

BA8300

Facial Recognition Smart Terminal



Face



Fingerprint



RFID



Barcode



HDR Camera



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

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

Support fast barcode scanning



Open Operating System

Android 8.1 operating system, customizable for various applications.

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	2G RAM + 8G ROM
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*258*18mm (L*W*H)

Facial Recognition

Camera	2M(RGB)+2M(IR)Camera with fill light, 105dB wide dynamic
Distance	0.3~2m
Accuracy	≥99.72%
Response Time	≤1s(10k); ≤3s(50k);
Liveness Detection	Support
Face Capacity	50,000

Fingerprint Recognition

Fingerprint Capture	Capacitive Touch
Sensing Area	9.6*9.6 mm
Image Size	192*192 pixels
Image Resolution	508 dpi
Gray Scale	256 level

Credential Reading

RFID	ISO14443 A/B, MIFARE
QR Reader	1D, 2D, PDF417, QR code, Code39

Other

WiFi	802.11b/g/n
Bluetooth	Bluetooth 4.0
Interfaces	Relay, RJ45, TTL, WG, Ethernet, USB 2.0
Adaptor	12V/2A
Tamper protection	Support
Working Humidity	0%~93%
Working Temperature	-10°C~50°C
IP protection	IP65
Installation	Gate type or Wall-mounted installation



Aratek Biometric Technology 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 Technology 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.