



SN-TPC4201AT/M (III)

Motorized Focus Thermal Network Box Camera



Key Features

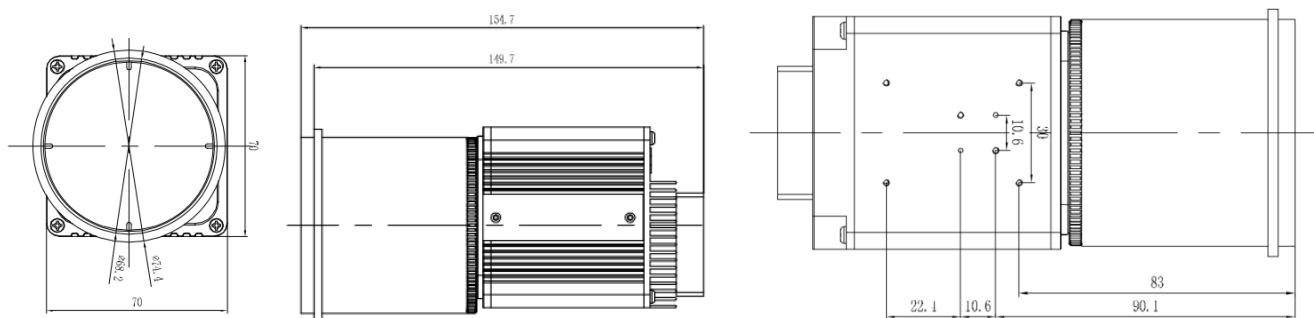
- Uncooled VOx Micro bolometer with 400×300 resolution
- Sensitivity $\leq 40\text{mK}$
- 25/50/75/100 mm motorized lens optional
- Support temperature monitoring and exception alarm
- Support 3 temperature measurement rule types (spot, line, area)
- Temperature measurement range: $-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$ ($-4^{\circ}\text{F} \sim 302^{\circ}\text{F}$)
- Intelligent analysis: intrusion, single line crossing, double line crossing, object left, object removed
- DVE image enhance

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			
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	704x576 @ 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 Functions	Motion detection, Disk alarm, I/O alarm, Temperature detection & 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)
Temperature display mode	Temperature target >5°C, Display absolute 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, 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	1ch input, 1ch output
Alarm Interface	2ch input, 2ch output
RS485	Support
CVBS Interface	BNC, 75 ohm
Reset Button	Support
SD Card Slot	Support, up to 128GB
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)
Net Weight	0.7 kg (1.54 lb) with 50 mm lens

Dimensions (mm)



Accessories

Optional: