDs, each deliver about 700mW energy which is single layer thick film type; the Gen 2 adopts 10pcs IR elements, each adopt dual-layers thin film type, which could deliver about 2200mW energy. Thus improve the PTZ night vision distance greatly with affordable price.

- **Multiple Deep-learning VCA**

The built-in 1.5Tops AI engine could support multiple AI rules running at the same time: human/vehicle/no-motor classification, perimeter protection, face detection and capture, CPL, human/vehicles smart-tracking, etc.

- **Network safety and data privacy protection**

The gen2 removes hundreds of item network safety risk and comfort to GDPR and NDAA regulations.

- **ONVIF protocol, API**

This PTZ family conforms to the ONVIF, ensuring interoperability between surveillance video products regardless of manufacturers.

- **Strong protection for harsh weather**

The gen2 keep full-metal housing, IP67 water immersion and IK10 vandalism resistant which support long-time working harsh weather, such as windstorm, sea salty corrosion, desert and high-land strong sun radiation. Built-in 20Watt high power electric heater supports working under -40°C low temperature.

- **Rich accessories**

Various mounting brackets including junction box, 50Watt hi-power PoE Midspan or AC24V adaptor support flexible in-field wiring and mounting.

Application:

With strong protection, reliable performance and affordable price, this product is suitable for critical application of large range area intrusion, perimeter protection, such as airport, express way, parks, scenic spots, stations and venues, industrial park. Boundary scanning for criminals: illegal wild-animal hunting, crossing border, etc. Geological disaster pre-discovery: seaquake, mudflow, forest fire, etc.

Suggestion installation: at 6m to 15m in height.

SPECIFICATION:

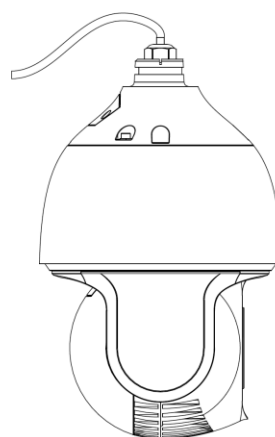
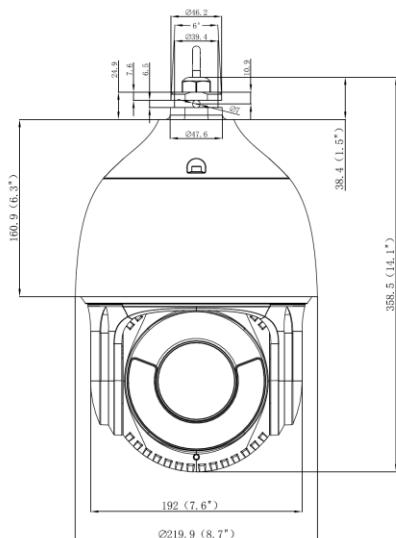
Camera Module					
Image Sensor	1/2.8" progressive scan CMOS image sensor, with BSI and NIR+				
Max Resolution	2560x1440				
Mini. Illumination	Color:0.01 Lux@ (F1.65, AGC ON); B/W:0.001 Lux@ (F1.65, AGC ON); 0Lux with IR				
Image Setting	Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client				
Shutter Speed	50Hz: 1/25s – 1/25,000s; 60Hz: 1/30s-1/30,000s				
White Balance	Auto/Manual/Indoor/Outdoor				
Gain Control	Auto/Manual				
Day & Night Control	Auto/Manual, time schedule.				
Iris Control	Auto/Manual				
SNR	≥52dB				
3D DNR	Auto/Manual				
AE Enhancement	BLC, HLC, WDR				
Digital Zoom	16X				
Electronical Stabilizer	N/A				
Optical Defog	N/A				
Privacy Mask	Up to 4 privacy masks				
Picture Overlay	Logo picture could be overlaid on video with 128x128pixels,24bits format				
OSD Overlay	Max 15 characters/line, 8 lines, white or red font color				
Lens					
Focus Length	f=4.8-154mm,32x optical zoom				
Zoom Speed	Approx. 4.4s				
Field of View	Horizontal: 59.38 °~ 2.28 °; Vertical: 35.74 °~ 1.29 °; Diagonal: 66.28 °~2.61 °;				
Object to Lens	wide: 1.0m ~ INF; tele: 1.5m ~ INF				
Aperture type	F1.65-F4.70(W-T), Hall-IRIS, Support auto/manual				
IR CUT Filter	Removable IRCUT filter				
DORI table	Focus length	Detect	Observe	Recognize	Identify
	f=4.8mm	106.6m(349.7f.t.)	42.3m(138.8 f.t.)	21.3m(69.9 f.t.)	10.7m(35 f.t.)
	f=154mm	2736m (8976 f.t.)	1085.7m(3562 f.t.)	547.2m(1795.3f.t.)	273.6m(897.6f.t.)
PTZ					
Pan Range	360 °endless				
Pan Speed	Configurable, from 0.1~240 °/s; Preset speed: 240 °/s				
Tilt Range	From -25 °to 155 °; auto flip at 90 °				
Tilt Speed	Configurable, from 0.1 ~180 °/s, Preset speed: 180 °/s				
Proportional Zoom	Yes				
Preset	360				
Cruise	8 cruises, up to 16 presets for each cruises				
Trace	4 traces, record time over 3 minutes for each trace				
Power off Memory	Support				
Action Mode	Preset/Cruise/Trace/Auto Scan/Random Scan				
3D Positioning	Support				
PTZ Position Display	Support				
Schedule Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot				
Supplement Light					
Light Distance	300m (984 f.t.)				
IR Type	8pcs IR LED and 2pcs IR VCSEL, 850nm				
Smart IR	Yes, support facial and ANPR priority				
Video					
Mainstream	50Hz/ 25fps: 2560×1440,1920×1080,1280×960,1280×720; 60Hz/ 30fps: 2560x1440,1920×1080,1280×960,1280×720				
Sub Stream	50Hz/ 25fps (704×576, 640 ×480, 352 ×288); 60Hz/ 30fps (704 ×480, 640 ×480, 352 ×240)				
Third Stream	50Hz/ 25fps (1920 ×1080, 1280 ×960, 1280 ×720, 704 ×576, 640 ×480, 352 ×288) 60Hz/ 30fps (1920 ×1080, 1280 ×960, 1280 ×720, 704 ×480, 640 ×480, 352 ×240)				

Video Compression	Smart H.265+/H.265/H.264+/H.264/MJPEG
H.264 Standard	H.264/AVC codec BP/MP/HP, Level 5.1
H.265 Standard	H.265/HEVC codec MP, level 5.0
Video Bit Rate	64 Kbps to 16Mbps
Audio	
Audio Compression	G.711 A/U
Audio Bit Rate	64K bps
Network	
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE, P2P, RTMP
User / Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
API	ONVIF G/S/T, support TVT SDK and third-party management platform
Client	TVT N9000 1.4.7, TVT NVMS 2.0; and the third-party client, free iOS and Android App
Web Browser	IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free
Event	
Basic Event	Motion detection, video tampering alarm, alarm input, alarm output, exception (Network disconnected, IP address conflict, SD full, SD error)
Smart Event	Line crossing detection, region entrance detection, object removal detection, intrusion detection, region exiting detection, audio exception detection
Smart Tracking	Manual/Auto-tracking of human/no-motor vehicle/motorized vehicle(ver5.1.1)
Alarm Linkage	Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.
Deep-learning Function	
Face Capture	Detecting multiple faces in the same scene. Support detecting, capturing, grading, and output the best.
Face Comparison	(Default off) Yes
Perimeter Protection	Line crossing, Intrusion, Region entrance, Region exiting. Support alarm triggering by specified type.
Road Traffic and Vehicle Detection	
Road Traffic	Support vehicle detection and tracking(ver5.1.1)
System Integration	
Alarm Interface	2 Alarm input (Dry contact); 2 Alarm output
Audio Interface	1 audio input, line level, 2.0-2.4Vpp, impedance 1KΩ; 1 audio output, line level, impedance,600Ω
Alarm Linkage	Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.
Network Interface	1 RJ45 10M/100M Adaptive Ethernet
SD Card Slot	One MicroSD slot and chamber, up to 256G
Built-in Speaker	N/A
RS485	Half-duplex, Pelco-P/D
BNC	N/A
Reset Button	Yes
Heater & Fan	Built-in electric fan for heat sink, Built-in electric heater for cold start.
Water Removal	Remove water-drops by quick spinning
Demist	Active electric heating and air loop to lens glass to removal the Frost and Fog
General	
Languages	Czech; English; German; Hungarian; Italian; Japanese; Korean; Portuguese; Polish; Russian; Romanian; Spanish; Spanish (Mexico); Simplified Chinese; Turkish; Traditional Chinese. Etc.
Power Supply	DC/AC24V3000mA ±25%, PoE++ (802.3.bt, class 6), avg 13.5watt, max 51Watt (IR 10Watt, Heater 10Watt)
Working Condition	-40 ℃~70 ℃ (-58 ℉ ~ 158 ℉), IR off; -40 ℃~55 ℃, IR on; Cold start>=- 40 ℃(1 hour waiting); 90%RH
Storage Condition	-40 ℃ ~ 70℃ ; ≤ 95% RH
Housing	Aluminum Alloy
Dim. &Weight	Φ 219.9mm x H 358.5mm(Φ 8.7inch × 14.1 inch), Net weight Approx. 6.0 Kg (13.22 lb.)
Approval	
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011+A1: 2014);
Certification	CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 62368-1:2014+A11:2017), BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU);Reach (Regulation (EC) No 1907/2006)
Protection	IP67(IEC 60529-2013), IK10 (IEC 62262:2002),6000V Lightning Protection, Surge Protection and Voltage Transient Protection

Ordering information:

TD-8743IE2N(PE/32M/AR30)	7inch 4MP 32X IR 300m Network Speed Turret PTZ Camera. NDAA compliant , IP67/IK10 ,include AC power adaptor, and wall mounting bracket
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Dimensions(mm/inch):



Accessories:



TD-YZJ0308
Wall mounting bracket



TD-YZJ0309
Pole mounting bracket



TD-YZJ0310
Corner Mounting bracket



TD-YZJ0807
Pendant mounting bracket



TD-YZJ0311
Wall mounting bracket
With junction box



TD-YZJ0312
Pole mounting bracket
with junction box



TD-YZJ0313
Corner mounting bracket
with junction box



TD-K23
PTZ control keyboard



AC24V/3A Power adaptor



DC24V/3A Power Adaptor



TD-B902
PoE++(60W) Midspan

*** All pictures and texts are for reference only. Actual product may vary due to product enhancement.**

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