SN-TPC6406VT-F

Fixed Mount Thermal Network Camera



Key Features

- Uncooled VOx Micro bolometer with 640×512 resolution
- 9/15/25/35/50 mm fixed lens optional
- Sensitivity ≤40mK
- Support temperature monitoring and abnormity alarm
- Support humanoid/vehicle detection, fire point detection, ship detection
- Smart events: intrusion, single line crossing, double line crossing, loitering, wrong way, enter area, leave area
- Support 3 temperature measurement rule types (spot, line, area)
- Temperature measurement range: -20°C ~ 150°C (-4°F ~ 302°F)

Specification

Thermal Camera					
Detector Type	VOx Uncooled Focal Plane Arrays				
Resolution	Sensor is 640×512. Image can be scaled up to 1280×1024				
Pixel Pitch	12μm				
Response Waveband	8-14μm				
Thermal Sensitivity (NETD)	≤ 40 mK				
Lens Type	Fixed focal length				
Focus Control	Free focus				
Focal Length	9 mm	15 mm	25 mm	35 mm	50 mm
F No.	F1.0	F1.0	F1.0	F1.0	F1.0
Field of View	H: 48°, V:38°	H:29°, V:23°	H:17°, V:14°	H: 12°, V:10°	H: 8°, V:7°
Min. Focusing Distance	1.73 m	3.79 m	13 m	25.49 m	52.3 m
Detection Distance (Fire: 1m×1m)	375 m	625 m	1042 m	1458 m	2083 m
Detection Distance (Humans: 1.8×0.5m)	375 m	624 m	1040 m	1456 m	2081 m
Detection Distance (Vehicles: 4×1.5m)	1150 m	1917 m	3194 m	4472 m	6389 m
Recognition Distance (Humans: 1.8×0.5m)	94 m	156 m	260 m	364 m	520 m
Recognition Distance (Vehicles 4×1.5m)	288 m	479 m	799 m	1118 m	1597 m

Video and Audio	
Main Stream	1280×1024, 1280×720, 640×512 @ 25/30fps
Sub Stream	D1, CIF @ 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Main stream: 100Kbps ~ 8Mbps Sub stream: 100Kbps ~ 6Mbps
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
Smart Detection	Support human/vehicle detection, fire point detection, ship detection
Smart Events	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

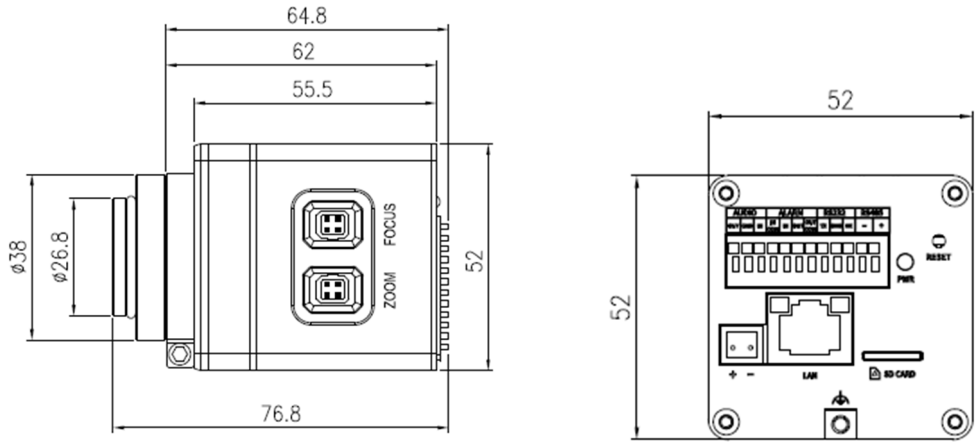
Temperature Detection	
Temperature Detection	Support 3 temperature measurement rule types (Point, Line, Area)
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2℃ / ±2%
Response Time	≤ 30ms
Temperature Measurement Range	-20°C ~ 150°C (-4°F ~ 302°F)

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 Audio In,1ch Audio Out
Alarm Interface	1ch Alarm In,1ch Alarm Out
Control Interface	1ch RS485, 1ch RS232
Reset Button	Support
SD Card Slot	Built-in, up to 256GB

General	
Power Supply	DC12V ±25%
Power Consumption	Max 3.6 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	64.8× 52 × 52 mm (2.55× 2.05 × 2.05 inch) without lens
Net Weight	0.2 kg (0.44 lb) without lens

Dimensions (mm)



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