

SN-TPT4233ZZ-M

Thermal & Optical Dual-Spectrum PTZ Camera



Key Features

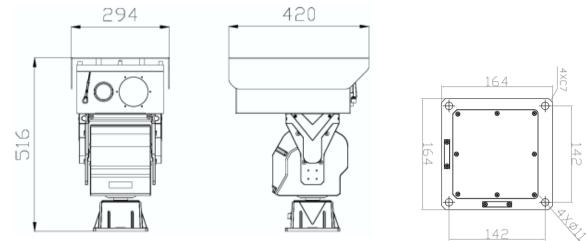
- Uncooled VOx thermal sensor with 400×300 resolution
- Sensitivity ≤40mK
- 75/100 mm motorized focus thermal lens, 37x optical zoom module
- Support human/vehicle detection and fire point detection
- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting, enter area, leave area
- Support temperature monitoring and alarm
- Support 3 temperature measurement rule types (spot, line, area)
- Temperature measurement range: -20°C ~ 150°C (-4°F ~ 302°F)
- Power off self-locking, strong wind resistance
- Anti-frozen, IP66

Specification

Thermal Camera		
Image Sensor	Uncooled VOx Focal Plane Arrays 400×300	
Resolution	Sensor is 400×300. Image can be scaled up to 704×576	
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	75mm	100mm
F No.	F1.0	F1.0
Angle of View	H: 5.1°, V:3.8°	H: 3.8°, V:2.3°
Detection Distance (Fire: 1*1m)	2206m	2941m
Detection Distance (Humans: 1.8*0.5m)	2206m	2941m
Detection Distance (Vehicles: 4*1.5m)	6765m	9020m
Recognition Distance (Humans: 1.8*0.5m)	551m	735m
Recognition Distance (Vehicles: 4*1.5m)	1691m	2255m
Optical Camera		
Image Sensor	1/2" Sony CMOS	
Effective Resolution	1920 (H)×1080 (V)	
Shutter Speed	1/5 ~ 1/20,000s	
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.1 Lux	
S/N Ratio	More than 55 dB	
Focal Length	6~ 222mm	
Max Aperture	F1.5 ~ F4.3	
Angle of View	H: 58.4° ~ 2.1°	
Optical Zoom	37x	
Focus Control	Auto/Manual/Semi-automatic	
Mirror	Support	
Defog	Support	
Privacy Masking	Support	
PTZ	- * * * * * * * * * * * * * * * * * * *	
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: +40° ~ -75°	
Pan/Tilt Speed	Pan: 0.01° ~ 60°/s, Tilt: 0.01° ~ 30°/s	
Wiper	Support	
Preset Accuracy	± 0.2°	
Presets		
Scan	400 8 scape up to 22 presets per scap	
Patrol	8 scans, up to 32 presets per scan	
Track	12 patrols, up to 32 presets per scan	
	6 tracks	
3D Positioning	Support Auto/Manual (0-8)	
Speed Setup	Support	
Power Off Memory	Activate Preset/ Scan/Tour/Pattern if there is no	
Idle Motion	command in the specified period	

Main StreamThermai: CF 425/30/ps Optical: 1920x1080, 1280x720 425/30/psSub StreamCSF3/00psSub StreamCSF3/00psBit Rate ControlCBR/VBRBit RateCBR/VBRBit RateOptical: main stream: 100Kbps-12Mbps, Sub stream: 10Kbps-6MbpsRegion of InterestOft/On (8 Zone, Rectangle)Audio CompressionC.711 (8kbps), RAW_PCM (16kbps)Smart AlarmMolion detection, Disk alarm, I/O alarm, Temperature detection and alarmSmart DetectionSupport human/vehicle detection and fire point detection, Single line crossing, Double line crossing, Support human/vehicle detection and fire point detection, Single line crossing, Double line crossing, Support numar/vehicle detection and fire point detection, and alarmSmart Detection3 temperature measurement rule types, 20 rules in trotal, 1 full screen, 19 others (spot, areas, line).Temperature Detection3 temperature alarm, Temperature difference alarmAccuracy±20° L 150°C (44°F to 302°F), -20°	Video and Audio		
Optical: 1920x1080, 1280x720 @25/30ps Sub Stream Optical: D1, VGA, 640x360, CIF, QCIF, QVGA @25/30ps Bit Rate Control CBR/VBR Bit Rate Optical: main stream:: 100Kbps-61Mbps Optical: main stream:: 100Kbps-12Mbps, sub stream:: 10Kbps-6Mbps Region of Interest Off/On (8 Zone, Rectangle) Audio Compression G.711 (8kbps), RAW_PCM (16kbps) Smart Function Support human/vehicle detection and fire point detection. Smart Alarm Motion detection, Disk alarm, 1/O alarm, Temperature detection. Intrusion, Single line crossing, Double line crossing, Lutering, Wrong-way, Enter area, Leave area Support human/vehicle detection and fire point detection. Intrusion, Single line crossing, Double line crossing, Lutering, Wrong-way, Enter area, Leave area Support alarm triggering by specified target types (human and vehicle), People Counting Temperature Detection 3 temperature measurement rule types, 20 rules in total. 1 full screem. 19 others (spot, areas, line). Temperature Range -20°C to 150°C (-4°F to 302°F), -20°C to 550°C (-4°F to 302°F), -20°C to 550°C (-4°F to 1022°F) Customizable Network Eresponse Time -30°C to 550°C (-4°F to 302°F), -20°C to 550°C (-4°F to 1022°F) Customizable Network Eref	Main Stream	·	
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Temperature Range-20°C to 550°C (-4°F to 1022°F) CustomizableNetworkProtocolsIPV4/IPV6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1xInteroperabilityONVIF, CGI, SDKMax. User Access10 UsersWeb Viewer <ie11, chrome,="" edge<="" firefox,="" microsoft="" th="">Web LanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, HungarianInterface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface2 Cch Audio In,2ch Audio OutAlarm Interface9 ch Alarm In,4ch Alarm OutRS485SupportCVBS OutputSupportSb Card SlotBuilt-in, up to 256GBGeneralUC36VPower ConsumptionMax 100 WWorking Temperature-40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 ~ 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions294 x420 x516 mm (11.57 x 16.54 x 20.31 inch)</ie11,>	Response Time		
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Web LanguageRussian, French, Czech, HungarianInterfaceNetwork Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface2ch Audio In,2ch Audio OutAlarm Interface9ch Alarm In,4ch Alarm OutRS485SupportCVBS OutputSupportReset ButtonSupport(Built-in)SD Card SlotBuilt-in, up to 256GBGeneralPower SupplyPower SupplyDC36VPower ConsumptionMax 100 WWorking Temperature-40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 ~ 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions294 x420 x516 mm (11.57 x 16.54 x 20.31 inch)	Web Viewer		
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GeneralPower SupplyDC36VPower ConsumptionMax 100 WWorking Temperature-40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 ~ 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions294 x420 x516 mm (11.57 x 16.54 x 20.31 inch)	Reset Button	Support(Built-in)	
Power SupplyDC36VPower ConsumptionMax 100 WWorking Temperature-40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 ~ 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions294 x420 x516 mm (11.57 x 16.54 x 20.31 inch)	SD Card Slot	Built-in, up to 256GB	
Power Consumption Max 100 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 294 x420 x516 mm (11.57 x 16.54 x 20.31 inch)	General		
Working Temperature-40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 ~ 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions294 ×420 ×516 mm (11.57 × 16.54 × 20.31 inch)	Power Supply	DC36V	
Storage Conditions 0 ~ 90% RH Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 294 x420 x516 mm (11.57 x 16.54 x 20.31 inch)	Power Consumption	Max 100 W	
Certifications CE /FCC Ingress Protection IP66 Casing Metal Dimensions 294 x420 x516 mm (11.57 x 16.54 x 20.31 inch)	Working Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	
Ingress Protection IP66 Casing Metal Dimensions 294 ×420 ×516 mm (11.57 × 16.54 × 20.31 inch)	Storage Conditions	0 ~ 90% RH	
Casing Metal Dimensions 294 ×420 ×516 mm (11.57 × 16.54 × 20.31 inch)	Certifications	CE /FCC	
Dimensions 294 ×420 ×516 mm (11.57 × 16.54 × 20.31 inch)	Ingress Protection	IP66	
	Casing	Metal	
Net Weight 25 kg (55.12 lb)	Dimensions	294 ×420 ×516 mm (11.57 × 16.54 × 20.31 inch)	
	Net Weight	25 kg (55.12 lb)	

Dimensions (mm)



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