Dual Sensor Body Temperature Screening Thermal and HD Visible Camera

Image Source : https://coronavirus.jhu.edu/map.html

8BTSS
Thermal Screening System

8BTSS Thermal Screening System is a non-contact efficient temperature measurement system and screening device which is specially designed for dense crowds in public places. Based on the accurate temperature measurement technology of the thermal imaging camera, it can detect people with abnormal body temperature and then output alarm signal, in order the authorities implement the interventions and emergency measures, to prevent the spread of the virus in public areas.

APPLICATIONS

Airports, Railway stations, Passenger stations, Subway stations, and crowded areas such as schools and comprehensive parks. It can be applied to small scenes such as entrances, stores, etc.

FEATURES

Thermography Imaging Camera
• Effective pixels 384 x 288 / NETD ≤ 50mK
• 13mm athermal lens
• Accuracy ±0.3°C
• Optimized body heat measurement **30~45°C**

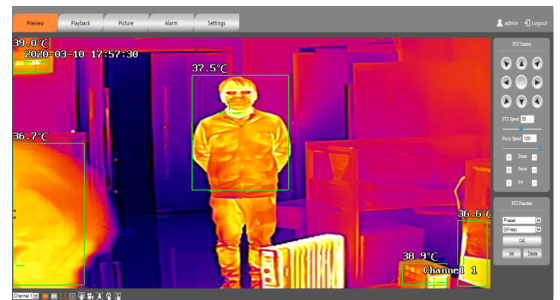**Visible Camera**
• Full HD 1920x1080 resolution
• 10mm focal length

Function
• Non-contact temperature measurement, reduce the risk of cross infection
• Detect and lock multiple people at the same time in less than 1 second
• Accuracy: High-precision temperature measurement, error less than ± 0.3 ℃
• Intelligent algorithm for visible camera system and thermal imaging camera system, face detection, accurate temperature measurement, low false alarm
• Automatic screening and real-time alarm for abnormal body temperature.
• 7 × 24 real-time rapid body temperature screening
• Software can trace back, analyze, and mine historical data
• Can be linked with the emergency command system

OPERATION

• Working detecting distance is 2~5 meters
• Best - Effective detecting distance is 2~3 meters
• Automatic temp detection with face only
• Simultaneously measure people & stored in DB
• From the data base, easy retrieving function
• Easy to install and configure (Plug & Play)
• Easy to install: tripod
• Easy deployment: One 8BTSS and one ordinary PC can constitutes a small temperature measurement station, supporting offline and online deployment

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A 23 Agias Paraskevis | Strovolos Nicosia, 2002 | Cyprus
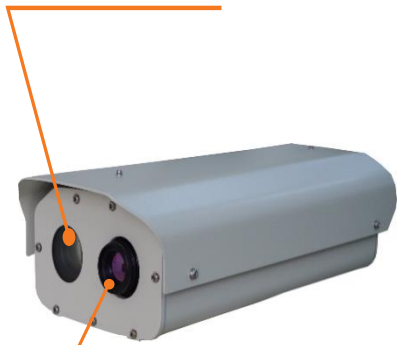**T** +357 22550056 | **E** sales@8bellsresearch.com

SPECIFICATIONS *Specifications are subject to change without notice.

HD Visible Camera

THERMAL IMAGING CAMERA

Sensor type	Uncooled vox sensor
Resolution	384 x 288
Spatial band	8 ~ 14μm
Gain Control	Manual/Auto
NETD	≤50mK@25℃,F#1.0 （≤40mK for option）
Lens focal length	13mm athermal lens
Full life management	Record function for health index of the thermal core
Digital zoom	Support digital zoom picture in picture eagle chart display
Color map	Support White/Hot, Black/Hot, and other 16 kinds pseudo color

Thermal Imaging Camera

VISIBLE CAMERA

Sensor type	1 / 2.8 inch CMOS Sensor
Resolution	Full HD, 1920 x 1080
Focal Length	10 mm - Focus Mode manual
Pixels	2MP
Day/Night Switch	ICR auto switch/electronic color to B/W
Min. Illumination	Color: 0.005Lux and Black/White: 0.0005Lux@F1.5 shutter time: 1/30S

TEMPERATURE MEASURMENT

Measurement Range	30°C~45°C
Measurement Accuracy	≤ 0.3^0C (with blackbody)
Detection distance	2~5m - best 2~3m
Face recognition	Smart face recognition algorithm

GENERAL

Power Supply	DC12V
Power consumption	≤ 7.5W
Size	335mm*195mm*116mm (L*W*H)
Weight	3.5Kg

SYSTEM SPECIFICATIONS

• Communication Interface: 1 RJ45 10M / 100M / 1000M adaptive Ethernet port. Expandable RS-485 / RS422 / RS232; expandable alarm output
• Network protocol: Support HTTP；TCP；RTSP；RTP；UDP；RTCP；support ONVIF 28181
• Support Web Configuration
• Video Compression H.265/H.264/MJEPG
• Audio Compression G.711
• Working temperature -20°～50°C - Humidity ≤95%
• Ingress Protection IP66, Anti-lighting TVS 6000V, Surge protection

SYSTEM CONFIGURATION

LAPTOP

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