TD-8543IE3N

5in Gen3 PTZ Series

5inch 4MP 25X/32X/40X IR PoE AI PTZ Dome Camera



TD-8543IE3N(PE/25M/AR30)
TD-8543IE3N(PE/32M/AR30)
TD-8543IE3N(PE/40M/AR35)
TD-8543IE3N(PE/40M/AR36)

HDR | 4MP | VCA | Smart tracking

Perimeter | PoE+ | IP67 | 300-350m

NDAA Compliant | ONVIF | RoHS CE FC

System:

TD-8543IE3N, the 3rd gen 5inch AI PTZ camera series, which adopts a high quality 25x, 32x or 40x optical zoom lens, and high computing AI human/vehicles from 2m to 873m/1086m/1429m separately in radius. When any of them intrude restricted area, the camera will trace, zoom fit in center of screen, snap and record and trigger alarms until object leave far away or time expire, greatly improving surveillance efficiency.

The 5inch Gen3 PTZ improves many aspects to further utilize AI capacity. The revised gimbal system is up to 330°/s, which can automatically track express objects. The rotation mechanics is enforced to endure over 10 million times for long-time heavy usage. The 3rd gen PTZ adopts black-ray image and new stacked IR technology, which filter all the intrusive lights and focusing on human and vehicles themselves, thus it could track and recognize human details within hundreds of meters, challenging the most complex environment, whatever it is bright sun-shrine or in pitch black, snowy or rainy, strong headlights of cars and streetlamps, etc.

With competitive price, excellent picture quality and strong protection, the camera could meet the demand of 7×24Hour working in harsh weather for professional surveillance market.

Key Spec:

- Ultra fast rotation and tracking speed and over 10millions of tracking life circles.
- Excellent low light performance
- Long IR supplement light distance
- 1.5Tops Deep-learning engine, support human/vehicles detection, auto-tracking
- IP67 Water immersion /true IK10 glass/6KV Surge protection,7x24H harsh weather
- Stable supply-chain, long product life circle
- Confirms to data protection regulations of major countries.

Application:

Wide range area intrusion, perimeter protection and alarm and smart tracking: such as airport, express way, parks, scenic spots, stations and venues, industrial park.

Suggestion installation: at 5-10m in height.

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SPECIFICATION:

Camera Module	**TD-8543IE3N(PE/25M/AR30)**	**TD-8543IE3N(PE/32M/AR30)**	**TD-8543IE3N(PE/40M/ARxx),xx=35,36**
Image sensor	1/2.7" progressive scan CMOS image sensor, BSI and NIR++		
Max resolution	2560x1440		
Mini. Illumination	0 Lux with IR	0 Lux with IR	Color： B/W： 0 Lux with IR
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client		
Shutter Speed			
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		
EIS	N/A		
Privacy Mask	4mask. (Ver 5.1.3 update:24 programmable polygon privacy masks, color or mosaic configurable)		
Picture overlay	Logo picture could be overlaid on video with 128×128pixels, 24bits format		
OSD overlay	Max 15 characters/line, 8 lines, white or red font color		
Lens	**TD-8543IE3N(PE/25M/AR30)**	**TD-8543IE3N(PE/32M/AR30)**	**TD-8543IE3N(PE/40M/ARxx),xx=35,36**
Focus length	f=4.8-120mm, 25x optical zoom	f=4.8-154mm, 32x optical zoom	f=4.5-180mm, 40x optical zoom
Zoom Speed	Approx. 3.6s	Approx. 4.4s	Approx. 5.2s
Field of View (W-T, ±5%)	Horizontal: 57.6 °~ 2.5 ° Vertical: 34.4 °~ 1.4 ° Diagonal: 64.5 °~2.9 °	Horizontal: 59.38 °~ 2.28 ° Vertical: 35.74 °~ 1.29 ° Diagonal: 66.28 °~2.61 °	Horizontal: 59.1 °~1.8 ° Vertical: 38.4 °~ 1.1 ° Diagonal: 6.9 °~ 2.1 °
Image distance	Wide: 1.0m ~ INF; tele: 1.5m ~ INF		
Aperture Range	F1.55~F3.8(W-T)	F1.65-F4.70(W-T)	F1.2-F3.5(W-T)
Iris Type	HALL_IRIS		
IRCut type	Removable IRCF, absorbing type	Removable IRCF, reflection type	Removable IRCF, absorbing type

DORI table	Focus length	f=4.8mm	f=120mm	f=4.8mm	f=154mm	f=4.5mm	f=180mm
	Detect	106.6m(349.7f.t.)	2200m (7218 f.t.)	106.6m(349.7f.t.)	2736m (8976 f.t.)	99.6m(326.8 f.t.)	3600m(8126.6f.t.)
	Observe	42.3m(138.8 f.t.)	873m (2864.3 f.t.)	42.3m(138.8 f.t.)	1085.7m(3562 f.t.)	39.5m(129.7 f.t.)	1429m (3250.7 f.t.)
	Recognize	21.3m(69.9 f.t.)	440m (1443.6 f.t.)	21.3m(69.9 f.t.)	547.2m(1795.3f.t.)	19.9m(65.4 f.t.)	720m(1625.3f.t.)
	Identify	10.7m(35 f.t.)	220m (721.8 f.t.)	10.7m(35 f.t.)	273.6m(897.6f.t.)	10m(32.7 f.t.)	360m (812.7 f.t.)

PTZ			
Pan Range	360 °endless		
Pan speed	Configurable, from 0.1~360 °/s; Preset speed: 330 °/s		
Tilt Range	Mechanical: -25 °to 155 °, auto flip at 90 °		
Tilt Speed	Configurable, from 0.1 °~210 °/s, Preset speed: 180 °/s		
Proportional Zoom	Yes		
Preset	360		
Cruise	8 cruises, up to 16 presets (ver5.1.3 update:32presets) for each cruises		
Trace	4 traces, record time over 3 minutes(ver5.1.3 update: 10minutes) for each trace		
Power off memory	Support		
Action mode	Preset/Cruise/Trace/Auto Scan/Random Scan		
3D Positioning	Support		
PTZ status display	Support		
Schedule Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot		
IR	**TD-8543IE3N(PE/25M/AR30)**	**TD-8543IE3N(PE/32M/AR30)**	**TD-8543IE3N(PE/40M/ARxx),xx=35,36**
IR Distance	300m (984.3 f.t.)	300m (984.3 f.t.)	350m (1312.3 f.t.)
IR type	8pcs of 4W 855nm IR Array,4groups		

Smart IR	Yes		
Network			
Mainstream	50Hz/25fps: 2560 ×1440, 1920×1080, 1280×960, 1280×720 60Hz/30fps: 2560 ×1440, 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	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 compression	G.711 A/U		
Audio Bit Rate	64K bps		
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, 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		
Smart Features			
Basic event	Motion detection, Video tampering alarm, Exception (Network disconnected, IP address conflict, SD full, SD error)		
Face recognition	TD-8543IE3N(PE/40M/AR35): No Face comparison algorithm, not recommend for new customers. Other 3 models: (default off, open per request) Face detection, capturing, comparison. Max 15 faces per scene		
Road traffic	Vehicle detecting and tracking(ver5.1.1)		
Smart Detection	Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection		
Smart Tracking	support smart tracking of human or vehicle, auto/manual		
System Integration			
Alarm Interface	1 Alarm input (Dry contact); 1 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, Support PoE+		
SD Card Slot	One MicroSD slot and chamber, up to 256G		
Built-in Speaker& Mic	N/A		
RS485	N/A		
BNC	N/A		
Reset button	Yes		
Heater &Fan	Yes		
Water removal	Remove water-drops by quick spinning		
Demist	Active electric heating and air loop		
General	**TD-8543IE3N(PE/25M/AR30)**	**TD-8543IE3N(PE/32M/AR30)**	**TD-8543IE3N(PE/40M/ARxx),xx=35,36**
languages	Czech; English, German, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Romanian, Spanish, Spanish (Mexico), Simplified Chinese, Turkish, Traditional Chinese		
Power supply	AC24V ±25% 3000mA, DC24V ±25%2500mA		
	PoE+ (802.3.at), avg. 12W, max 24W, include IR 8W	PoE+ (802.3.at), avg. 12W, max 24W, including IR 8W	PoE+ (802.3.at), avg. 12W, max 24W, including IR 8W
Working condition	-40 ℃ ~ 65 ℃ (-40 ℉ ~ 149 ℉), IR off; -40 ℃ ~ 45 ℃, IR on; Cold start at - 30 ℃; 90%RH		
Storage condition	-40 ℃ ~ 70 ℃; ≤ 95% RH		
Protection	6000V Lightning Protection, Surge Protection and Voltage Transient Protection		
Shield Material	Aluminum Alloy (ADC12); Polymer(PC+GF15%)		
Dimensions	Φ 197mm × 302mm (Φ7.8 inch ×11.9 inch)		
Net Weight	Approx. 2.8 Kg (6.17 lb.)	Approx. 2.82 Kg (6.22 lb.)	Approx. 2.9 Kg (6.4 lb.)
Certification	IP67, IK10, ROHS, CE, FC, KC, BIS, UKCA		

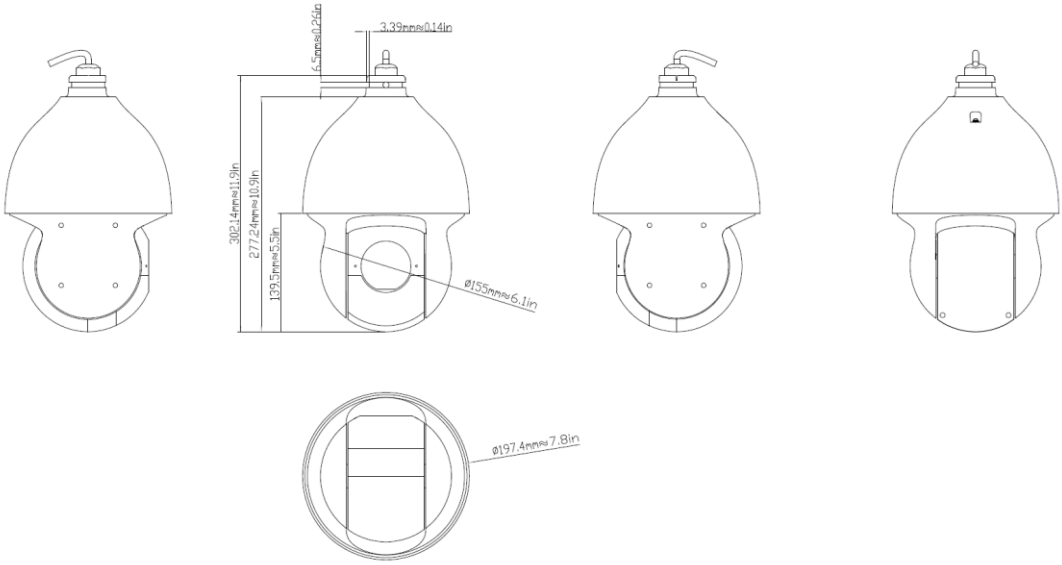
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Ordering information:

TD-8543IE3N(PE/25M/AR30)	4MP 25X IR 300m PoE Network AI NDAA 5inch Speed PTZ Camera, IP67/IK10,AC24V/DC24V/PoE+,not include power adaptor &bracket
TD-8543IE3N(PE/32M/AR30)	4MP 32X IR 300m PoE Network AI NDAA 5inch Speed PTZ Camera, IP67/IK10, AC24V/DC24V/PoE+,not include power adaptor &bracket
TD-8543IE3N(PE/40M/AR35)	4MP 40X IR 350m PoE Network AI NDAA 5inch Speed PTZ Camera, IP67/IK10, AC24V/DC24V/PoE+,not include power adaptor &bracket.(No face algorithm,No recommend for new customers)
TD-8543IE3N(PE/40M/AR36)	4MP 40X IR 350m PoE Network AI NDAA 5inch Speed PTZ Camera, IP67/IK10, AC24V/DC24V/PoE+,not include power adaptor &bracket

Dimensions(mm/inch):



Accessories



TD-YZJ0321
Wall mounting bracket



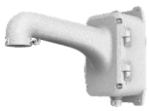
TD-YZJ0321+TD-YZJ0501
Pole mounting bracket



TD-YZJ0321+TD-YZJ0601
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 Keyboard



DC24V/2.5A power adaptor



AC24V/3A Power adaptor



TD-B901
PoE+ (30W) Midspan

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

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