

5inch 8MP 32X IR PoE AI PTZ Dome Camera



TD-8583IE3N(PE/32M/AR20)



HDR



Perimeter



8MP



PoE++



VCA



IP67



Smart tracking



200m



System:

TD-8583IE3N, the 3rd gen 5inch AI PTZ camera series, which adopts a high quality 32x optical zoom lens, and high computing AI SOC, could deliver excellent 3840x2160@30fps image details over a wide-open area. The PTZ camera can detect max 17 objects per scene and classify human/vehicles from 2m to 1624m 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 disappeared, greatly improving surveillance efficiency.

The 5inch Gen3 PTZ improves many aspects to further utilize AI capacity. The revised gimbal system is up to 360 °s, which could automatically track express fast large objects at 300km/h within several miles distance. 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 7x24Hour working in harsh weather for professional surveillance market.

Key Spec:

- Ultra fast rotation and tracking speed and over 10millions of tracking life circles.
- Superior 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.

SPECIFICATION:

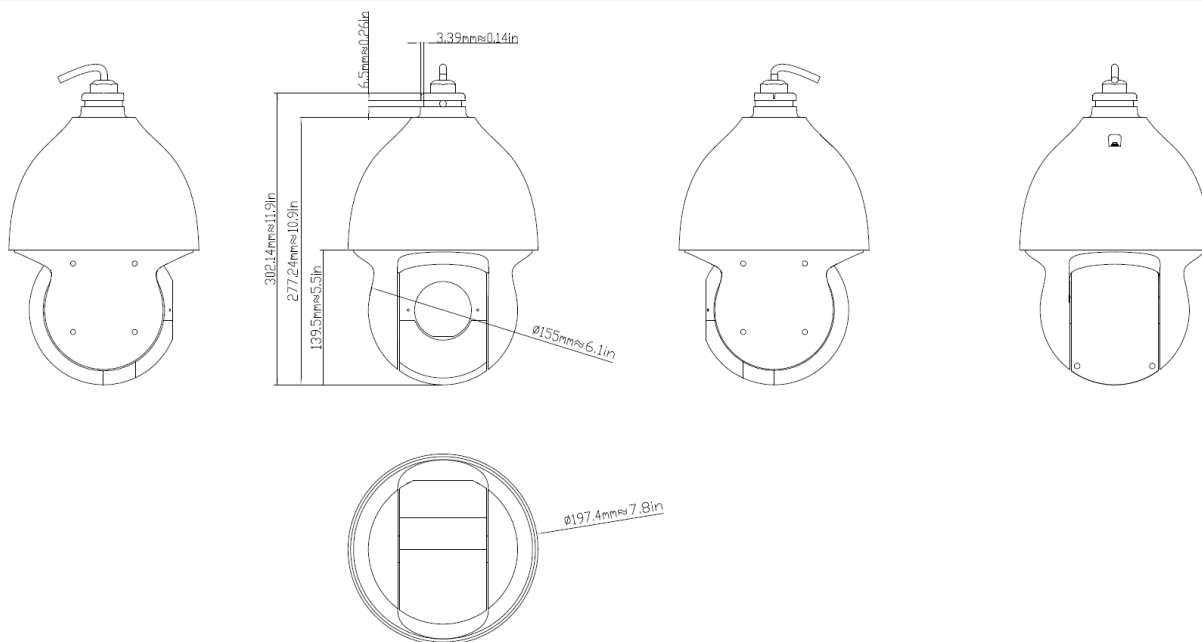
| Camera Module | | | |
|---------------------|--------------|--|----------------------|
| Image sensor | | 1/2.8" progressive scan CMOS image sensor (SONY IMX715) | |
| Max resolution | | 3840×2160 | |
| Mini. Illumination | | Color: 0.01 Lux @ (F1.3,AGC ON); B/W:0.002 Lux @(F1.3, AGC ON); 0 Lux with IR | |
| Image setting | | Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client | |
| Shutter Speed | | 60Hz: 1/30s – 1/30,000s; 50Hz: 1/25s~1/25,000s | |
| 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 | |
| EIS | | N/A | |
| Privacy Mask | | 4 mask areas (ver5.1.1) | |
| 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. 4.6s (optical zoom, wide-tele) | |
| Field of View | | Horizontal: 61.3 °~2.18 °; Vertical: 36.9 °~ 1.22 °; Diagonal: 68.4 °~ 2.5 °(wide-tele) ±5% | |
| Image distance | | Wide: 1.0m ~ INF; tele: 1.5m ~ INF | |
| Aperture Type | | F1.3~F4.8(W-T), HALL_IRIS | |
| IRCut type | | Removable IRCF, reflection type | |
| DORI table | Focus length | f=4.8mm | f=154mm |
| | Detect | 143.4m(326.8 f.t.) | 4093.8m(8126.6f.t.) |
| | Observe | 56.9m(129.7 f.t.) | 1624.5m(3250.7 f.t.) |
| | Recognize | 28.7m(65.4 f.t.) | 818.8m(1625.3f.t.) |
| | Identify | 14.3m(32.7 f.t.) | 409.4m(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 for each cruise (ver5.1.1) | |
| Trace | | 4 traces, record time over 3 minutes for each trace(ver5.1.) | |
| 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 | | | |
| IR Distance | | 200m (656 f.t.) | |
| IR type | | 8pcs of 5W 855nm IR Array, 4groups | |
| Smart IR | | Yes | |
| Network | | | |
| Mainstream | | 50Hz/25fps: 3840×2160, 2560×1440, 1920×1080, 1280×960, 1280×720 60Hz/30fps: 3840×2160, 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 | Face detection, capturing (Default off, open per request) face comparison. Max 15 faces at the same times | |
| Road traffic | Vehicle detecting and tracking | |
| 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 | |
| Electric Heater &Fan | Yes | |
| Water removal | Remove water-drops by quick spinning | |
| Demist | Active electric heating and air loop | |
| General | | |
| languages | Czech; English, German, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Romanian, Spanish, Spanish (Mexico), Simplified Chinese, Turkish, Traditional Chinese | |
| Power | Power consumption | avg. 14W, max 29W, including IR 10W |
| | Power adaptor | AC24V ±25%/3000mA, DC24V ±25%2500mA |
| | Power over ethernet | PoE++ (802.3.bt,class 6) midspan, network switch, router or high power NVR |
| 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. 2.82 Kg (6.22 lb.) | |
| Certification | IP67, IK10, ROHS, CE, FC, KC, BIS, UKCA | |

Ordering information:

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|--------------------------|--|
| TD-8583IE3N(PE/32M/AR20) | 8MP 32X IR 200m PoE++ Network AI NDAA 5inch Speed PTZ Camera, IP67/IK10, AC24V,DC24V or PoE++, not include power adaptor & bracket |
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Dimensions(mm/inch):



Accessories(optional):



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-B902
PoE++ (60W) Midspan

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