

BA8300

8" Multifaceted Facial Recognition Terminal



The Aratek BA8300 is an 8-inch facial recognition terminal designed to make access control and workforce management more secure, flexible, and easier to manage. With fast face recognition and an LFW-based accuracy rate of 99.72%, it supports smooth everyday access while offering multi-factor authentication through optional fingerprint recognition, contactless card reading, and barcode scanning. Live Face Detection and tamper protection help strengthen system security, while the IP65-rated design and flexible installation options make the BA8300 suitable for doors, turnstiles, reception areas, attendance points, and more.



Advanced Facial Recognition

Fast facial recognition supports smooth everyday access and attendance management.



Live Face Detection

Helps detect presentation attacks and verify that a live user is present for more secure access.



Multi-Factor Authentication

Supports flexible access policies by combining face, fingerprint, card, or barcode credentials.



Optional Fingerprint Recognition

Optional FBI PIV FAP 10 fingerprint recognition adds a trusted biometric factor for higher-security scenarios.



Contactless Card Reading

Built-in contactless card reading provides a familiar and convenient access option for everyday users.



Barcode Scanning Option

Supports common barcode scanning for flexible visitor management and access workflows.



IP65-Rated Protection

Protects against dust and water for dependable indoor and outdoor deployment.



Open Android Platform

Android 14 provides an open platform for application customization and system integration.



Flexible Installation

Supports wall-mounted, turnstile, floor-stand, and desktop deployment to fit different access points.



Tamper Protection

Helps protect the terminal against physical interference in access-control environments.

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Basic

Operating System	Android 14
Processor	CPU: Quad-Core, 2.0GHz NPU: 1 TOPS@INT8
Memory (RAM+ROM)	3G+32G, (Option: 4G+64G/6G+128G)
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

Contactless Reader	ISO14443 A/B, MIFARE
Barcode Reader (Option)	1D, 2D, PDF417, QR code, Code 39

Communications

Wi-Fi	802.11a/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



Applications

- Access Control
- Time and Attendance
- Visitor Management

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