ADVANCE IR»

T-Scan 750
Temperature Scanning Entry System

Advance IR T-Scan 750 Temperature Scanning Entry System combines traditional infrared (IR) temperature measurement with artificial intelligence (AI) facial recognition.

Simple operation requires the user to stand in front of the device, and within one second, their identity and body temperature are automatically logged and recorded. After the user's identity is authenticated and a normal body temperature is recorded, the user is granted entry/access to pass. If the user's body temperature exceeds a normal value, the system will automatically alarm and prohibit passage.

For additional scenarios, this device supports three usage modes with different platform software capabilities.

1. Company Mode - Combined facial recognition and temperature measurement for employee access control and attendance management.

2. Education Mode - Combined facial recognition and temperature measurement for campus access control and attendance management.

3. Quick Screening Mode – Access control via rapid temperature screenings (no facial recognition) with access to data via mobile app.

Applications

- Workplaces
- Educational Facilities
- Sports Venues
- Restaurants
- Retail Stores
- Airports

Features

- Facial Recognition Library: Up to 50,000
- Identification Accuracy: >99%
- Live Detection: Bi-eye near-infrared / Speed: 400ms (approx.)
- Facial Detection: 1080P @ 25fps / Speed: 200ms (approx.)
- Multiple devices can be used at one location
- Record keeping of attendance and body temperatures

T-Scan 750 Specifications

Temperature Measurement Parameters	
Range	89.6°F ~ 113°F (32°C~45°C)
Accuracy	±0.5°C
Distance	8 in ~ 20 in (0.2m~0.5m)
Response Time	0.5 seconds

System Hardware Parameters	
Processor	4 Core A7
Operating System	Android 8.1
Memory	1GB
Storage	16G

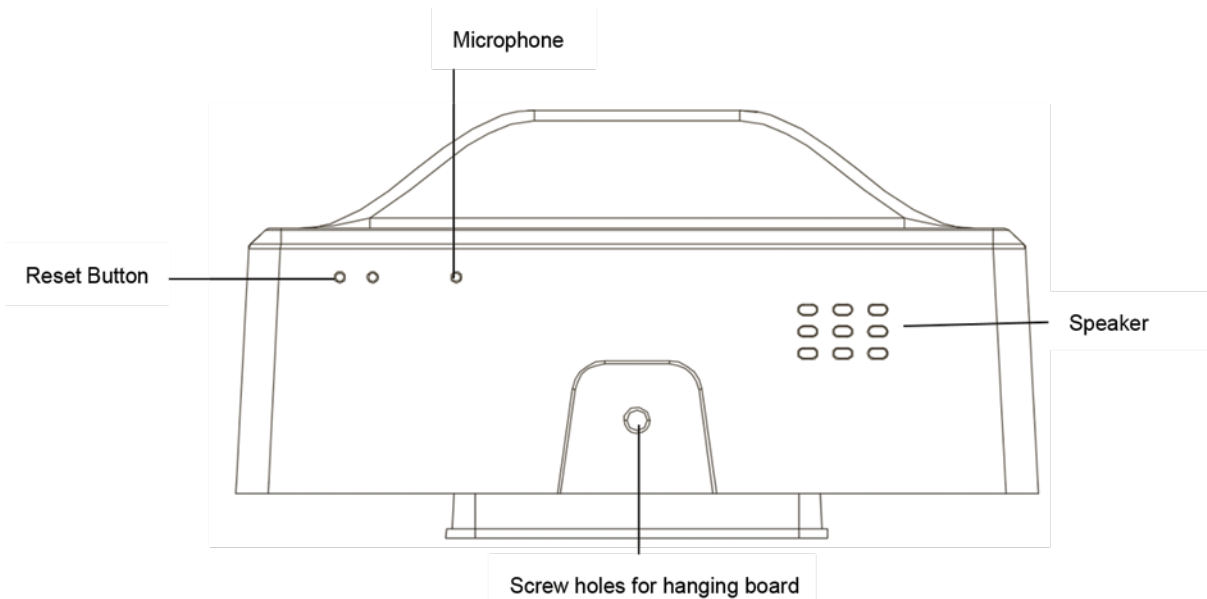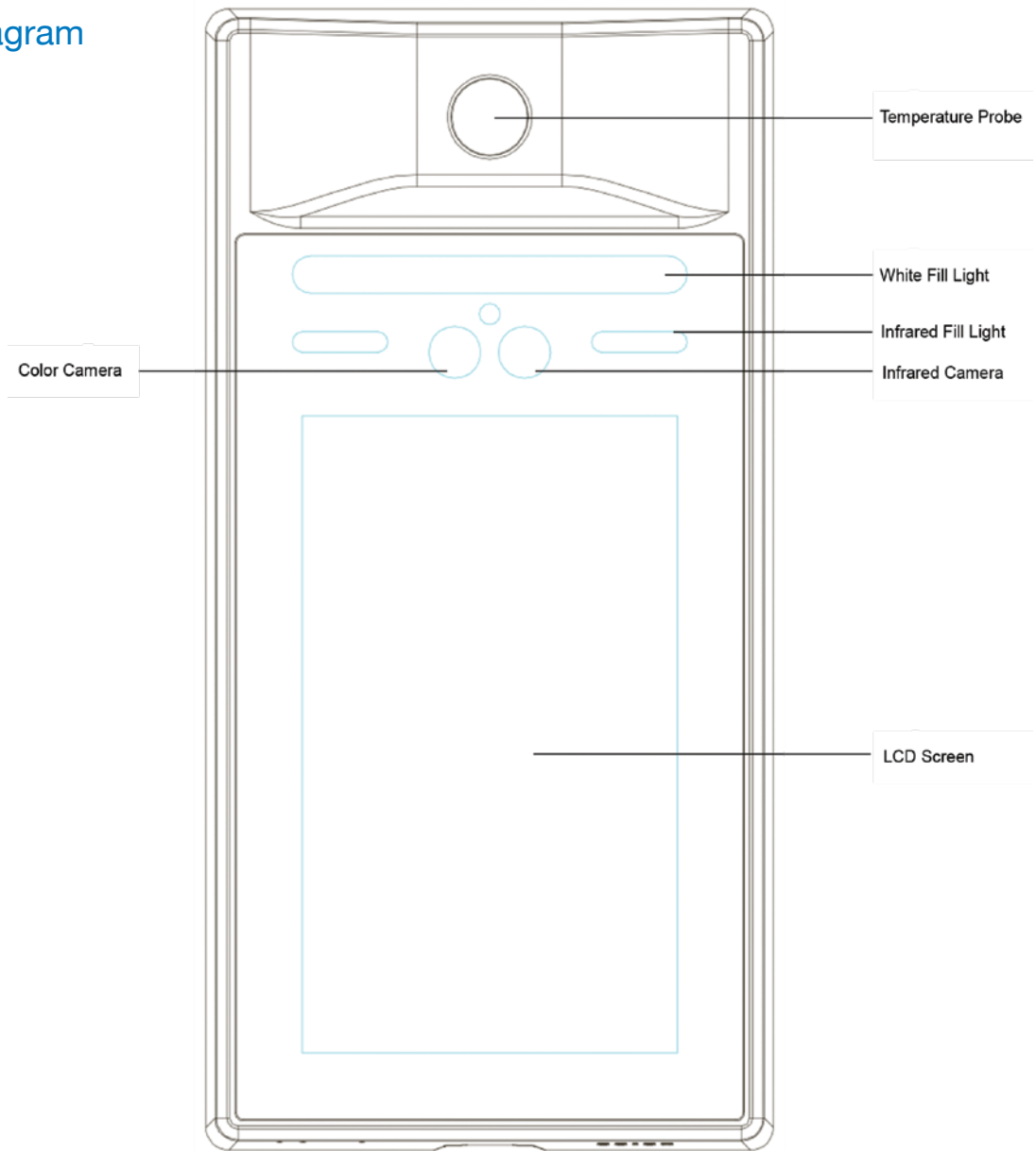| Camera Parameters	
Resolution	Color: 200W (1920 x 1080) / Infrared: 130W (1280 x 960)
Imaging Devices	Color: AR0230 / Infrared: AR0130
Lens	2.9mm
Identification Distance	12 in ~ 47 in (0.3m-1.2m)
Field of View (FOV) Corner	Horizontal: 89° / Vertical: 57° / Diagonal: 98°
Facial Angle	±30°
Minimum Illumination	Color: ≥0.01LUX at F1.2 / Infrared: ≥0.01LUX at F1.2
Signal-to-Noise Ratio	Color: s41dB / Infrared: s44dB
Dynamic Range	Color: .105Db / Infrared: s83.5dB

LCD Parameters	
Screen Size	7 inch (178mm)
Resolution	720*1280

T-Scan 750 Specifications (Cont.)

Interface Parameters	
Network Interface	1 X RJ45 10M / 100M Adaptive Ethernet Port
USB Interface	1 X USB-A Interface 1 X micro USB Interface
Wireless Connection	WIFI - BLE4.0
External Storage	Supported
RS485 Interface	1 X RS485 Interface
Relay Interface	1 X Relay Interface
Fire Door Button	1 X Fire Door Button
Reserved IO	1 X 11-Pin Terminal
Horn	Sound Output
Microphone	Sound Input
Power	DV12V/3A

Smart Features	
Facial Recognition Type	Supports 1:1,1:N,M:N Identification
Facial Recognition Library	Up to 50,000 Identities
Offline Recording	100,000
Identification Accuracy	>99.8%
Live Detection	Bi-eye near-infrared
Facial Detection	1080P@25fps
Facial Recognition Speed	Approx 200ms
Live Detection Speed	Approx 400ms

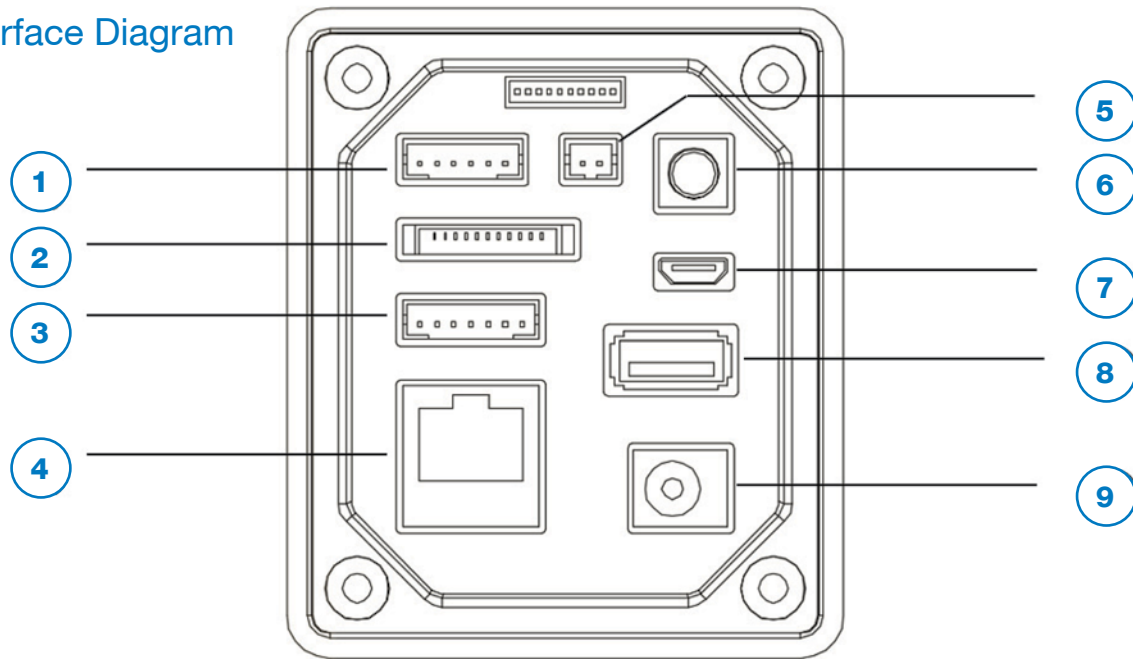| Basic Parameters	
Product Dimensions (length x width x height)	11 in x 5.4 in x 3 in (275 mm x 137 mm x 72.5 mm)
Working Humidity	10%~90%
Operating Temperature	50°F ~ 104°F (10°C ~ 40°C)

T-Scan 750 Specifications (Cont.)

Product Diagram

Temperature Probe

White Fill Light

Infrared Fill Light

Infrared Camera

Color Camera

LCD Screen

Microphone

Reset Button

Speaker

Screw holes for hanging board

T-Scan 750 Specifications (Cont.)

Interface Diagram

(1) **6-PIN Open Button, Door Check, Fire Interface**

1	2	3	4	5	6
SV	GND	NC	Open Button	Door Magnetic	Fire

(2) **11-PIN Reserved IO Interface**

1	2	3	4	5	6	7	8	9	10	11
Invalid	PWRON	107	GND	3.3V	106	105	104	103	102	101

(3) **7-PIN 12V Power Supply, Relay Interface**

1	2	3	4	5	6	7
With	No	NC	GND	GND	12V	12V

(4) **Ethernet Port**

(5) **2-PIN 485 Interface**

1	2
485A	485B

(6) **Tear-down Button**
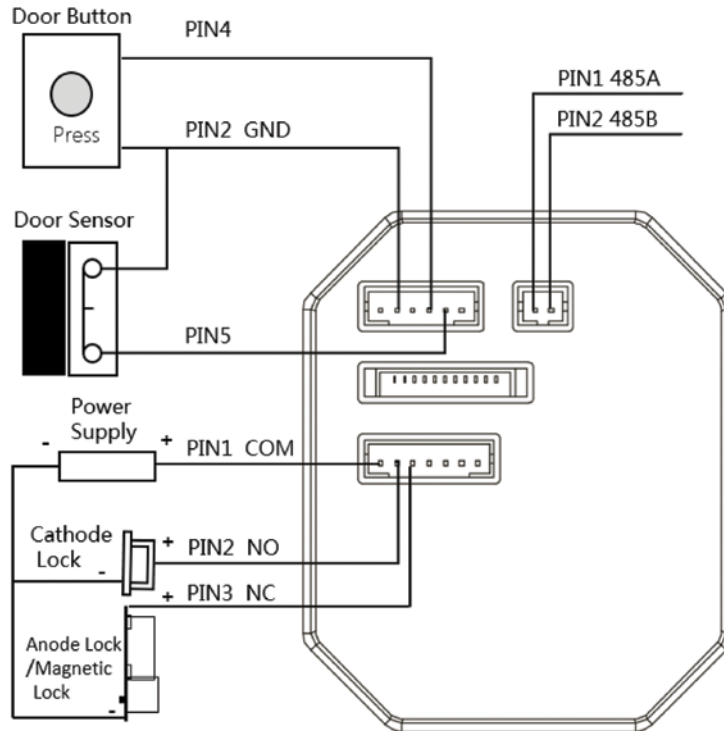
(7) **Micro USB Interface**

(8) **USB-A Interface**

(9) **12V Power Adapter Socket**

T-Scan 750 Specifications (Cont.)

Wiring Diagram

HTML Interface

When used in Company and Education Mode, T-Scan 750 sends information directly from the device to a database that can be accessed via local network or cloud service. This database provides access and customization of the following functions and features:

- Mass upload of employee details, including photos with and without face masks
- Device registration and assignment of entry and exit gates with door locking/unlocking capability
- Historical statistics, including individual body temperature measurements, individual entry/exit and attendance records, temperature alarms, and abnormal photos
- Data export
- Data purge

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