TD-8443IS2N AI PTZ

25X 4MP IR Network Smart PTZ



TD-8443IS2N (PE/25M/AR15)

TD-8443IS2N (PE/25M/AR16)

4MP H.265 VCA Smart tracking

Perimeter PoE+ IP66 150m

System

TD-8443IS2N(PE/25M/AR1x) PTZ camera which adopts 5MP BSI+NIR images sensor, with high quality 25x

H.265 video compression reduces bit rate down to 50% of H.264 without loss. With its built-in 1.5Tops AI engine, the PTZ camera could detect and classify max 15 objects per scene. When any of them intrude restricted area, the PTZ camera will trace, zoom fit in center of screen, snap and record and trigger alert. The gimbal rotation speed is improved for tracing fast object. The IR brightness is enhanced 200%, which improves night vision distance above 150m. This PTZ conforms to the ONVIF specifications ensuring interoperability between network video products regardless of manufacturers, and also complies with NDAA 2019. The TD-84x3IS2N series PTZ has enhanced body material, built-in turbo fan and heater and is designed for 7/24H work in outdoor weather. This series has also added alarm and audio interface, etc. With excellent picture quality and good protection, the camera could meet the demand of small size of surveillance application.

Key Spec:

- BSI+NIR progressive scan CMOS
- Up to 2560x1440 resolution
- Mini illumination:

  0 Lux with IR
- 25x optical zoom, Accurate and fast focusing
- WDR, 3D DNR, Smart IR 150m
- Smart H.265+/H.265/H.264+/H.264
- Intelligent Video content analytics
- Smart tracking of human/vehicle

  Smart detection and perimeter protection
- ONVIF, API and SDK
- PoE+ and DC12V
- IP66,-40°C~60°C, ADC12 & PC/GF

Application:

Wide range area intrusion, perimeter protection and alarm, such as parks, scenic spots, stations and venues, industrial park.

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SPECIFICATION:

Camera Module	**TD-8443IS2N(PE/25M/AR15)**		**TD-8443IS2N(PE/25M/AR16)**	
Image sensor	1/2.5”BSI+NIR progressive scan CMOS		1/2.7”BSI+NIR progressive scan CMOS	
Pixel size	2.2um		2.0um	
Effective Pixels				
Mini. Illumination				
Image setting				
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			
Privacy Mask	4 areas, up to 4 mask in the same frame			
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits BMP format			
OSD overlay	Max 15 characters/line, 8 lines, white or red font color			
Lens				
Focus length	f=4.8-120mm lens,25x optical zoom			
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)			
Field of View	Horizontal: 55° ~2.4°±5%; Vertical: 33° ~ 1.4°±5%; Diagonal: 61.5° ~ 2.8°±5% (wide-tele)			
Working distance	Wide: 1.0m ~ INF; tele: 1.5m ~ INF			
Aperture Range	F1.65 ~ F3.8 (wide-tele)			
Iris type	Auto DC-IRIS, 16 Stops			
IRCut type	Removable IRCut filter			
DORI distance	Detect(25px/m)	Observe(63px/m)	Recognize(125px/m)	Identify(250px/m)
	2400m(7874 f.t.)	952m(3124 f.t.)	480m(1772 f.t.)	240m(787 f.t.)
PTZ				
Pan Range	360°endless			
Pan speed	Configurable, from 0.1~200°/s; Preset speed: 240°/s			
Tilt Range	From -5° to 90°,auto flip			
Tilt Speed	Configurable, from 0.1°~ 200°/s, Preset speed: 240°/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			
IR				
IR Distance	150m (492 f.t.)		160m(525 f.t.)	
Smart IR	Yes			
Network				
Max Resolution	2560x1440 (16:9 aspect ratio,			
Main stream	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.264+/H.264/MJPEG			

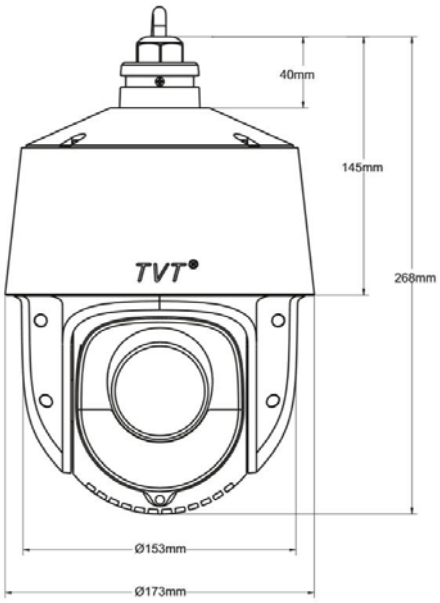
H.264 Standard	H.264/AVC codec BP/MP/HP, Level 5.1
H.265 Standard	H.265/HEVC codec MP, level 5.0
Video Bit Rate	64Kbps to 8Mbps
Audio compression	G.711 A/U
Audio Bit Rate	64K bps
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP,DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE
Simultaneous live view	Up to 6 channels
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
Smart Features	
Basic event	Motion detection, Video tampering alarm, Exception(Network disconnected, IP address conflict, SD full, SD error)
Face recognize	Detecting max 15 faces at same scene. Detecting, tracking, capturing
Road traffic	Vehicle detecting and tracking
Smart Detection	Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, etc.
Smart Tracking	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(MIC in); 1 audio output, line level, impedance,600Ω
Alarm Linkage	Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Upload to FTP/Memory Card, Send Email, etc.
Network Interface	1 RJ45 10M/100M Adaptive Ethernet ,Support PoE+(802.3.at,class 6)
SD Card Slot	One MicroSD slot, up to 256G
RS 485	N/A
BNC	N/A
Speaker	N/A
Reset button	Yes
Heater	Yes
Fan	Yes
Water removal	Remove water-drops by quick spinning
API	ONVIF, support TVT SDK and third-party management platform
Client	TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client
Web Browser	IE8-11
General	
Culture	16 languages: Czech; English, German ; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese.
Power Supply	DC12V±25%,3000mA ,PoE+ (802.3.at, class 3), max 23W include IR ON+PTZ working
Working condition	-40°C ~ 60°C (-40°F ~ 140°F), Cold start at - 30°C(30minutes waiting); 90%RH
Storage condition	-40°C ~ 70°C ; ≤ 95% RH
Protection	IP66, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy + Plastic/GF15%
Dimensions	Φ 173mm × 268mm (Φ6.8 inch × 10.5 inch)
Weight	Approx. 2.1 Kg (4.63 lb.)
Certification	IP66,IK10(excluding glass window),ROHS,CE,FC

Ordering information

TD-8443IS2N(PE/25M/AR15) TD-8443IS2N(PE/25M/AR16)	4MP 25X Starlight IR 150m/160m Network 4-inch Smart PTZ Camera, IP66,-40℃~60℃,DC12V/PoE+ (power adaptor and bracket are not included)

TD-8443IS2N AI PTZ

Dimensions:



Accessories(optional):



TD-YZJ0808
Wall mounting bracket



TD-YZJ0808+TD-YZJ0501
Pole mounting bracket



TD-YZJ0808+TD-YZJ0601
Corner mounting bracket



TD-YZJ0807
Pendant mounting bracket



TD-YZJ0305
Wall mounting bracket



TD-YZJ0305+YZJ0501
Pole mounting bracket



TD-YZJ0305+YZJ0601
Corner mounting bracket



DC12V 3A
Power adaptor



LAS30-57CN-RJ45
PoE+(30W) Midspan



ONV-POE31004PL
PoE+(30W) Switch



TD-K23
PTZ Keyboard

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

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