

BA8300

Facial Recognition Smart Terminal



Face



RFID



Mask
Detection



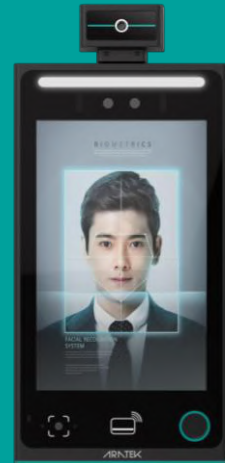
Barcode
(Option)



Fingerprint
(Option)



Fever Detection
(Option)



Secure. Convenient. Integrated. The Aratek BA8300 is a compact and powerful IP65 rated facial recognition terminal with multi-factor authentication capability that allows facial ID authentication, fingerprint recognition, barcode scanning and RFID card reading at once, it also enables fast body temperature measurement and mask detection to protect public health and safety. The BA8300 facial recognition terminal is the ultimate digital identity workhorse that delivers unparalleled results and provides a versatile access control & time attendance solution so critical in times such as the COVID-19 pandemic.



Advanced Face Recognition Algorithm

The BA8300 has Aratek's patented face recognition algorithm that the recognition rate is 99.72% in LFW face database.



Fingerprint Recognition Capability (Option)

The BA8300 is coupled with a durable fingerprint scanner.



Liveness Detection

Support live detection to detect liveness and to ensure user presence.



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.



Rugged and Durable

IP65 rating to protect from water and dust.



Barcode Scanning (Option)

Support fast barcode scanning



Open Operating System

Android 8.1 operating system, customizable for various applications.



Body Temperature Measurement (Option)

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



Mask Detection

The BA8300 can detect a person's face and trigger an alarm for personnel who do not wear the face mask.

Applications

- Access Control

- Time & Attendance

BA8300 Facial Recognition Smart Terminal

Physical Parameter

Operating System	Android 8.1
Processor	Quad-Core ARM 1.8GHz CPU
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	1.1kg (Wall-mounted), 1.5kg (Gate type)
Dimension	138*23*258mm (L*W*H)

Facial Recognition

Camera	1080P Dual HDR Camera with fill light
Distance	0.3~2m
Accuracy	≥99.72%
Response Time	≤1s(10k); ≤3s(50k)
Mask Detection	Support
Liveness Detection	Support

Fingerprint Recognition (Option)

Fingerprint Capture	Capacitive Touch
Sensing Area	9.6*9.6 mm
Image Size	192*192 pixels

Body Temperature Detection (Option)

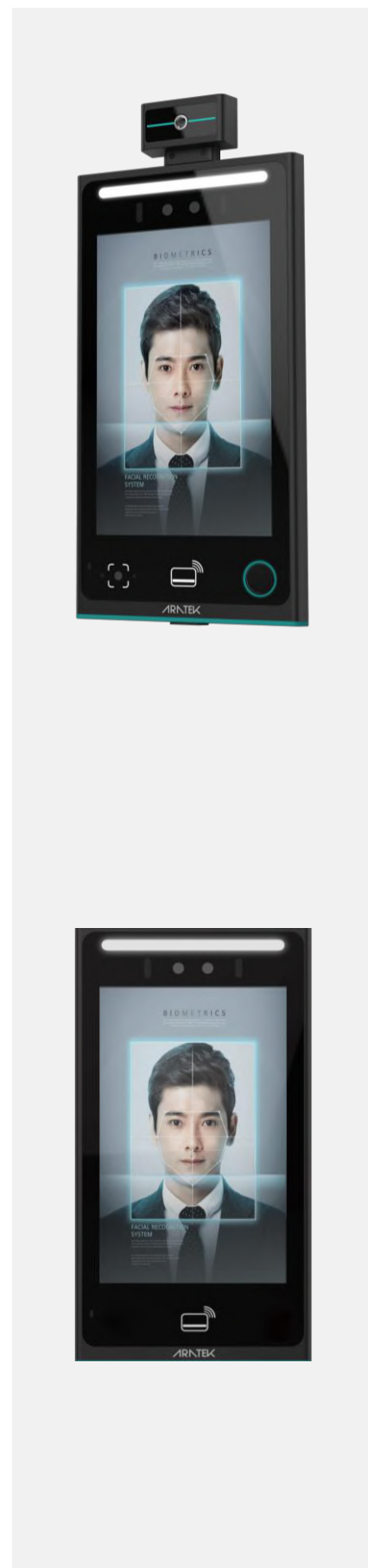
Accuracy	±0.3°C
Measuring Distance	30~80 cm

Credential Reading

RFID	ISO14443 A/B, MIFARE
Barcode Reader (Option)	1D, 2D, PDF417, QR code, Code39

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/2A
Tamper Protection	Option
Working Humidity	0%~95%
Working Temperature	-20°C~50°C
IP Protection	IP65
Installation	Gate type or Wall-mounted installation



Aratek Biometrics Co., Ltd.

© 10F, No. 131, Songjiang Road, Zhongshan District, Taipei City 10491, Taiwan

+886 2-2501-0001

sales@aratek.co

www.aratek.co

©Copyright 2020. Aratek Biometrics Co., Ltd.

Aratek logo is a registered trademark of Aratek or a related company. All other product and company names mentioned are used for identification purposes only and may be the trademark of their respective owners.

All specifications are subject to change without notice. All rights reserved.