TempAlert Plus

Thermal Imaging System

Device Consulting

GeoSat Microwave

Key Features:

- **Up to 3M measuring distance**
- **High Sensitiity thermal module with 256 x 192 resolution;**
- **Leading thermal image processing technology, Adaptive AGC, DDE, 3D DNR;**
- **Reliable Temperature-anomaly alarm;**
- **Temperature Range from -15℃ to + 150℃;**
- **High quality Optical module with 2MP resolution;**
- **Bi-spectrum image fusion, picture-in-picture preview;**
- **Support for Capture and save in PC of personnel in and out**

Product Description:

TempAlert Plus Thermal & Optical Bi-Spectrum Network Camera is capable of highly accurate body temperature measuerement, to within +- 0.3C. The camera features built-in AI algorithm for multi-person measurements up to 3m distances, enabling fast and non-contact access. Perfect for adjunct use in hospitals, sub-acute health settings, public areas (i.e airports) and more. Also can be widely used in close-range scene monitoring, such as indoor fire prevention, warehouse fire prevention, charging pile temperature monitoring and other fields.

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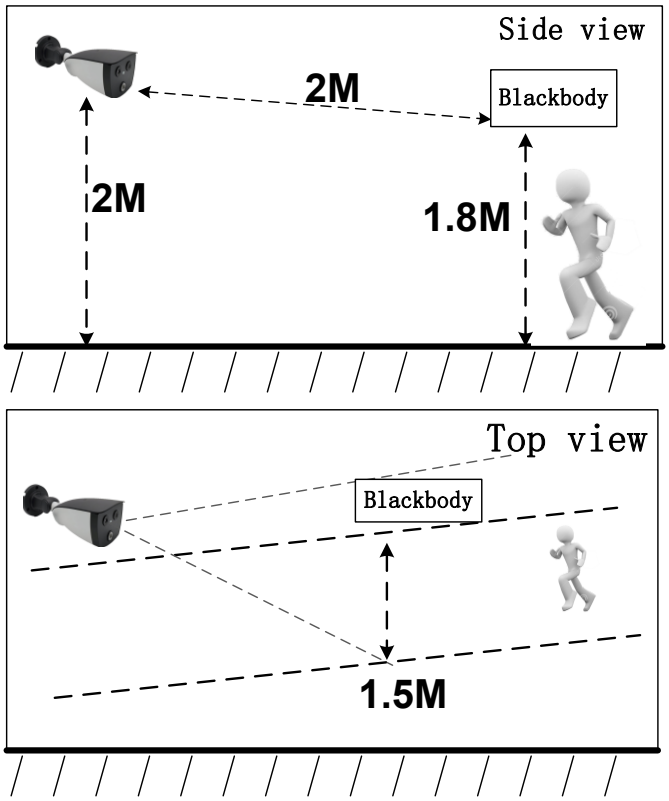

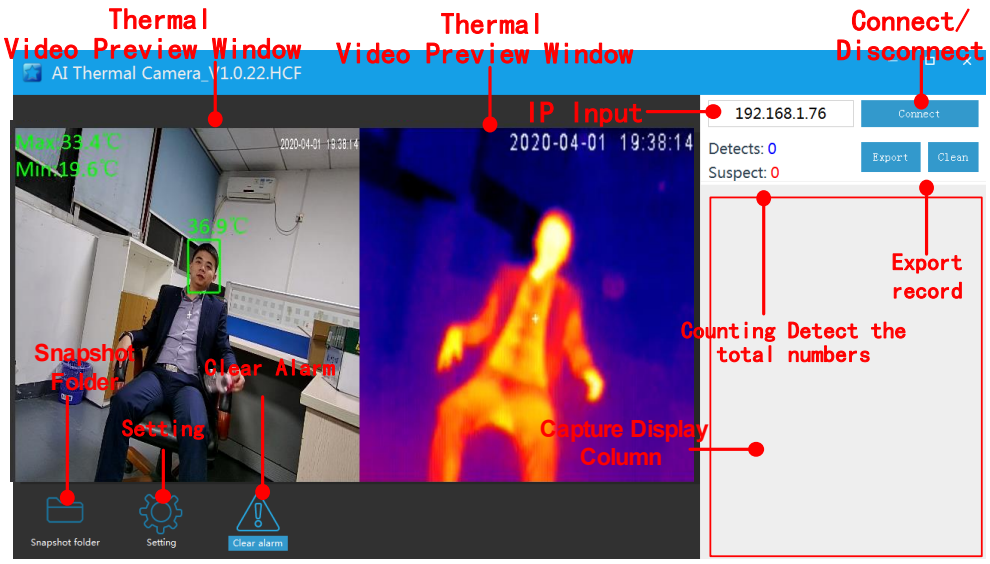

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Device Interface Function Definition

Interface No.	Interface Name	Functional Indicators
1	Power Interface	12VDC
2	Network Interface	RJ45 Network Interface
3	Relay Interface	+： NO Normally Open Port -： COM Public Port
4	Audio Interface	1: Audio Input 2: Audio Ground 3: Audio Output 4: Empty

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Present Situation

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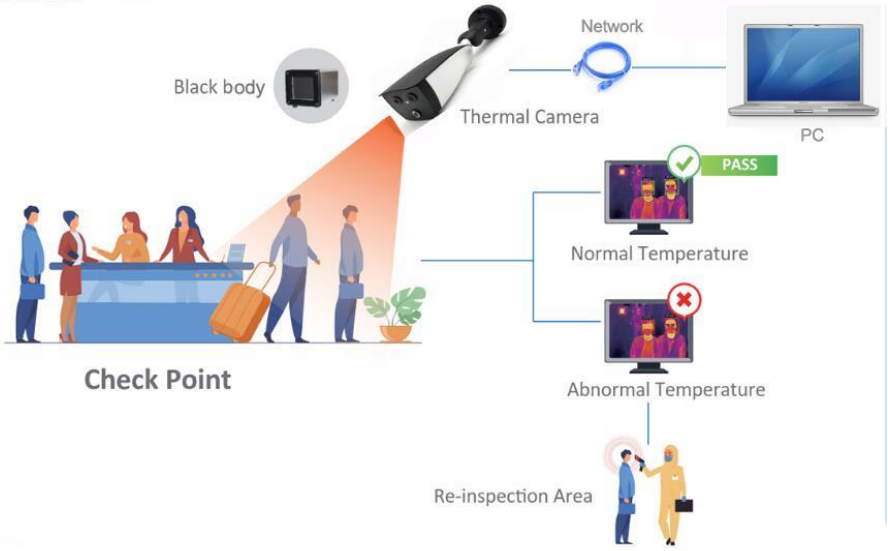
During the epidemic, entrances and exits in public places basically use manual close-inquiries, manual body temperature measurement, manual registration, and personal mobile phone declarations as methods to prevent and control the epidemic.This management method requires a large number of staffs,plus, staffs' self-protection standards are not uniform, which iseasy to cause cross -infection. In addition, the information of thetested personnel is not comprehensive, and in the event of anew epidemic, there is no good traceability mechanism.

Solution

Solution



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Thermal	
Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	256×192
Pixel Interval	12μm
NETD	Less than 60 mK (@25°C,F#=1.1)
Aperture	F1.0
Field of View	35° × 27° (H × V)
Optical	
Image Sensor	1/2.8" 2.0M Pixel CMOS
Resolution	1920×1080P
Min. Illumination	Color: 0.005Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON)
Field of View	84° × 45° (H × V)
Focal Length	4mm
Shutter Speed	1s to 1/100,000s
White Balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Daylight Lamp/Sodium Lamp
Day & Night	ModelR cut filter with auto switch
WDR	80 dB
Feature	
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
Smart Function	
Face snapping	Built-in deep learning AI algorithm, Supports simultaneous detection of 20-30 faces
Temperature Measurement	Support global and local temperature
Temperature Range	From -15°C to +150°C
Temperature Accuracy	Target temperature 35°C ^ 38°C ±0.3 °C Target temperature 20°C ^ 33°C ±0.6 °C Target temperature 38°C ^ 50°C ±0.6 °C
Network	
Main Stream	Thermal: 25fps(1920 × 1080, 1280 × 720)
Sub Stream	Thermal: 25fps(704 × 576, 352 × 288)
Video Compression	H.264 (Baseline/Main/High Profile) /MJPEG/H.265
Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G.726/PCM
Protocols	TCP/IP, ONVIF, GB/T 28181, DHCP, RTP, RTSP, PPPoE, UPnP, UDP
API	ONVIF (Profile S, Profile G, Profile T), SDK
General	
Web Client Language	languages English, Chinese
Power	DC 12V, 0.65A
Work Temperature/Humidity	From -20°C to 55°C; Humidity: 95% or Less
Protection Level	IP67
Dimension	246 mm × 101 mm × 81 mm (with bracket)
Weight	Approx. 1.0 kg