

SATIR-FSD256

Fire and Smoke Detection Thermal Camera



Key Features

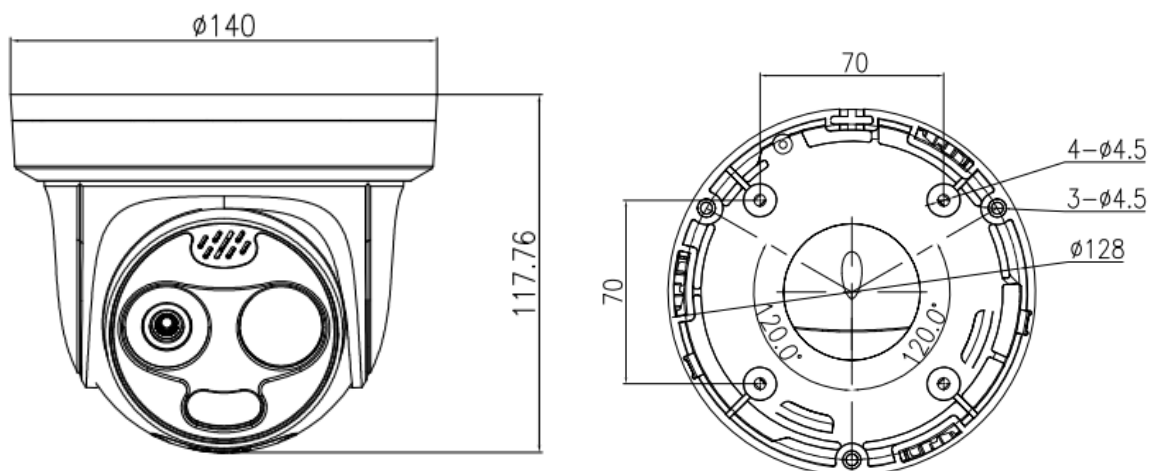
- Uncooled VOx Micro bolometer with 256×192 resolution
- Thermal: 3.5 mm fixed lens, Visible: 4 mm fixed lens
- Support Human, Vehicle, Fire and Smoking detection
- Support 3 temperature measurement rule types (Spot, Line, Area)
- Image processing technology: DVE, 3D DNR, Defog, WDR
- Built-in Microphone and Speaker, support sound-light alarm
- Smart IR distance up to 35m
- Support I/O alarm, RS485, Micro SD card
- DC12V/DC24V, PoE power supply

Specification

Thermal Camera	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	256×192, Image can be scaled up to 704×576
Pixel Size	12um
Spectral Range	8~14um
Thermal Sensitivity (NETD)	≤ 60mK
Image Setting	Brightness/Sharpness/Contrast/Mirror/FFC/3D DNR
Color Palettes	17 (White-hot/Black-hot/Rainbow/Ironbow etc.)
Lens Type	Fixed, F1.0
Focus Control	Free focus
Focal Length	3.5 mm
Angle of View	H: 48°, V: 36°
Detection Distance for Humans (1.8×0.5m)	146m
Detection Distance for Vehicles (4×1.5m)	447m
Recognition Distance for Human (1.8×0.5m)	36m
Recognition Distance for Vehicle (4×1.5m)	112m
Fire Detection Distance for Object (1m×1m)	146m
Temperature Measurement Distance For Object (1m×1m)	53m
Visible Camera	
Image Sensor	1/2.7" CMOS
Effective Resolution	2880(H) × 1620(V)
Shutter Speed	1/5 ~ 1/20,000s
Wide Dynamic Range	True WDR 120dB
Min. Illumination	Color: 0.001Lux @(F1.2, AGC ON) B/W: 0.0003Lux @(F1.2, AGC ON)
S/N Ratio	More than 55dB
Focal Length	4mm
Angle of View	H: 92°, V: 46°
Illuminator	
IR Distance	Up to 35m
White Light	Strobe light
Video and Audio	
Frame Rate	Main Stream: Visible: 2880×1620, 2560×1440, 2304×1296,1920×1080, 1280×720 @25/30fps Thermal: 704×576 @25/30fps Sub Stream: Visible: D1/VGA/640×360/CIF/QVGA @25/30fps Thermal: CIF @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Main Stream: Visible: 100Kbps~16Mbps Thermal: 100Kbps~6Mbps Sub Stream: Visible: 100Kbps~6Mbps Thermal: 10Kbps~6Mbps
Region of Interest	Off / On (8 Zone, Rectangle)
Mirror	Support

Defog	Support
Motion Detection	Support
Privacy Masking	Off / On (5 Area, Rectangle)
DVE Image Enhance	Support
Audio Compression	G.711: 8kbps, RAW_PCM: 16kbps
Smart Function	
Smart Function	Temperature detection, human, vehicle, fire and smoking detection & alarm,
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.
IVS	Perimeter, Virtual Fence, Enter Area, Leave Area
Sound-light Alarm	Support white light flashing and horn warning
Temperature Measurement	3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (points, areas, line).
Temperature Alarm	Over temperature alarm
Accuracy	±2℃ / ±2%
Response Time	≤ 30ms
Temperature Measurement Range	-40℃ ~ 150℃ (-40°F ~ 302°F)
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP ,802.1x
Interoperability	ONVIF
Max. User Access	10 Users
Edge Storage	Local PC for instant recording Micro SD card up to 256GB
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Interface	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Audio In, 1ch Audio Out Built-in Mic and Speaker
Alarm Interface	1ch Alarm In, 1ch Alarm Out
RS485	Support
HDMI Interface	Support
Reset Button	Support
General	
Power Supply	DC12V/DC24V/POE (IEEE 802.3af)
Power Consumption	Max 10W
Working Temperature	-40℃ ~ 60℃ (-40°F ~ 140°F)
Storage Conditions	0 ~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	138 mm × 138 mm × 123 mm (5.43 "×5.43"×4.84 ")
Net Weight	1.03 Kg (2.27 lb)

Dimensions (mm)



Accessories

Optional:



Junction Box



Pendant Cap



Pendant Mount



Wall Mount



Wall Mount



Pole Mount



Corner Mount



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