

Body Temperature Solution (BTS)

Capability of discovering and tracking people with higher body temperature among the crowded public area, it can be widely used in places such as customs, airport, school and hospital for inspection and quarantine.

It takes only one second for thermal camera to detect temperature of each person. Thus, no congestion will be made when passing through the site where temperature needs to check.

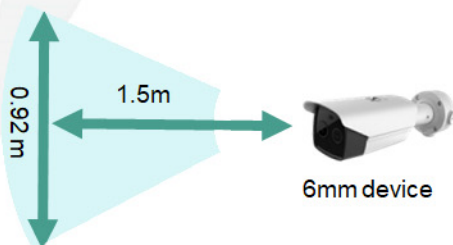
Thermal camera supports non-contact temperature measurement which can achieve accurately measuring temperature around 1 meter away. That reduces the risk of infection coming from physical contact.

With the **Temperature Calibrator** working hand-in-hand with the **Thermal Bullet Camera**, it increases the temperature accuracy from **0.1°C ~ 0.3°C**.

Thermal Bullet Camera



Temperature Calibrator



Specification

THERMAL MODULE

Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	160 × 120 (the resolution of output image is 320 × 240)
Pixel Interval	17µm
Response Waveband	8 µm to 14 µm
NETD (Noise Equivalent Temperature Difference)	≤ 40 mk (@25 °C, F# = 1.1)
Lens (Focal Length)	6.2 mm
IFOV	2.74 mrad
Field of View	25° × 18.7° (H × V)
Min. Focusing Distance	0.6 m
Aperture	F 1.1



OPTICAL MODULE

Max. Image Resolution	2,688 × 1,520
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Lens (Focal Length)	8 mm
Field of View	39.42° × 22.14° (H × V)
WDR	120 dB
Day & Night	IR cut filter with auto switch

IMAGE FUNCTION

Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
Picture in Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image

INFRARED

IR Distance	Up to 40 m
IR Intensity and Angle	Automatically adjusted

SMART FUNCTION

VCA (Video Content Analysis)	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.
Temperature Measurement	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line).
Temperature Range	30°C to +45 °C
Temperature Accuracy	±0.5°C
Fire Detection	Dynamic fire point detection, up to 10 fire points detectable.



Specification

Network

Main Stream	Visible Light: 50Hz: 25fps (2688 × 1520), 25fps (1920 × 1080), 25fps (1280 × 720)
Visible Light:	60Hz: 30fps (2688 × 1520), 30fps (1920 × 1080), 30fps (1280 × 720)
Thermal:	1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240
Sub-stream Visible Light:	50Hz: 25fps (704 × 576), 25fps (352 × 288), 25fps (176 × 144)
Visible Light:	60Hz: 30fps (704 × 480), 30fps (352 × 240), 30fps (176 × 120)
Thermal:	704 × 576, 352 × 288, 320 × 240
Video Compression	H.265/H.264/MJPEG
Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G.726/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20
User/Host Level	Up to 32 users, 3 levels: Administrator, Operator, User
Security Measures	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering

Integration

Alarm Input	2-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable
Alarm Action	SD recording/relay output/smart capture/FTP upload/email linkage/audio alarm/white light alarm
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω
Reset	1, Reset Button
Communication Interface	1, RJ45 10M/100M self-adaptive Ethernet interface. 1, RS-485 interface
SD Memory Card	Built-in micro SD card slot, support Micro SD/SDHC/SDXC card (up to 128 GB), Supports manual/alarm recording
Analog Video Output	1.0 V [p-p]/75 Ω, PAL/NTSC
Application Programming	Open-ended API, support ISAPI, HIKVISION SDK and third-party management platform Client
Web Browser	iVMS-4200, Hik-Connect IE9+, Chrome 31-44, Firefox 30-51, Safari 5.02+(mac)

General

Menu language	32 languages - English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Power	12 VDC ± 20%, two-core terminal block
PoE	(802.3af, class 3)
Power Consumption	12 VDC ± 20%: 0.65 A, max. 7.5 W
PoE (802.3af, class 3):	42.5 V to 57 V, 0.14 A to 0.22 A, max. 8 W
Working Temperature/ Humidity	Temperature: -20 °C to 50 °C
Humidity:	95% or less
Protection Level	IP66 Standard. TVS 6000V lightning protection, surge protection, voltage transient protection
Dimensions	358.3 mm × 113.5 mm × 115.2 mm (14.10" × 4.47" × 4.53")
Weight	Approx. 1.76 kg (3.88 lb)

Specification

Radiation Source Temperature	5°C ~ 50°C, Adjustable
Temperature Resolution:	0.1°C
Temperature Accuracy:	up to +/- 0.1°C
Temperature Stability:	0.3°C/h
Effective Emissivity:	0.97 +/- 0.02
Effective Radiation Surface:	70mm x 70mm
Power Supply	220V, AV50Hz
Working Temperature	0°C ~ 30°C
Dimension Size	W116mm x H116mm x D200mm

