TITANIUM

25X 8MP 150m IR Network Smart

4K UHD	**H.265**	VCA	Smart tracking
8MP	H.265	VCA	Smart tracking
Perimeter	PoE	IP66	IR
Perimeter	PoE+	IP66	150m

NDAA Compliant ONVIF RoHS CE FC

IP-5PT8ISN27-25X-2

System

Titanium IP-5PT8ISN27-25X-2 PTZ which adopt SONY latest 4K images
sensor, with high quality 25x optical zoom lens, could deliver top-notch 3840x2160@30fps image details over a wide open area. 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. IP-5PT8ISN27-25X-2 PTZ have enhanced body material, built-in turbo fan and heater for 7/24H work in outdoor weather, This series has also added alarm and audio interface, etc. IP-5PT8ISN27-25X-2 is a minor improved version comparing TD-8483IS2N, it has true IK10 certification including lens cover, and adapt the latest components and thus available in longer supply period.   With excellent picture quality and good protection, the PTZ could meet the demand of small size of surveillance application. Comparing

Key Spec:

- 1/2.8″ SONY progressive scan CMOS
- Up to 3840x2160 resolution
- Mini illumination:
    Color: 0.01 lux @ (F1.65 AGC ON)
    0 Lux with IR
- 25x optical zoom, 16x digital zoom
- HDR, 3D DNR, Smart IR 150m

- Smart 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℃~60℃, ADC12 & PC/GF

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
Max resolution	3840x2160
Mini. Illumination	Color：0.01Lux @ (F1.65, AGC ON)；B/W：0.002Lux @(F1.65，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	4 areas, up to 8 mask 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=4.8-120mm lens,25x optical zoom			
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)			
Field of View	Horizontal: 57.6°~2.4°; Vertical: 33.4°~ 1.4°; Diagonal: 64.5°~ 2.9°(wide-tele) ±5%			
Working distance	Wide: 1.0m ~ INF; tele: 1.5m ~ INF			
Iris Range	F1.65 ~ F3.8 (wide-tele)			
IRCut type	Removable IRCUT filter			
DORI distance	Focus length	detect(25px/m)	Observe(63px/m)	Recognize(125px/m)	Identify(250px/m)
	f=4.8mm	138.2m	54.84m	27.64m	13.82m
	f=120mm	3034m	1297m	606.9m	303.4m

PTZ	
Pan Range	360°endless
Pan speed	Configurable, from 0.1~200°/s; Preset speed: 240°/s
Tilt Range	From -10°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.) ,dual stack IR LED array, 6pcs into 3groups
Smart IR	Yes

Network	
Main stream	50Hz: 3840 ×2160,2560 ×1440,1920 ×1080,1280 ×960,1280 ×720 @25fps 60Hz: 3840 ×2160,2560 ×1440,1920 ×1080,1280 ×960,1280 ×720 @30fps
Sub stream	50Hz: (704 ×576, 640 ×480, 352 ×288) @25fps; 60Hz: (704 ×480, 640 ×480, 352 ×240) @30fps
Third　Stream	50Hz:(1920 ×1080, 1280 ×960, 1280 ×720, 704 ×576, 640 ×480, 352 ×288) @25fps 60Hz:(1920 ×1080, 1280 ×960, 1280 ×720, 704 ×480, 640 ×480, 352 ×240) @30fps
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 15-17 faces at same scene. Detecting. Default off: recognition, and comparing
Road traffic	Vehicle detecting and tracking
Smart Detection	Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting 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, Track, 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 Micro SD 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 Titanium SDK and third-party management platform
Client	Titanium N9000 1.4.5, Titanium NVMS 2.0; and the third-party client, free iOS/Android APP
Web Browser	IE8-11,Safari,Chrome

General	**TD-8483IS2N(PE/25M/AR15)**	**TD-8483IS3N(PE/25M/AR15)**
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 24W include IR ON+PTZ working	
Working condition	-40 ℃ ~ 60 ℃ (-40 ℉ ~ 140 ℉), Cold start at - 30 ℃(0.5Hour waiting); 90%RH	
Storage condition	-40 ℃ ~ 70℃ ; ≤ 95% RH	
Protection	IP66, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	
Material	Aluminum Alloy + Polymer (Plastic with glass fiber 15%)	
Dimensions	Φ 173mm × 268mm (6.8 inch Φ × 10.55 inch)	
Weight	Approx. 2.1 Kg (4.63 lb.)	
Certification	IP66,IK10(excluding glass window),ROHS,CE,FC	IP66,IK10 (including glass window),ROHS,CE,FC
Supply period	Feb 4th, 2021 to Dec 31th,2023	June 4th, 2023 to Jan 31th,2028

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40mm

145mm

268mm

Ø153mm

Ø173mm