



SN-TPC4201AT/F (III)

Thermal Network Box Camera



Key Features

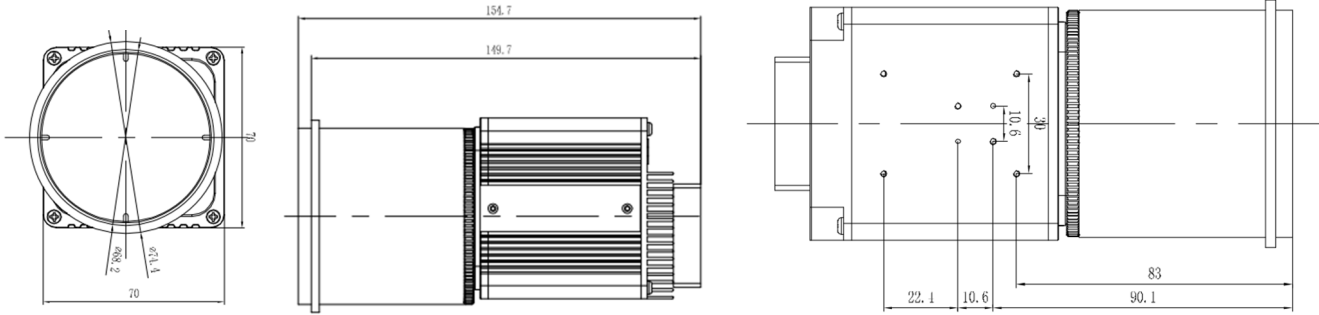
- Uncooled VOx Micro bolometer with 400×300 resolution
- Sensitivity $\leq 40\text{mK}$
- 8/15/25/35/50 mm fixed lens optional
- Support temperature monitoring and exception alarm
- Support 3 temperature measurement rule types (spot, line, area)
- Temperature measurement range: $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 302^{\circ}\text{F}$)
- 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 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	Manual Focus				
Focal Length	8 mm	15 mm	25 mm	35 mm	50 mm
F No.	F1.0	F1.0	F1.0	F1.0	F1.0
Angle of View	H: 46°, V:35.3°	H:25.5°, V:19.2°	H:15.4°, V:11.6°	H: 11°, V:9°	H: 7.7°, V:5.8°
Detection Distance Fire(1×1m)	235 m	441 m	735 m	1029 m	1471 m
Detection Distance Man(1.8×0.5m)	235 m	441 m	735 m	1029 m	1471 m
Detection Distance Vehicle(4×1.5m)	722 m	1353 m	2255 m	3137 m	4510 m
Recognition Distance Man(1.8×0.5m)	59 m	110 m	184 m	257 m	368 m
Recognition Distance Vehicle(4×1.5m)	180 m	338 m	564 m	789 m	1127 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 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	Support 3 temperature measurement rule types (Spot, Line, Area)
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C / ±2%
Response Time	≤ 30ms
Theory of temperature measurement range	-40°C ~ 150°C (-40°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, Microsoft Edge
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: