BD8500

Facial Recognition Smart Terminal

Face | Fingerprint | Live Detection | 2M HDR Camera | Android 7.1

Powerful. Integrated. Wide application. The BD8500 powerfully integrates facial recognition, fingerprint biometrics, and NFC on the Android operating system, making it ideal for deployment in many diverse identity-based solutions. It runs Aratek's patented TrustFace Algorithm enabling Live Face Detection on the built-in Dual HDR cameras. Combined with its FBI-certified fingerprint sensor, the Aratek BD8500 offers one of the most advanced solutions for ID and authentication in the market today. The Aratek BD8500 simplifies security management so you get the job done easily, seamlessly

Advanced Face Recognition Algorithm

The BD8500 has Aratek's patented face recognition algorithm that the recognition rate is 99.72% in LFW face database.

Fingerprint Recognition Capability

The BD8500 is coupled with a durable optical scanner that fully compliant with FAP20, ISO19794-2, ANSI-378 and WSQ standards.

Liveness Detection

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

2MP Dual HDR Camera

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

Blacklist

Connects with client database to monitor, detect and report any entry of blacklisted persons.

LED Fill Light

The LED Fill light improves face recognition performance, and it can be easily customized in 7 different colors that delivering a visually compelling user experience.

Modular Design

The BD8500 equipped fingerprint, camera and OCR modules, offering great flexibility through the ability to optimize and select functionality based on customer needs.

Applications

- **Access Control**
- **Time & Attendance**
- **Visitor Management**
- **Hotel Management**

BA8500 Facial Recognition Smart Terminal

Physical Parameter

Operating System	Android 7.1
Processor	Quad-Core ARM 1.8GHz CPU + ARM Mali-T76x GPU
Memory	2G RAM + 8G ROM or 4G RAM + 64G ROM (option)
Display	11.6” IPS touch screen
Resolution	1920*1080
Expansion Card	TF Card, Maximum support to 128G
Weight	1.71kg
Dimension	159.1*289.1*292.3 mm(L*W*H)

Facial Recognition

Camera	1080P Dual HDR Camera with fill light, 105dB wide dynamic
Distance	0.3-2m
Accuracy	≥99%
Response Time	≤1s
Stranger Detection	Support
Fake Face Alarm	Support
Liveness Detection	Support

Fingerprint Recognition

Fingerprint Capture	Capacitive Press
Platen Size	14.25*19.3 mm
Sensing Area	12.8*18 mm
Image Size	256*360 pixels
Image Resolution	508 dpi
Gray Scale	256 level

Other

WiFi	802.11b/g/n (option to 802.11a/b/g/n)
Bluetooth	Bluetooth 4.0
Interfaces	RJ45, HDMI, Ethernet, USB 2.0
Adaptor	12V/5A
Lighting	Comply with IEC 62471, IEC 60825-1
Working Humidity	5%~90%
Working Temperature	-20℃ ~50℃
Installation	Table model

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