

As lockdown eases and we try to prevent further infections, Trysome introduces our new Contactless Temperature Screen with an 8-inch LCD system, that is non-invasive and hands-free with a quick-scanning function to allow high-traffic areas quick access. There are voice prompts to signal temperature range and warnings if temperature readings are not within the acceptable range.

The system is not only a stand-alone/plug-and-play system, but also offers optional facial recognition modules with access control. Our upgraded versions offer multiple language packs as well as the ability to perform facial recognition with or without a mask and to stop access if the face mask is not in place.

Our access-control module allows the system the ability to open doors or any triggered system once the person's face is identified, temperature is within range and, if required, their face mask is on or off. If all criteria are met the system will allow access. This is API dependant and the system can be integrated with most access control systems (to be determined by technical data of access-control system).

Features

- Contactless temperature-measuring device within a range of 0.5 m to 1.5 m.
- Temperature detection accuracy of ± 0.3 °C.
- High-speed processing of people.
- Optional access control via Face ID.
- Optional integration via API to access control such as sliding doors or booms.
- Designed for high-traffic access points such as schools, offices, shopping centres etc.

Core Technologies



Human Witness Comparison
Algorithm



Face Comparison
Algorithm



Temperature Monitoring



Thermal Imaging



Attendance Management

Witness and Facial Recognition Algorithm

Human identification algorithm is a software system developed by our partners for the "integration of human identification". This software runs on an android system, uses an advanced face-recognition algorithm and ID card comparison. The system can read the holder's face information for "person ID card integration" verification, the system performs accurate and fast verification of user identity information, supports the verification data in real-time and information can be uploaded to the management software.

The system has access control, attendance, consumption, welcome and guest AI application functions.



Body Temperature Detection & Thermal Imaging

Infrared thermal imaging body temperature detection:

- Accurate temperature measurement, temperature difference $\pm 0.3^\circ$
- Temperature measurement distance 0.7 ~ 1 metre.
- Rapid body temperature screening
- Abnormal temperature warning
- Accurate temperature measurement
- High adaptability
- Powerful data storage and analysis functions



Product Features and Benefits of the System

The system is compatible with access control, epidemic prevention, visitor access, attendance and other applications!

1. Access Control: Face recognition is used to identify the true identity of the person's entry and exit, this can be linked to open the access control / barrier.
2. Epidemic Prevention and Control: Face temperature measurement, personnel identification, tracking and analysis of epidemic prevention and control.
3. Visitor Management and Control: After the visitor registers, he or she can clock in and out and perform tracking analysis.
4. Person Identification: Identifies employees and visitors and triggers an information push message based on this information.
5. Attendance of Employees: Attendance results are calculated in real-time based on the employee's entry and exit times.
6. Conference Sign-in: Sign in with your face, and manage statistics of participants in real-time.
7. AI, non-contact medical high-precision temperature measurement, intelligent personnel management, large data statistical solution.
8. It can conduct temperature screening for crowds in the corridor and public areas, and will sound an alarm after a high temperature is found, which is convenient for statistics and report analysis.



Contactless Measurement

Error range: $\pm 0.5^\circ\text{C}$
 Thermometry distance: 0.5-0.7m
 Recognition rate > 99.5%

Technical Specifications

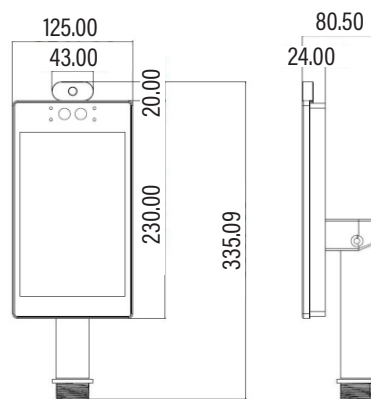
Main Board	Quad-core CPU, main frequency up to 1.8 GHz, Mali-T764 GPU, support 4K, H.265 decoding
Storage	2 G memory / 8 G storage (expandable)
Size	20.3 cm
Optimum Resolution	800 (h) x 1 280 (v)
Display Scale	16:9
Video Content	HD video/picture/text/scroll text (separable window display)
Supported Formats	Video: wmv, avi, flv, rm, rmvb, mpeg, ts, mp4; Audio: MP3, AAC, WAV, PCM; Picture: png, bmp, jpg, gif
Speaker	2 w Mono
Power Inputs	12 Vdc - 3 A
Network	Support LAN / WiFi / (4G for optional)
Photosensitive	Infrared photosensitive
Face ID Height	1.2 - 2.2 m, adjustable angle
Face ID Distance	0.5 - 1.5 m
Recognition Speed	≤ 0.5 s
Face ID Database	Supports 20,000 face comparison library and 100,000 face recognition records
Measurement Range	30 °C - 45 °C
Temperature Accuracy	≤ 0.3 °C
Measurement Distance	≤ 50 cm
Response Time	≤ 300 ms
Interface	DCx1, RJ45x1, RS232 x1, Wiegandx1, USBx1, OTGx1

Structure

Material	Full aluminium-alloy structure design, ultra-thin appearance
Surface Treatment	Metal painting (Colour options: Black, Silver)
Protect Glass	3 mm Physically toughened glass
Frame	Silver
Dimensions	230 mm x 125 mm x 24 mm; Adjustable Angle: 30°
Weight	≤2 kg

Accessories

Certificate of Approval	x 1
Spanner	x 1
Adaptor	x 1



INTELLIGENT ACCESS CONTROL UNITS

Facial Recognition, Thermal Imaging and Temperature Detection



Installation Method: Wall-Mounted

Supports wall-mounted, gate bracket and column bracket installation

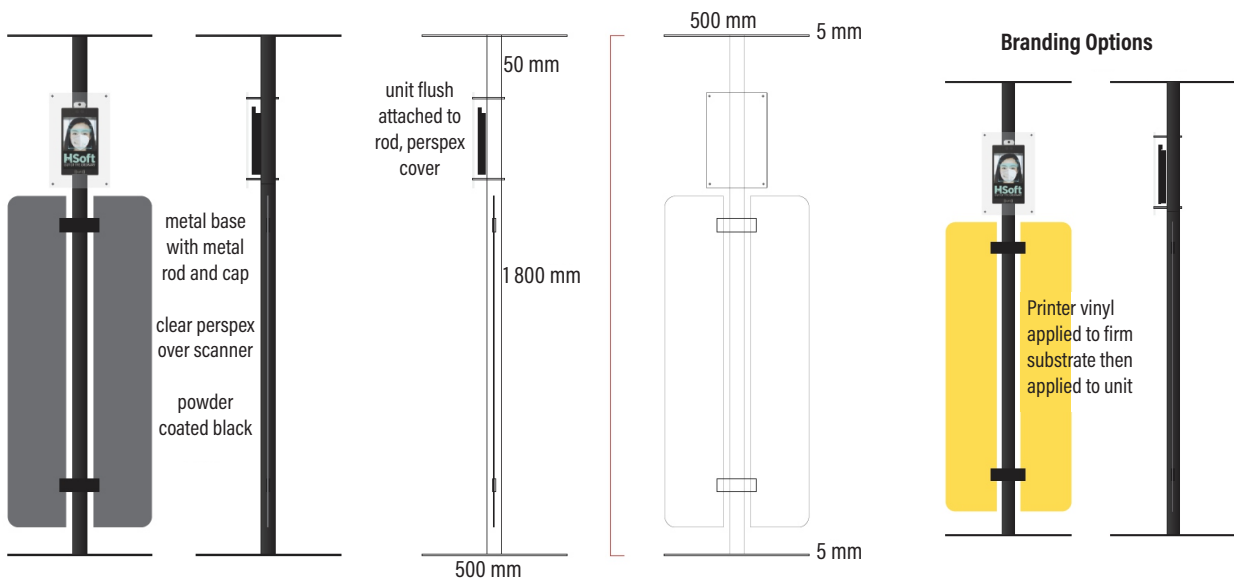


Installation Method: Vertical



Installation Method: Free-Standing Structure

We can create free-standing units that provide an additional branding opportunity.



This product may not be a stock item. Please speak to our sales representative about lead times. Lead times, price, and availability can only be determined on receipt of an official quote from our supplier. This can sometimes take up to 3 days.

- | | | | |
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