

SN-TPC4203AT-M

Motorized Focus Box Network Thermal Camera



Key Features

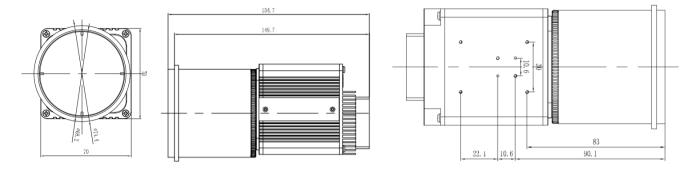
- Uncooled VOx Micro bolometer with 400x300 resolution
- 25/50/75/100 mm motorized lens optional
- Sensitivity ≤40mK
- Support temperature monitoring exception alarm
- Support 3 temperature measurement rule types (spot, line, area)
- Temperature measurement range: -20°C ~ 150°C (-4°F ~ 302°F)
- Support human and vehicle detection
- Smart detection: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting, enter area, leave area
- DVE image enhance

Specification

Thermal Camera				
Detector Type	Uncooled IRFPA Microbolometer			
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			
Lens Type	Fixed			
Focus Control	Motorized Focus			
Focal Length	25 mm	50 mm	75 mm	100 mm
F No.	F1.0	F1.0	F1.0	F1.0
Angle of View	H:15.4°, V:11.6°	H: 7.7°, V:5.8°	H: 5.1°, V:3.8°	H: 3.8°, V:2.3°
Detection Distance (Fire: 1m×1m)	735 m	1471 m	2206 m	2941 m
Detection Distance (Humans: 1.8×0.5m)	735 m	1471 m	2206 m	2941 m
Detection Distance (Vehicles: 4×1.5m)	2255 m	4510 m	6765 m	9020 m
Recognition Distance (Humans: 1.8×0.5m)	184 m	368 m	551 m	735 m
Recognition Distance (Vehicles 4×1.5m)	564 m	1127 m	1691 m	2255 m
Video and Audio				
Main Stream	704×576 @ 25/30fps			
Sub Stream	CIF @ 25/30fps			
Bit Rate Control	CBR/VBR			
Bit Rate	Main stream: 100Kbps ~ 6Mbps Sub stream: 10Kbps ~ 1.5Mbps			
Region of Interest	Off / On (8 Zone, Rectangle)			
Smart Encode	Support			
Audio Compression	G.711: 8kbps, RAW_PCM: 16kbps			
Image				
Image Setting	Brightness, Sharpness, Contrast			
Mirror	Support			
Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes			
DVE Image Enhance	Support			
Noise Reduction	2D/3D DNR			
Privacy Masking	Support			
Smart Function				
Smart Alarm	Motion detection, Disk alarm, I/O alarm, IVS alarm, Temperature detection & alarm			
Al Multi-object	Support human and vehicle detection			
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of people/vehicles), People counting			

Temperature Detection Stemperature Detection 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) Temperature display mode Temperature display mode Network Protocols IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x Interoperability ONVIF, CGI, SDK Max. User Access Web Viewer - IE11, Chrome, Firefox Russian, French, Czech, Hungarian Interface Network Interface Network Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector Audio Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector Alarm Interface 2 ch input, 1ch output RS485 Support Reset Button Support SD Card Slot Support, up to 256GB General Power Supply DC12V ±10% Power Consumption Max 5 W Working Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Conditions CE /FCC Ingress Protection N/A Casing Metal Dimensions 154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch) Net Weight 0.7 kg (1.54 lb) with 50 mm lens	Temperature Detection			
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Temperature target >5°C, Display absolute temperature value, Temperature target ≤5°C, Display relative temperature value, Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average) Network Protocols IPv4/IPv6, HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x Interoperability ONVIF, CGI, SDK Max. User Access 10 Users Web Viewer <ie11, (-40°f="" (10="" (6.09="" -40°c="" 0~90%="" 1="" 100="" 140°f)="" 154.7="" 1ch="" 2.76="" 256gb="" 2ch="" 5="" 60°c="" 70="" a="" alarm="" audio="" base-t)="" card="" casing="" ce="" certifications="" ch="" chinese,="" chrome,="" conditions="" connector="" consumption="" czech,="" dc12v="" dimensions="" english,="" ethernet="" fcc="" firefox="" french,="" general="" hungarian="" inch)="" ingress="" input,="" interface="" italian,="" language="" max="" metal="" mm="" n="" output="" polish,="" portuguese,="" power="" protection="" rh="" rj-45="" rs485="" russian,="" sd="" slot="" spanish.="" storage="" supply="" support="" support,="" td="" temperature="" to="" up="" w="" web="" working="" ="" <="" ~="" ±10%="" ×=""><td>Response Time</td><td>≤ 30ms</td></ie11,>	Response Time	≤ 30ms		
Temperature display mode Value, Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average) Network Protocols IPv4/IPv6, HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x Interoperability ONVIF, CGI, SDK Max. User Access 10 Users Veb Viewer <ie11, (-40°f="" (10="" (6.09="" -40°c="" 1="" 100="" 140°f)="" 154.7="" 1ch="" 2="" 2.76="" 256gb="" 5="" 60°c="" 70="" a="" audio="" base-t)="" button="" card="" casing="" ce="" ch="" chinese,="" chrome,="" conditions="" connector="" consumption="" czech,="" dc12v="" dimensions="" english,="" ethernet="" fcc="" firefox="" french,="" general="" hungarian="" inch)<="" ingress="" input,="" interface="" italian,="" max="" metal="" mm="" n="" network="" output="" polish,="" portuguese,="" power="" protection="" reset="" rj-45="" rs485="" russian,="" sd="" slot="" spanish.="" storage="" supply="" support="" support,="" td="" temperature="" to="" up="" w="" working="" ~="" ±10%="" ×=""><td>Temperature Range</td><td>-20°C ~ 150°C (-4°F ~ 302°F)</td></ie11,>	Temperature Range	-20°C ~ 150°C (-4°F ~ 302°F)		
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Max. User Access Web Viewer <pre> <pre></pre></pre>	Protocols			
Web Viewer <ie11, a="" 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 1 1 Ch input, 1 Ch output Alarm Interface 2 Ch input, 2 Ch output RS485 Support Reset Button Support SD Card Slot Support, up to 256GB General Power Supply DC12V ±10% Power Consumption Max 5 W Working Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Conditions 0~ 90% RH Certifications CE /FCC Ingress Protection N/A Casing Metal Dimensions 154.7 x 70 x 70 mm (6.09 x 2.76 x 2.76 inch)</ie11,>	Interoperability	ONVIF, CGI, SDK		
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Interface Network Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector Audio Interface 1 ch input, 1ch output Alarm Interface 2 ch input, 2ch output RS485 Support Reset Button Support SD Card Slot Support, up to 256GB General Power Supply DC12V ±10% Power Consumption Max 5 W Working Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Conditions CE /FCC Ingress Protection N/A Casing Metal Dimensions 154.7 x 70 x 70 mm (6.09 x 2.76 x 2.76 inch)	Web Viewer	<ie11, chrome,="" firefox<="" td=""></ie11,>		
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Alarm Interface 2ch input, 2ch output RS485 Support Reset Button Support SD Card Slot Support, up to 256GB General Power Supply DC12V ±10% Power Consumption Max 5 W Working Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Conditions 0~ 90% RH Certifications CE /FCC Ingress Protection N/A Casing Metal Dimensions 154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch)	Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector		
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Reset Button Support SD Card Slot Support, up to 256GB General Power Supply DC12V ±10% Power Consumption Max 5 W Working Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Conditions 0~ 90% RH Certifications CE /FCC Ingress Protection N/A Casing Metal Dimensions 154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch)	Alarm Interface	2ch input, 2ch output		
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Storage Conditions 0~ 90% RH Certifications CE /FCC Ingress Protection N/A Casing Metal Dimensions 154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch)	Power Consumption	Max 5 W		
Certifications CE /FCC Ingress Protection N/A Casing Metal Dimensions 154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch)	Working Temperature	-40°C ~ 60°C (-40°F ~ 140°F)		
Ingress Protection N/A Casing Metal Dimensions 154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch)	Storage Conditions	0~ 90% RH		
Casing Metal Dimensions 154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch)	Certifications	CE /FCC		
Dimensions 154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch)	Ingress Protection	N/A		
	Casing	Metal		
Net Weight 0.7 kg (1.54 lb) with 50 mm lens	Dimensions	154.7 × 70 × 70 mm (6.09 × 2.76 × 2.76 inch)		
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Dimensions (mm)



Accessories

Optional: