VST-T5H-F

Body Temperature Measurement Camera with Integrated Blackbody
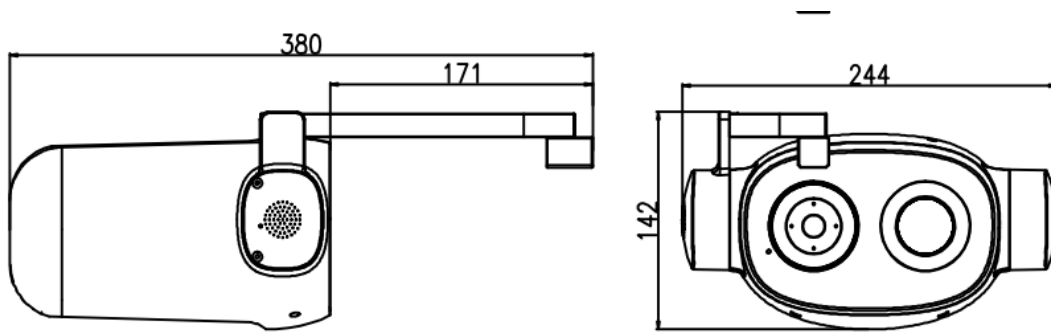

Key Features

- Uncooled VOx Micro bolometer with 400×300 resolution

- One IP address two channels

- Camera and blackbody integrated design

- Support temperature screening

- NETD ≤40mK

- Thermal: 8mm Fixed lens, Visible: 2.7~12mm motorized lens

- Accuracy ±0.3°C

- 17 color control

- Support 1/1 audio input/output and 2/2 alarm input/output

Specification

Thermal Camera

Detector Type	Uncooled IRFPA Microbolometer
Effective Pixels	400(H) ×300(V)
Pixel Size	17um
Thermal Sensitivity (NETD)	≤40mK @F1.0, 300K
Spectral Range	8~14um
Image Setting	Polarity LUT/ DVE/ Mirror/ FCC/ /3D DNR Brightness/Contrast/ ROI
Color Palettes	Black-Heat/White-Heat/Rainbow/Iron-Red up to 17 modes

Thermal Lens

Lens Type	Fixed
Focus Control	Manual Focus
Focal Length	8mm
F No.	F1.0
Angle of View	H: 46°, V: 35°

Visible Camera

Image Sensor	1/2.8" Sony CMOS
Effective Resolution	1920(H)×1080(V)
Shutter Speed	1/5 ~ 1/20,000s
Wide Dynamic Range	True WDR 120dB
Min. Illumination	Color: 0.1Lux @(F1.2, AGC ON) B/W: 0.01Lux @(F1.2, AGC ON)
S/N Ratio	More than 55dB
Focal Length	2.7 ~ 12mm
Max Aperture	F1.6~ F2.9
Angle of View	H: 89° ~ 33°, V: 48° ~ 18°
Focus Control	Motorized

Video and Audio

Frame Rate	Main Stream: Visible: 1920×1080/1280×720 @25/30fps Thermal: D1 @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: Thermal: 100Kbps~6Mbps, Visible: 100Kbps~12Mbps Sub Stream: Thermal: 10Kbps~1.5Mbps, Visible: 10Kbps~6Mbps
Region of Interest	Off / On (8 Zone, Rectangle)
Digital Zoom	16x
Mirror	Support
Defog	Support
Motion Detection	Support
Privacy Masking	Off / On (4 Area, Rectangle)
DVE Image Enhance	Support
Audio Compression	G.711, RAW_PCM

Intelligence

Intelligent Functions	Perimeter, Single Virtual Fence, Double Virtual Fences, Object Left, Object Removed
Face Detection	Support face detection and capture

Temperature Detection

Temperature Detection	Body temperature monitoring
Temperature Alarm	Over temperature alarm
Accuracy	± 0.3 ℃ (Emission rate, distance, ambient temperature, etc.) Environment temperature: 0°C~35°C(32°F~95°F) Detection Distance: 3~5m (4m recommended) Working Environment: Avoid the interference of wind, sunshine, high temperature and reflective objects, indoor is recommended
Response Time	≤30ms

Network

Ethernet	RJ-45 (10/100Base-T)
Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP ,802.1x
Interoperability	ONVIF, CGI, SDK
Max. User Access	10 Users
Edge Storage	Local PC for instant recording
Web Viewer	<IE11, Chrome, Firefox
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
Alarm	2ch Alarm In,2ch Alarm Out
RS485	Support
Reset Button	Support (Built-in)
Power Interface	DC12V input interface for blackbody

General

Power Supply	DC12V/POE (IEEE 802.3af)
Power Consumption	Max 18W
Operating Temperature	0°C~35°C(32°F~95°F)
Storage Conditions	0~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP54
Casing	Metal + Plastic
Dimensions	380×244×142 mm (14.96×9.6×5.59 inch)
Net Weight	2.26 kg (4.98 lb)

Dimensions (mm)

Accessories

Optional：

VST-BK346
Wall bracket

VST-BK350
Ceiling Bracket

VST-BK360
Tripod

Disclaimer:

Body Temperature Measurement System is not a medical device and is not designed for diagnosis, prevention, or treatment of any disease or condition.

The solution is a screening tool that businesses can use to identify individuals with elevated skin temperature compared to a customizable reference temperature on entering their premises.