

8MP 150m IR Smart PTZ Network Camera



MODEL **TI-NPT2508ST-AN-2**



KEY FEATURES

- 1/2.8" SONY CMOS Sensor
- Up to 8MP (3840×2160) 4K Resolution
- 25X Optical Zoom + 16X Digital Zoom
- AI VCA: Human/Vehicle Detection & Smart Tracking
- Smart IR Night Vision up to 150m (492 ft)
- HDR, 3D DNR
- Smart H.265 / H.264+ / H.264 Compression
- ONVIF, API and SDK Support
- PoE+ and DC12V Power
- IP66 Outdoor Rating, -40°C to 60°C Operating Temp
- Lightning Protection 6000V
- Micro SD Card Slot (up to 256GB)

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SPECIFICATIONS

Model	TI-NPT2508ST-AN-2				
Camera					
Image sensor	1/2.8" SONY CMOS				
Max resolution	3840 x 2160				
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				
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				
Protocol	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				

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Model	TI-NPT2508ST-AN-2
PTZ	
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+

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System Integration	
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	
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°F ~ 140°F (-40°C ~ 60°C), Cold start at -22°F (- 30°C)(0.5Hour waiting); 90%RH
Storage condition	-40°F ~ 158°F(-40°C ~ 70°C) ; ≤ 95% RH
Protection	IP66, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy + Polymer (Plastic with glass fiber 15%)
Dimensions	6.8 inch Φ × 10.55 inch (Φ 173mm × 268mm)
Weight	Approx. 4.63 lb. (2.1 Kg)
Certification	IP66,IK10(excluding glass window),ROHS,CE,FC
Supply period	Feb 4th, 2021 to Dec 31th,2023

DIMENSIONS

