

8MP 32X 200m IR Network Smart PTZ



TD-8583IE2N (PE/32M/AR20)



8MP



H.265



WDR



Smart tracking



VCA



Perimeter



PoE++



IP66



System

TD-8583IE2N(PE/32M/AR20) PTZ camera which adopts SONY latest images sensor, with powerful 32x optical zoom lens, could deliver ultra-high definitions 4K(3840x2160@30fps) image over a wide open area. The 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 could detect and classify max 15 objects per scene. When any of them intrude restricted areas, the PTZ camera will trace, zoom fit in center of screen, snap and record and trigger alert. The rotation speed of gimbals is improved for tracing fast object. The IR brightness is enhanced 200%, with F1.2 large aperture, which improves night vision distance beyond 200m. This PTZ conforms to the ONVIF specifications ensuring interoperability between network video products regardless of manufacturers, and also complies with NDAA 2019. The PTZ has built-in turbo fan and heater, suitable for 7/24H work in outdoor weather.

Key Spec:

- 1/2.8" SONY progressive scan CMOS
- Up to 3840x2160 resolution
- Mini illumination:
Color: 0.01 lux @ (F1.2 AGC ON)
0 Lux with IR
- 32x optical zoom, Accurate and fast focusing
- HDR, 3D DNR, Smart IR
- IR distance beyond 200m
- 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++, DC24V, AC24V power self-adaptive
- IP66, -40°C~65°C, Aluminum Alloy & Plastic

Application:

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

SPECIFICATION:

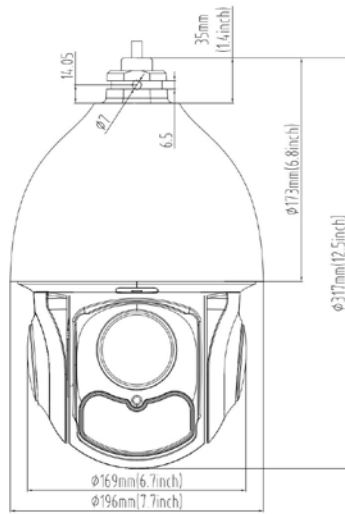
Camera Module					
Image sensor	1/2.8" SONY latest progressive scan CMOS				
Mini. Illumination	Color: 0.01Lux @ (F1.2, AGC ON); B/W: 0.002Lux @ (F1.2, AGC ON); 0Lux with IR				
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client				
Shutter Speed	50Hz: 1/25 s ~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	4areas, up to 8areas per request.				
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=4.8-154mm lens, 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%				
Working distance	wide: 1.0m ~ INF; tele: 1.5m ~ INF				
Iris	F1.2 ~ F4.4 (wide-tele)				
IRCut type	Removable IRCut filter				
DORI distance	Class	Detect(25px/m)	Observe(63px/m)	Recognize(125px/m)	Identify(250px/m)
	f=4.8mm	138m(453.5f.t.)	54.76m(179.66f.t.)	27.7m(90.7 f.t.)	13.8m(45.35f.t.)
	f=154mm	3528m(11575 f.t.)	1400m(4593 f.t.)	700m(2296f.t.)	350m(1148f.t.)
PTZ					
Pan Range	360°endless				
Pan speed	Configurable, from 0.5~120°/s; Preset speed: 150°/s				
Tilt Range	From -5° to 90°, auto flip				
Tilt Speed	Configurable, from 0.5°~ 120°/s, Preset speed: 150°/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	200m (656 f.t.) , dual stack 850nm IR Array				
Smart IR	Yes				
Network					
Max Resolution	3840x2160				
Main stream	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, DHCP, PPPoE
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 exitance detection, etc. More VCA per request
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, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.
Network Interface	1 RJ45 10M/100M Adaptive Ethernet ,Support PoE++(802.3.bt)
SD Card	On-body MicroSD chamber, up to 256G
RS 485	N/A
BNC	N/A
Speaker &Mic	N/A
Reset button	Yes
Heater	Yes
Fan	Yes
Water removal	Hot air blow to lens glass to remove frost, ice; 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	
languages	Czech; English, German ; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese.
Power Supply	DC24V/AC 24V ±25%, PoE++ (802.3.Bt), max 34W include IR ON + PTZ working
Working condition	-40°C ~ 65°C (-40°F ~ 149°F);Cold start at - 30°C(0.5Hour warming up); ≤90%RH no-condensing
Storage condition	-40°C ~ 70°C ; ≤95% RH
Protection	6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Shield Material	Main body: Aluminum Alloy; Decoration: Plastic
Dimensions	Φ196mm × 317mm (7.7 inch Φ × 12.5 inch)
Net Weight	Approx. 3.7 Kg (8.31 lb.)
Certification	IP66,IK10(excluding glass window),ROHS,CE,FC

Ordering information

TD-8583IE2N (PE/32M/AR20)	8MP 32X Starlight IR 200m Smart-tracking Network PTZ Camera, IP66, -40°C~65°C,DC24V/ AC24V/PoE++,not include power adaptor and bracket
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Dimensions:



mm/inch

Accessories(optional):



TD-YZJ0808
Wall mounting bracket



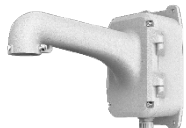
TD-YZJ0808+TD-YZJ0501
Pole mounting bracket



TD-YZJ0808+TD-YZJ0601
Corner mounting bracket



TD-YZJ0807
Pendant mounting bracket



TD-YZJ0311
Wall mounting bracket w junction box



TD-YZJ0312
Pole mounting bracket w junction box



TD-YZJ0313
Corner mounting bracket w junction box



TD-YZJ0305
Wall mounting bracket
(Obsoleted)



TD-YZJ0305+YZJ0501
Pole mounting bracket
(Obsoleted)



TD-YZJ0305+YZJ0601
Corner mounting bracket
(Obsoleted)



ONV-POE34064PFM
60Watt PoE++ Network switch



FJ-SW20172402500
DC24V/2.5A adapter



LAS60-57CN-RJ45
60Watt PoE++ Midspan



MKAC-66-243000
AC24V/3A Power adaptor



TD-K23
PTZ control Keyboard

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

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