



# AI Binocular Thermal Imaging System

High-precision body temperature measurement



High and low temperature tracking



Accuracy  $\pm 0.3^{\circ}\text{C}$



Real-time image transmission



High temperature alarm

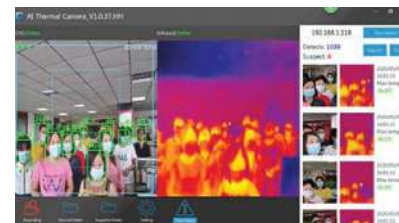


256X192 High resolution



Temperature range

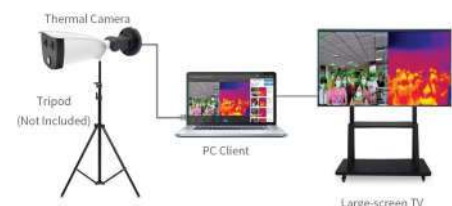
- Non-contact High-accurate Body Temperature Measurement  $35^{\circ}\text{C}$ - $38^{\circ}\text{C}$ , Accuracy  $\pm 0.3^{\circ}\text{C}$ .
- AI Screening 20-30pcs Human Faces Simultaneously and Snapshot.
- Alarm Output if Abnormal Temperature Detected.
- Voice Broadcast.
- Fire Alert.
- Third-party Platform Docking.
- Can Record Identification Information and Temperature Information for Future Search.
- Protection Level IP67; TVS 6000V Lightning Protection, 2K Surge Protection and Voltage Transient Protection
- Power Consumption  $\leq 5\text{W}$
- Dimension(Product) 246x101x81mm(with bracket)
- Weight 1.5KG(including package)



## ระบบ AI อัจฉริยะ

ตรวจสอบวัตถุคนหมู่มาก พร้อมจับภาพใบหน้าบันทึกข้อมูล มีระบบแจ้งเตือนเมื่อมีผู้ป่วยเกินที่ผ่าน Alarm มีเซนเซอร์ตรวจจับเฉพาะส่วนศีรษะเท่านั้น

Measurement system Composition structure support automatic capture of moving face targets



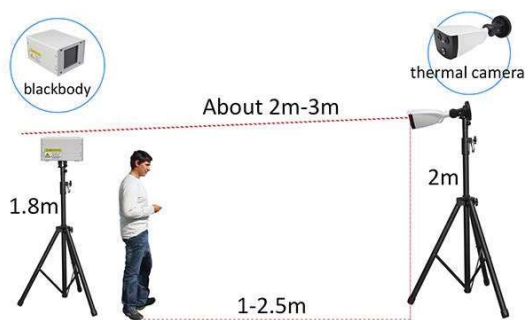
COVID-19

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02-1054034

www.turnstilecenter.com



## Product description

### 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 Lux @ (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 |
|--------------------------|-------------------------------------------------------------------------|

### 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 +100°C                                                                |
| Temperature Accuracy    | Target temperature 35°C A 38°C $\pm 0.3^{\circ}\text{C}$                            |

### 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              |
| Temperature Accuracy | Target temperature 35°C A 38°C $\pm 0.3^{\circ}\text{C}$     |
| Audio Compression    | G 711u/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       | languages 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                   |
| Weight                    | Approx. 1.0 kg                            |