

BA8200 Facial Recognition Smart Terminal



Face



Fingerprint



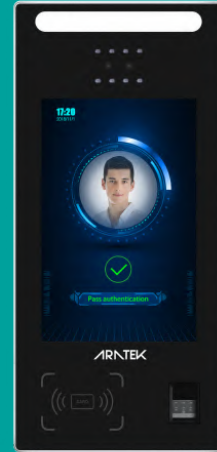
RFID



Liveness Detection



2M HDR Camera



Secure. Integrated. Accurate. The Aratek BA8200 is coupled with multi-factor authentication that unifies fingerprint recognition, facial recognition and RFID authentication for better security. It also runs Aratek's patented face recognition algorithm to enable liveness detection. Combined with its FBI PIV, FAP 20 and STQC compliant fingerprint sensor, the Aratek BA8200 offers one of the most advanced solutions for ID and authentication in the market today.



Advanced Face Recognition Algorithm

The BA8200 has Aratek's patented face recognition algorithm that the recognition rate is 99.72% in LFW face database.



Fingerprint Recognition Capability

The BA8200 is coupled with a durable optical scanner that fully compliant with FAP 20, 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.



RFID Card Reader

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



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.



Blacklist

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



Open Operating System

Android 8.1 operating system, customizable for various applications.

Applications

● Access Control

● Time & Attendance

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Physical Parameter

Operating System	Android 8.1
Processor	Quad-Core ARM 1.8GHz CPU + ARM Mali-T76x GPU
Memory	2G RAM + 8G ROM or 4G RAM + 64G ROM (option)
Display	8" IPS touch screen
Resolution	800*1280
Expansion Card	TF Card, Maximum support to 128G
Weight	1.9kg (Wall-mounted), 2.2kg (Gate type)
Dimension	148*28*320.5mm (L*W*H)

Facial Recognition

Camera	1080P Dual HDR Camera with fill light, 105dB wide dynamic
Distance	0.3~1.5m
Accuracy	≥99%
Response Time	≤1s
Liveness Detection	Support
Face Capacity	50,000

Fingerprint Recognition

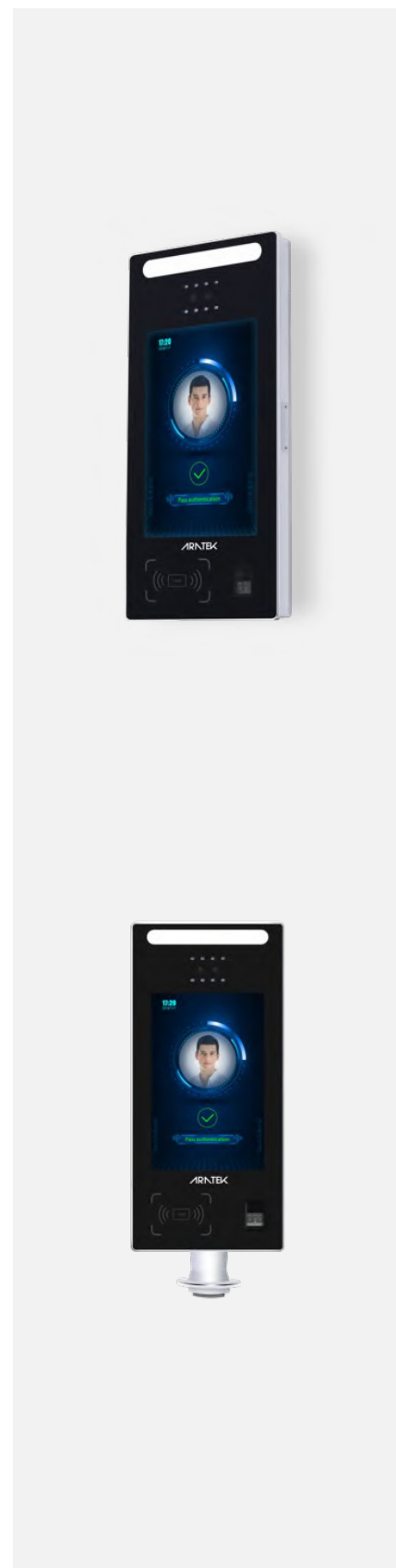
Fingerprint Capture	Optical Press
Platen Size	16*21 mm
Sensing Area	15.24*20.32 mm
Image Size	300*400 pixels
Image Resolution	500 dpi
Gray Scale	256 level

Credential Reading

RFID	ISO14443 A/B, MIFARE
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Other

WiFi	802.11b/g/n (option to 802.11a/b/g/n)
Bluetooth	Bluetooth 4.0
Interfaces	Relay, RJ45, TTL, WG, Ethernet, USB 2.0*2
Adaptor	12V/3A
Lighting	Comply with IEC 62471, IEC 60825-1
Working Humidity	5%~95%
Working Temperature	-10°C~50°C
Installation	Gate type or Wall-mounted installation



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