



SN-TPT4231LZ/M (III)

Bispectral PTZ Network Camera



Key Features

- Uncooled VOx Micro bolometer with 400×300 resolution
- NETD Sensitivity $\leq 40\text{mK}$
- 25/50 mm motorized focus thermal lens optional
- Support 3 temperature measurement rule types (spot, line, area)
- 17 color control
- DVE image enhance
- Reliable temperature-anomaly alarm
- 1 RJ45 port with 2 IP addresses
- Power off self-locking, strong wind resistance
- Anti-frozen, IP66

Specification

Thermal Camera	
Image Sensor	Uncooled VOx Focal Plane Arrays
Resolution	Sensor is 400x300. Image can be scaled up to 704x576
Pixel Pitch	17 um
Thermal Sensitivity (NETD)	≤ 40 mK
Spectral Range	8 ~ 14 um
Image Setting	Brightness, Sharpness, Contrast, Mirror, FFC control, 2D/3D DNR
Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes

Thermal Lens		
Lens Type	Fixed	
Focus Control	Motorized Focus	
Focal Length	25 mm	50mm
F No.	F1.0	F1.0
Angle of View	H:15.4°, V:11.6°	H: 7.7°, V:5.8°
Detection Distance (Fire: 1*1m)	735 m	1471m
Detection Distance (Humans: 1.8*0.5m)	735 m	1471m
Detection Distance (Vehicles: 4*1.5m)	2255 m	4510m
Recognition Distance (Humans: 1.8*0.5m)	184 m	368m
Recognition Distance (Vehicles: 4*1.5m)	564 m	1127m

Visible Camera	
Image Sensor	1/2.8" Sony CMOS
Max. Resolution	2592 (H)x1520 (V)
Shutter Speed	1/5 ~ 1/20,000s
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux
S/N Ratio	More than 55 dB
Focal Length	5.3 ~ 159mm
Max Aperture	F1.6 ~ F4.3
Angle of View	H: 55° ~ 2.3°, V: 41.6° ~ 1.7°
Optical Zoom	30x
Focus Control	Auto/Manual/Semi-automatic
Mirror	Support
Defog	Support
Privacy Masking	Support

PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: +90° ~ -90°
Pan/Tilt Speed	Pan: 0.01° ~ 60°/s, Tilt: 0.01° ~ 30°/s
Preset Speed	Pan: 0.01° ~ 60°/s, Tilt: 0.01° ~ 30°/s
Presets	400
PTZ Mode	8 Auto Scan, 12 Tour, 6 Track
Speed Setup	Auto/Manual (0-8)
Power Off Memory	Support
Idle Motion	Activate Preset/ Scan/Tour/Pattern if there is no command in the specified period

Video and Audio	
Main Stream	Visible: 2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720 @25/30fps Thermal: 704x576 @25/30fps
Sub Stream	Visible: D1, VGA, 640x360, CIF, QCIF, QVGA @25/30fps Thermal: CIF @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Visible: Main stream: 100Kbps~16Mbps, Sub stream: 10Kbps~6Kbps Thermal: Main stream: 100Kbps~6Mbps, Sub stream: 10Kbps~1.5Mbps
Region of Interest	Off/On (8 Zone, Rectangle)
Audio Compression	G711: 8kbps, RAW_PCM: 16kbps

Smart Function	
Smart Alarm	Motion detection, Disk alarm, I/O alarm, Temperature detection and alarm
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Object left, Object removed

Temperature Detection	
Temperature Detection	3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (spot, areas, line).
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C / ±2%
Response Time	≤ 30ms
Temperature Range	-20°C ~ 150°C (-4°F ~ 302°F)

Network	
Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP ,802.1x
Interoperability	ONVIF, CGI, SDK
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian

Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	2ch Audio In,2ch Audio Out
Alarm	9ch Alarm In,4ch Alarm Out
RS485	Support
BNC Output	Support
Reset Button	Support (Built-in)
SD Card Slot	Built-in, up to 128GB

General	
Power Supply	DC36V
Power Consumption	Max 80 W
Working Temperature	-40°C~-60°C (-40°F~-140°F)
Storage Conditions	0 ~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	282x419x316mm (11.1 x 16.5 x 12.44 inch)
Net Weight	16.5Kg (Contains 25 mm lens) (36.8 lb)

Dimensions (mm)

