SN-TPT4233QF-F

Bispectral Mini PTZ Network Camera



Key Features

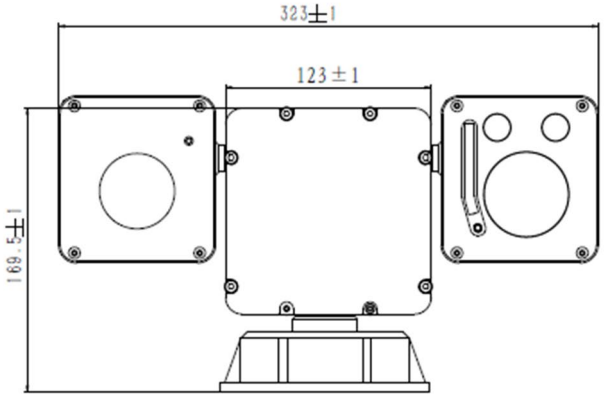
- Uncooled VOx Micro bolometer with 400×300 resolution
- Sensitivity ≤40mK
- 8/15/25 mm manual focus thermal lens optional
- Support 3 temperature measurement rule types (spot, line, area)
- Reliable temperature-anomaly alarm
- Support human and vehicle detection
- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong way, enter area, leave area
- Temperature measurement range: -20°C ~ 150°C (-4°F ~ 302°F)

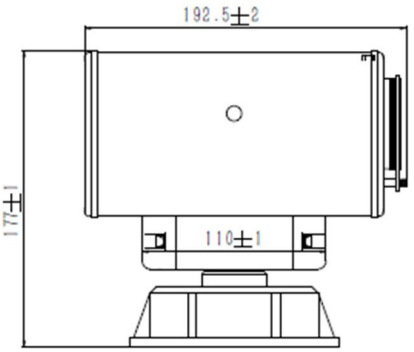
Specification

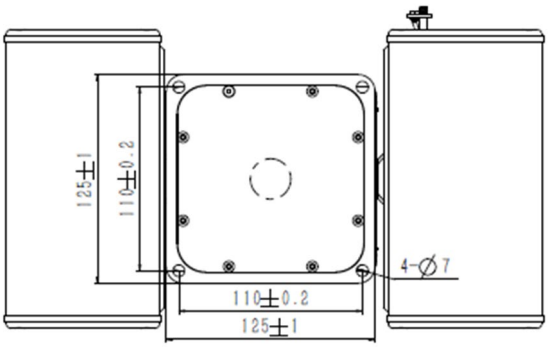
Thermal Camera			
Image Sensor	Uncooled VOx Focal Plane Arrays 400×300		
Resolution	Sensor is 400×300. Image can be scaled up to 704×576		
Pixel Pitch	17 um		
Thermal Sensitivity (NETD)	≤ 40 mK		
Spectral Range	8 ~ 14 um		
Image Setting	Brightness, Sharpness, Contrast, Mirror, FFC control, 2D/3D DNR		
Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes		
Thermal Camera			
Lens Type	Fixed		
Focus Control	Manual Focus		
Focal Length	8mm	15mm	25mm
F No.	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°
Detection Distance Fire(1*1m)	235m	441m	735m
Detection Distance Man(1.8*0.5m)	235m	441m	735m
Detection Distance Vehicle(4*1.5m)	722m	1353m	2255m
Recognition Distance Man(1.8*0.5m)	59m	110m	184m
Recognition Distance Vehicle(4*1.5m)	180m	338m	564m
Visible Camera			
Image Sensor	1/2.8" Sony CMOS		
Effective Resolution	2592 (H)×1520 (V)		
Shutter Speed	1/5 ~ 1/20,000s		
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux		
S/N Ratio	More than 55 dB		
Focal Length	5.3 ~ 159 mm		
Max Aperture	F1.6 ~ F4.3		
Angle of View	H:55° ~ 2.3°, H: 41.6° ~ 1.7°		
Optical Zoom	30x		
Digital Zoom	16x		
Focus Control	Auto/Manual/Semi-automatic		
Mirror	Support		
Defog	Support		
Privacy Masking	Support		
Illumination Distance	Up to 30m (98.4 ft, White)		
PTZ			
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: +90° ~ -90°		
Pan/Tilt Speed	Pan: 0.01° ~ 30°/s, Tilt: 0.01° ~ 10°/s		
Wiper	Support		
Preset Accuracy	± 0.1°		
Presets	400		
Scan	8 scans, up to 32 presets per scan		
Patrol	12 patrols, up to 32 presets per scan		
Track	6 tracks		
3D Positioning	Support		
Speed Setup	Auto/Manual (0-8)		

Power Off Memory	Support
Idle Motion	It can activate Preset/ Scan/Tour/Pattern if there is no command in the specified period
Video and Audio	
Main Stream	Thermal: 704×576 @25/30fps Visible: 2592×1520, 1920×1080, 1280×720 @25/30fps
Sub Stream	Thermal: CIF @25/30fps Visible: D1, VGA, CIF @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Thermal: main stream:100Kbps~6Mbps, sub stream: 10Kbps~1.5Mbps Visible: main stream: 200Kbps~12Mbps, sub stream: 100Kbps~6Mbps
Region of Interest	Off/On (8 Zone, Rectangle)
Smart Function	
Smart Detection	Support human and vehicle detection
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, Enter area, Leave area Support alarm triggering by specified target types (human and vehicle)
Temperature Detection	
Temperature Detection	Support 3 temperature measurement rule types (Spot, 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, RTSP/RTP/RTCP, TCP/UDP, HTTP, DHCP, DNS, FTP, DDBS, 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	2 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch input, 1ch output
Alarm Interface	1ch output
RS485	Support
CVBS Interface	1ch output
Reset Button	Support (Built-in)
SD Card Slot	Built-in, up to 128GB
General	
Power Supply	DC24V
Power Consumption	Static: <15W, Motion: <35W, Max 50 W
Working Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Conditions	0 ~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	323 ×192.5 ×177 mm (12.7 × 7.58 × 6.97 inch)
Net Weight	5 kg (11.0 lb)

Dimensions (mm)







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