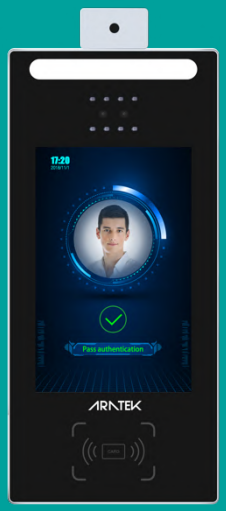
BA8200-T

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 7.1 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 7.1
Processor	Quad-Core ARM 1.8GHz CPU + 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	48*148*337 mm(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	16.0*21.0 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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