

# BA8200-T

## Fever Detection & Facial Recognition Terminal



Face



Fever Detection



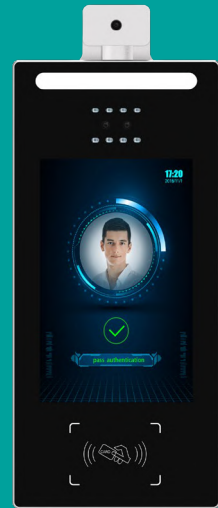
RFID



Mask Detection



Fingerprint (Option)



Secure. Accurate. Hygienic. The Aratek BA8200-T is coupled advanced infrared thermometer, which provides highly-accurate body temperature detection for fever screening in real time. It also equipped with multi-factor authentication that unifies facial recognition, RFID authentication and fingerprint recognition (option) for better security even though mask. The Aratek BA8200-T is delivering a safer and more hygienic mode of authentication and identification while helping detect possible infection cases.



### Advanced Face Recognition Algorithm

The BA8200-T has Aratek's patented face recognition algorithm that the recognition rate is 99.72% in LFW face database.



### Body Temperature Measurement

The infrared thermometer enables fast, accurate and contactless body temperature detection for fever screening.



### 2MP Dual HDR Camera

Allows high quality facial image capture in all lighting conditions, whether in a dark room or in the bright outdoors.



### RFID Card Reader

The built-in RFID card reader provides the secure contactless authentication.



### Mask Detection

The BA8200-T can detect a person's face and trigger an alarm for personnel who do not wear the face mask.



### Fingerprint Recognition (Option)

The BA8200-T is coupled with a durable optical scanner that fully compliant with FBI FAP20, STQC, ISO19794-2, ANSI-378 and WSQ standards.



### Liveness Detection

Support live detection to detect liveness and to ensure user presence even though mask.



### Open Operating System

Android 8.1 operating system, customizable for various applications.



### Blacklist

Connects with client database to monitor, detect and report any entry of blacklisted persons.

## Applications

- Access Control

- Time Attendance

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## Physical Parameter

|                  |   |
|------------------|---|
| Operating System | Android 8.1                                     |
| Processor        | Quad-Core ARM 1.8GHz CPU<br>+ ARM Mali-T76x GPU |
| Memory (RAM+ROM) | 2G + 8G / 4G + 64G (option)                     |
| Display          | 8" IPS touch screen                             |
| Resolution       | 800*1280  |
| Expansion Card   | TF Card, Maximum support to 128G                |
| Weight           | 2.3kg (Wall-mounted), 2.2kg (Gate type)         |
| Dimension        | 148*32*360mm (L*W*H)                            |

## Facial Recognition

|                    |                                       |
|--------------------|---------------------------------------|
| Camera             | 1080P Dual HDR Camera with fill light |
| Distance           | 0.3-1.5m                              |
| Accuracy           | ≥99%                                  |
| Response Time      | ≤1s                                   |
| Mask Detection     | Support                               |
| Liveness Detection | Support                               |
| Face Capacity      | 50,000                                |

## Fingerprint Recognition (Option)

|                     |                |
|---------------------|----------------|
| Fingerprint Capture | Optical Press  |
| Platen Size         | 16*21 mm       |
| Sensing Area        | 15.24*20.32 mm |
| Image Size          | 300*400 pixels |
| Image Resolution    | 500 dpi        |
| Gray Scale          | 256 level      |

## Body Temperature Detection

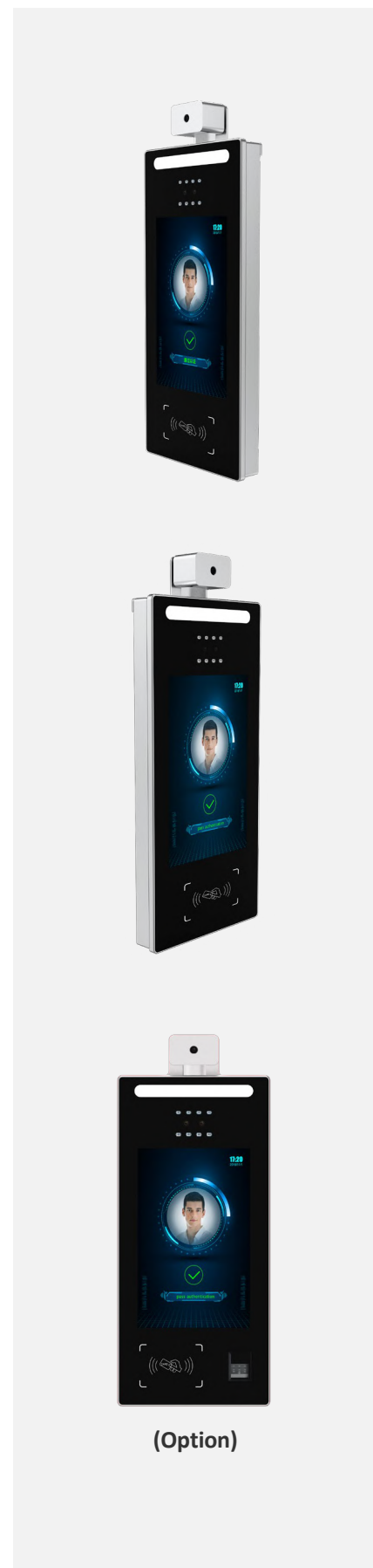
|                    |            |
|--------------------|------------|
| Accuracy           | ±0.3°C     |
| Measuring Distance | 30 to 80cm |

## Credential Reading

|      |                      |
|------|----------------------|
| RFID | ISO14443 A/B, MIFARE |
|------|----------------------|

## Other

|                     |   |
|---------------------|---|
| WiFi                | 802.11b/g/n (option to 802.11a/b/g/n )  |
| Bluetooth           | Bluetooth 4.0                           |
| Interfaces          | Relay, RJ45, TTL, WG, Ethernet, USB 2.0 |
| Adaptor             | 12V/3A                                  |
| Lighting            | Comply with IEC 62471, IEC 60825-1      |
| Working Humidity    | 5%~95%                                  |
| Working Temperature | -10°C ~50°C                             |
| Installation        | Gate type or Wall-mounted installation  |



(Option)

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