

BA8300

Facial Recognition Smart Terminal



Face



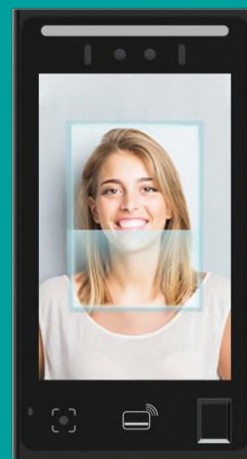
RFID



Fingerprint
(Option)



Barcode
(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. The BA8300 facial recognition terminal serves as the ultimate digital identity workhorse, delivering unparalleled results. It provides a versatile access control and time attendance solution that meets the demands of modern times.



Advanced Face Recognition Algorithm

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



Liveness Detection

Support live detection to detect liveness and to ensure user presence



RFID Card Reader

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



Barcode Scanning (Option)

Support fast barcode scanning



Fingerprint Recognition Capability (Option)

The BA8300 is coupled with a durable fingerprint scanner



Dual Camera

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



Rugged and Durable

IP65 rating to protect from water and dust



Open Operating System

Android 14 operating system, customizable for various applications

Applications

- Access Control
- Time & Attendance
- Visitor Management

BA8300 Facial Recognition Smart Terminal

Basic

Operating System	Android 14
Processor	Quad-Core, 2.0GHz CPU
Memory (RAM+ROM)	3G+32G, 4G+64G or 6G+128G (Option)
Display	8" IPS touch screen
Resolution	800*1280 pixels
SD Card	Micro SD card, Maximum support to 128G
Charger	Input: 100-240V, 50/60hz, Output: 12V/2A
Weight	1.1kg (Wall-mounted), 1.5kg (Gate type)
Dimension (W*L*H)	138*258*23 mm
Temperature and Humidity	Operating: -10°C~50°C, 0%~95% Storage: -20°C~65°C, 0%~95%
Ingress Protection	IP65

Facial Recognition

Camera	1080P Dual Camera with fill light
Distance	0.3~2m
Accuracy	≥99.72%
Response Time	≤1s
Mask Detection	Support
Liveness Detection	Support

Fingerprint Recognition (Option)

Sensor Type	Capacitive, FBI-PIV FAP 10
Sensing Area (W*L)	12.80*18.0 mm
Image Size	256*360 pixels

Credential Reading

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

Communications

Wi-Fi	802.11 a/b/g/n/ac
Bluetooth	BT 5.0
Interfaces	Relay, RJ45, TTL, WG, USB 2.0

Other

Tamper Protection	Option
Installation	Wall-mounted, Turnstile, Floor Stand or Desktop



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