

BA5300

5" Compact Facial Recognition Terminal



Small in Size, Big on Security. The Aratek BA5300 is a compact 5-inch facial recognition terminal delivering high-performance access control in areas with limited installation space. Its sleek, wall-mounted IP65-rated design makes it ideal for narrow indoor or outdoor mounting locations like door frames, wall panels, elevator entrances, or building columns. Powered by AI-driven facial recognition, the BA5300 ensures fast, accurate authentication even in high-traffic environments. It supports multi-factor authentication, including optional fingerprint recognition, contactless card reading, and barcode scanning—providing flexible security tailored to your needs. Running on Android 14 and backed by a comprehensive SDK, the BA5300 offers developer-friendly flexibility for seamless customization and system integration. Whether upgrading entry points or securing tight installation spaces, the BA5300 is the compact, versatile, and powerful solution built to perform.



Compact Design

Compact and modern design enables seamless installation in tight spaces like door frames, elevator panels, and narrow walls.



AI-Powered Facial Recognition

AI-Powered facial recognition with high-speed matching and $\geq 99.72\%$ accuracy.



Multi-Factor Authentication

Supports facial, optional fingerprint recognition, contactless card reading, and barcode scanning for tailored security.



IP65 Protection

Protects against dust and water for reliable indoor and outdoor performance.



Liveness Detection

Detects liveness to ensure user presence and prevent spoofing attempts.



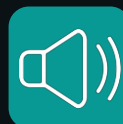
Android-Powered OS

Powered by Android 14 with a comprehensive SDK for seamless integration and customization.



Enhanced Security & Encryption

Integrated hardware encryption and optional tamper protection safeguard data and device.



Dual Microphones

Delivers clear audio interactions during authentication, ideal for busy or noisy 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:2G+32G/4G+64G/6G+128G)
Display	5.5" TFT, touch screen
Resolution	720*1280 pixels
SD Card	Support
Charger	Input: 100-240V, 50/60hz, Output: 12V/2A
Weight	0.6kg
Dimension (W*L*H)	109*203*24 mm
Temperature and Humidity	Operating: -10°C~50°C, 0%~95% Storage: -20°C~65°C, 0%~95%
Ingress Protection	IP65
Temperature Detection	Option

Facial Recognition

Camera	1080P Dual Camera with fill light
Distance	0.3~1.5m
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

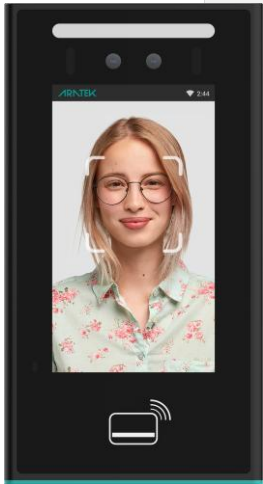
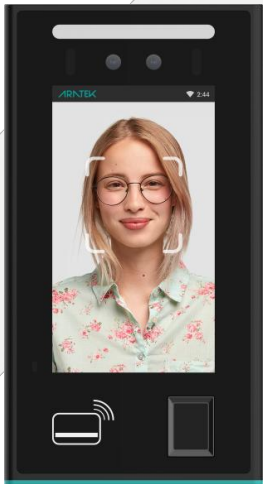
Contactless Reader	Support
Barcode Reader	Software decode

Communications

3G/4G	Option
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



Applications

- Access Control
- Time and Attendance
- Visitor Management

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