Overview
Overview

IBD-TS04 Thermal & Optical Bi-spectrum Network Bullet Camera, which is capable of highly accurate body temperature measurement, to within ±0.3 ℃, The camera features a built-in AI algorithm for multi-person measurements up to 3m distance, enabling fast and non-contact access. Perfect for adjunct usage in hospitals, sub-acute health settings, public areas (i.e. airports), and more. It 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.

High Volume of Management

Cross Infection

Large Mobility
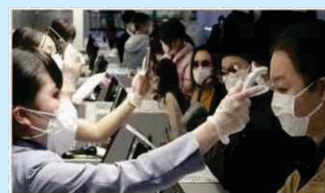
Present Situation
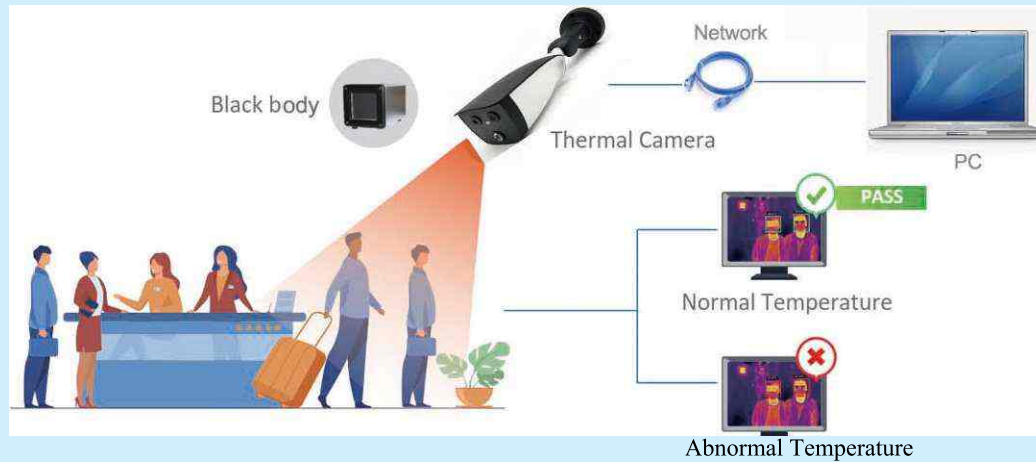Present Situation

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. Besides, staffs' self-protection standards are not uniform, which is easy to cause cross-infection. In addition, the information of the tested personnel is not comprehensive, and in the event of a new epidemic, there is no good traceability mechanism.

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Solution
Solution

Abnormal Temperature

Re-inspection Area

Product Features
Product Features

High sensitivity thermal module with 256 x 192 resolution;

NETD is less than 60 mk (@25° C, F#=1.0);

Supports contrast adjustment;

Leading thermal image processing technology: Adaptive AGC, DDE, 3D DNR;

Up to 15 palettes of adjustable color;

Reliable temperature-anomaly alarm;

Temperature Range From -15°C to +150°C;

High quality optical module with 2 MP resolution; Bi-spectrum

image fusion, picture-in-picture preview; Support for capture and save

in PC of personnel in and out.

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Specification
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Mode	IBD-TS04
Thermal	
Image Sensor	Vox Uncooled Focal Plane Arrays
Resolution	256x192
Pixel Interval	12pm
NETD	Less than 60 mK (@25°C.F#=1.1)
Aperture	F1.0
Field of View	35° x 27° (H x V)
Optical	
Image Sensor	1/2.8" 2.0M Pixel CMOS
Resolution	1920x1080P
Min. Illumination	Color: 0.005Lux @ (F1.2, AGC ON), B/W 0.001 Ⅲ@ (F1.2, AGC ON)
Field of View	84° x 45° (H x 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	ModeiR 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 Al algorithm, Supports simultaneous detection of 5-8 faces
Temperature Measurement	Support global and local temperature
Temperature Range	From-15°C to +150°C
Temperature Accuracy	Target temperature 35°C ^{A} 38°C ±0.3 °C
	Target temperature 20°C ^{A} 33°C ±0.6 °C
	Target temperature 38°C ^{A} 50°C ±0.6 °C
Network	
Main Stream	Thermal: 25fps (1920 x 1080, 1280 x 720)
Sub Stream	Thermal: 25fps (704 x 576, 352 x 288)
Video Compression	H.264 (Baseline/Main/High Profile) /MJPEG/H.265
Audio Compression	G711u/G711a/G.7221/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	English, Chinese
Power	DC 12V, 0.65A
Work Temperature/Humidity	From -20°C to 55°C; Humidity: 95% or Less
Protection Level	IP66
Dimension	246 mm x 101 mm x 81 mm (with bracket)
Weight	Approx. 1.0 kg

Airport

Metro
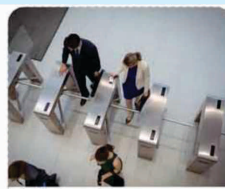
Commercial Building

School

Application Scenarios
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IBD-TS04 Thermal & Optical Bi-spectrum Network Bullet Camera can be used in Airports, Metros, Commercial buildings, Schools, etc...

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