

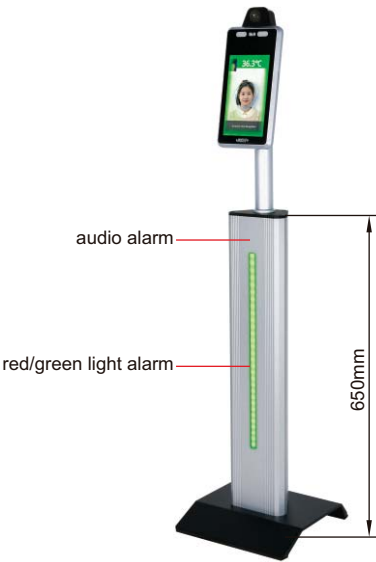
FACE RECOGNITION THERMAL SCANNER 4 IN 1

- TEMPERATURE DETECTION
- MASK DETECTION
- TIME ATTENDANCE
- ACCESS CONTROL



ATF-1612

| Code     | Description     |
|----------|-----------------|
| ATF-1612 | With desk stand |



ATF-1612L

| Code      | Description                   |
|-----------|-------------------------------|
| ATF-1612L | With floor stand for children |



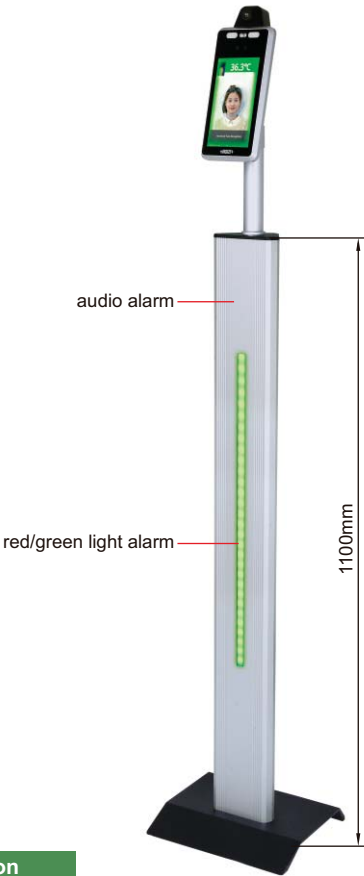
ATF-1612N

| Code      | Description                 |
|-----------|-----------------------------|
| ATF-1612N | With mount for door control |



ATF-1612W

| Code      | Description     |
|-----------|-----------------|
| ATF-1612W | With wall-mount |

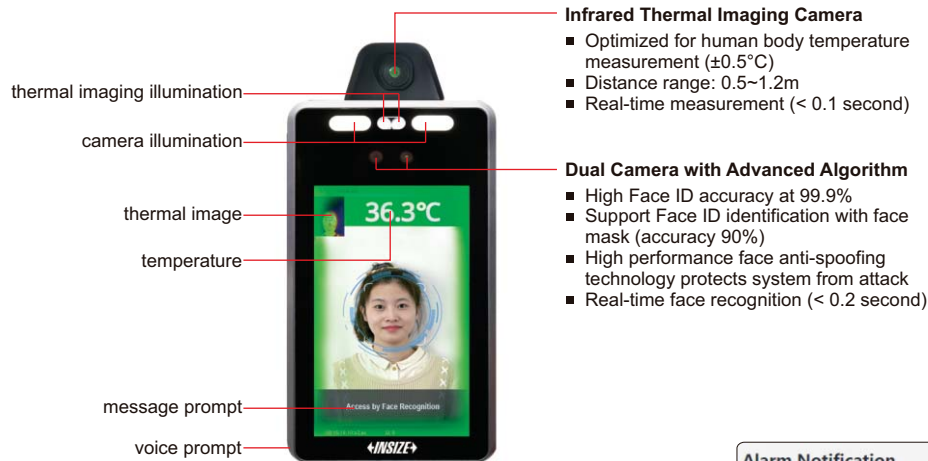


ATF-1612H

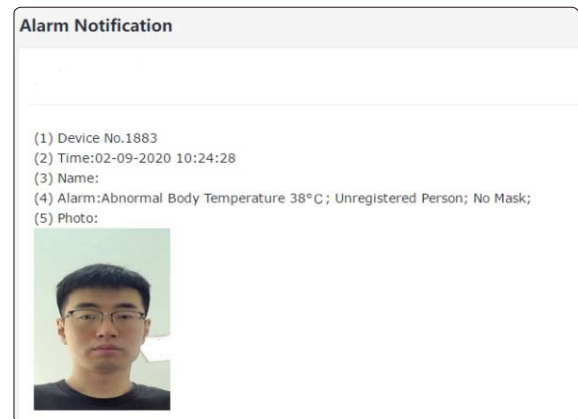
| Code      | Description      |
|-----------|------------------|
| ATF-1612H | With floor stand |

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- This device introduces a highly advanced built-in facial recognition algorithm and high resolution infrared thermal imaging camera. This brand new technology will identify someone by face, even while wearing a face mask. It locates the forehead and measures forehead temperature without touch. This device is the ideal solution for fully automatic contactless access control, time attendance, and temperature measurement.



can be connected with computer through WIFI



automatic email notification  
(abnormal body temperature, no mask, unregistered person)

#### Features:

- **Access at a glance**  
Walk through identification & authorization, no slowing down or stopping needed.
- **Contactless forehead temperature measurement**  
High resolution infrared thermal imaging camera enhanced by an algorithm provides instant and high accuracy forehead temperature measurement with zero human involvement in less than 0.1 second.  
The new technology comes pre-calibrated and has automatic temperature calibration through software and algorithm when the camera is turned on every time. This eliminates the need for a calibration system generally referred to as a black body. This eliminates not just added cost but human error when attempting to calibrate.  
(1) To be used for initial temperature assessment for triage use in high throughput areas (e.g., airports, businesses, warehouses, factories) due to the high detection speed.  
(2) Working distance is 0.5-1.2m and no operation needed, which can avoid inter infection.  
(3) Captures photo of people when abnormal body temperature is detected, which can be used for tracing.
- **High accurate & reliable face ID**  
Built-in world class facial recognition algorithm with dual cameras detects the identification in less than 0.2 seconds with the accuracy rate more than 99.9%. High performance face anti-spoofing technology can resist many kinds of presentation attack, such as, printed photo, the electronic display of a facial photo, replaying video using an electronic display and 3D face masks. Enhanced facial recognition algorithm can identify people even if they are wearing masks with the accuracy rate more than 90%.
- **Detect someone wearing or not wearing a mask**
- **Snapshot function can be disabled to protect privacy**

#### Use:

- This device is for indoor use only. It detects one person at a time.
- The device is used for initial temperature assessment. The final temperature should be confirmed with secondary evaluation methods (e.g., clinical grade contact thermometer).
- Select "Temperature", "Mask" and "Face recognition" as conditions to trigger alarm or to control door opening.
- For hospital / restaurant / hotel / retail store, etc., it can be used as thermal detector and/or mask detector. No need to input facial pictures in advance. It will alert you when the forehead temperature is above the preset target (for example, 37.3°C), for people with or without marks. It can also detect if people wear or not wear masks.
- A plant or school can have this set up at entrance for access control and time attendance, as well as temperature and mask detection. Input face pictures taken with a cell phone in advance for facial recognition. The readings can be monitored in an office.

To be continued

time attendance record including staffs and visitors  
(temperature documentation)

|         | ID        | Name     | Gender | Age | Phone | Time                | Temperature | Mask |
|---------|-----------|----------|--------|-----|-------|---------------------|-------------|------|
| Visitor | 1 001501  | Anderson | 0      | 29  | -     | 2020/07/16-09:06:38 | 35.8°C      | 1    |
|         | 2 001502  | polo     | 0      | 30  | -     | 2020/07/16-09:06:41 | 35.8°C      | 1    |
|         | 3         |          |        |     | -     | 2020/07/16-09:06:43 | 35.9°C      | 1    |
|         | 4 001504  | nich     | 1      | 30  | -     | 2020/07/16-09:06:59 | 35.9°C      | 1    |
|         | 5 001505  | aimly    | 0      | 30  | -     | 2020/07/16-09:07:11 | 35.8°C      | 1    |
|         | 6 001506  | hamer    | 1      | 28  | -     | 2020/07/16-09:08:30 | 36.0°C      | 1    |
|         | 7 001507  | Aaron    | 0      | 32  | -     | 2020/07/17-10:19:56 | 36.3°C      | 0    |
|         | 8 001508  | Barbara  | 0      | 30  | -     | 2020/07/17-10:20:07 | 36.3°C      | 1    |
|         | 9 001509  | Robert   | 1      | 25  | -     | 2020/07/17-10:20:19 | 36.3°C      | 1    |
|         | 10 001510 | Henry    | 1      | 30  | -     | 2020/07/17-10:20:21 | 36.3°C      | 1    |
|         | 11 001511 | Nacy     | 0      | 27  | -     | 2020/07/17-10:20:34 | 36.4°C      | 1    |
|         | 12 001512 | Mike     | 1      | 30  | -     | 2020/07/17-10:20:37 | 35.5°C      | 1    |
|         | 13 001513 | Daisy    | 1      | 31  | -     | 2020/07/17-10:20:39 | 36.3°C      | 1    |
|         | 14 001514 | Emma     | 0      | 31  | -     | 2020/07/17-10:21:10 | 36.6°C      | 0    |
|         | 15 001515 | Jack     | 0      | 30  | -     | 2020/07/17-10:21:13 | 36.3°C      | 1    |

SPECIFICATION

|                                       |   |
|---------------------------------------|---|
| Operation system                      | Linux   |
| Display                               | 7 inch screen TFT   |
| Speaker                               | voice prompt  |
| Language                              | English, Spanish, etc.  |
| Face database capacity                | 50K   |
| Verification & identification speed   | less than 0.1 second for thermal and less than 0.2 second for facial                      |
| Face anti spoofing                    | printed photo, electronic display of a facial photo, replaying video, 3D face masks, etc. |
| Facial recognition accuracy rate      | >99.9%  |
| Forehead thermometer range & accuracy | 32°C~42°C, ±0.5°C   |
| Work range                            | 0.5~1.2m  |
| Infrared thermal imaging camera       | Uncooled infrared focal plane junction detectors array sensor<br>Resolution: 160x120      |
| Facial recognition camera             | dual 1080p starlight CMOS sensors for visible light and near infrared light               |
| Communication                         | RS232/485, TCP/IP, USB-Host, USB-Client, RJ45   |
| Power supply                          | 12V DC 2A   |
| Ambient temperature                   | 18°C~32°C   |

Application



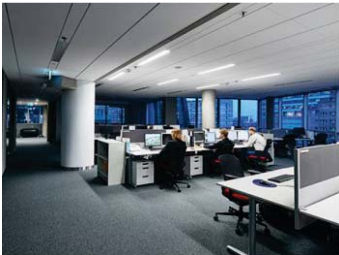
school/campus



public transportation



airport



office



shopping mall



hospital