

BA8200

Facial Recognition Smart Terminal



Face



Fingerprint



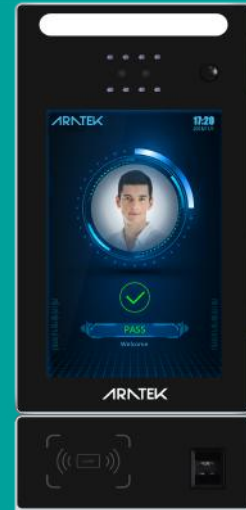
Live Detection



2M HDR Camera



Android 7.1



Secure. Integrated. Accurate. The Aratek BA8200 is coupled with multi-factor authentication that unifies fingerprint recognition, facial recognition and contactless card reader for better security. It also runs Aratek's patented TrustFace Algorithm enabling Live Face Detection on the built-in Dual HDR cameras. Combined with its FBI PIV, FAP20 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 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.

Applications

● Access Control

The BA8200 Provides fast and accurate access for visitor verification and turnstile control while improving public safety.

● Time & Attendance

The BA8200 optimize your attendance systems, taking the guesswork and inefficiencies out of time-keeping and attendance monitoring.

BA8200 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	8" IPS touch screen
Resolution	800*1280
Expansion Card	TF Card, Maximum support to 128G
Weight	2.3kg (Wall-mounted), 2.2kg (Gate type)
Dimension	48*148*337 mm(L*W*H)

Facial Recognition

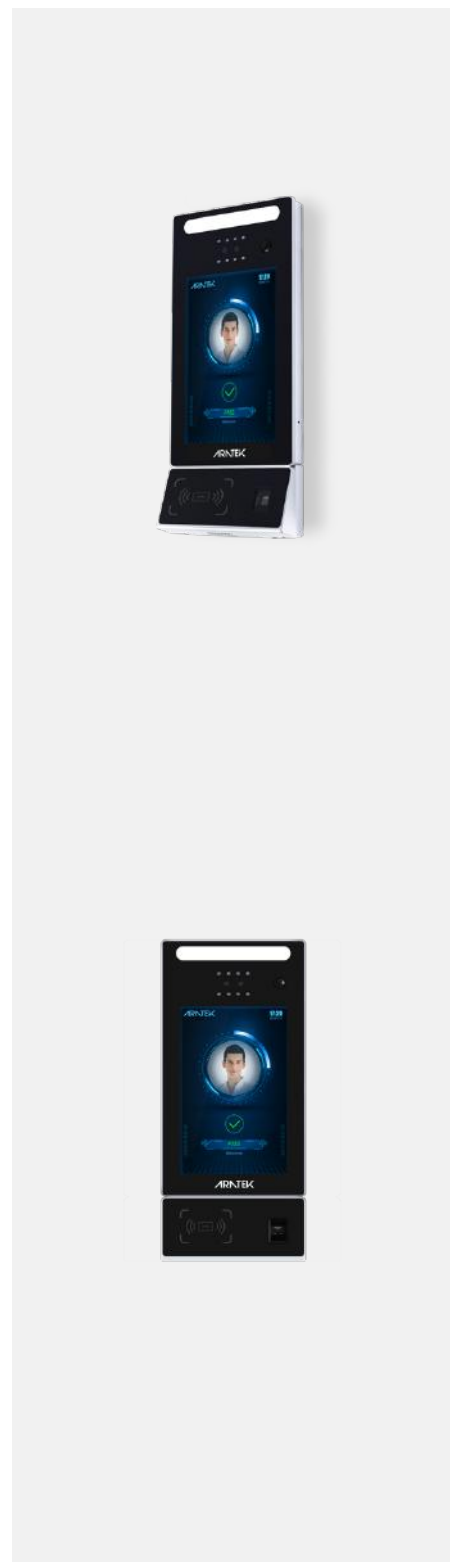
Camera	1080P Dual HDR Camera with fill light, 105dB wide dynamic
Distance	0.3-1.5m
Accuracy	≥99%
Response Time	≤1s
Stranger Detection	Support
Fake Face Alarm	Support
Liveness Detection	Support

Fingerprint Recognition

Fingerprint Capture	Optical Press
Platen Size	16.0*22.0 mm
Sensing Area	14.0*18.0 mm
Image Size	256*360 pixels
Image Resolution	500 dpi
Gray Scale	256 level

Other

WiFi	802.11b/g/n (option to 802.11a/b/g/n)
Bluetooth	Bluetooth 4.0
Interfaces	Relay, RJ45, RS232, WG, Ethernet, USB 2.0
Adaptor	12V/5A
Lighting	Comply with IEC 62471, IEC 60825-1
Working Humidity	5%~95%
Working Temperature	-10°C ~50°C
Installation	Gate type installation or Wall-mounted installation



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