

BA8100 Facial Recognition Smart Terminal



Face



Live Detection



2M HDR Camera



Android 8.1



Accuracy. Convenience. Security. The Aratek BA8100 smart facial recognition terminal delivers unequalled authentication performance. It runs Aratek's patented TrustFace Algorithm enabling Live Face Detection on the built-in Dual HDR cameras, resulting in fast and reliable facial ID and authentication. The Aratek BA8100 guarantees outstanding facial recognition-based authentication, making security management easier and more seamless than ever.



Advanced Face Recognition Algorithm

The BA8100 has Aratek's patented face recognition algorithm that the recognition rate is 99.72% in LFW face database.



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.



LED Fill Light

The 360 degrees LED fill light improves face recognition performance, and it can be easily customized in different colors that delivering a visually compelling user experience.



Blacklist

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



Rugged Industrial Design

Come with oval screen and rugged aluminum alloy body design.

Applications

- **Access Control**
The BA8100 Provides fast and accurate access for visitor verification and turnstile control while improving public safety.
- **Time & Attendance**
The BA8100 optimize your attendance systems, taking the guesswork and inefficiencies out of time-keeping and attendance monitoring.

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Physical Parameter

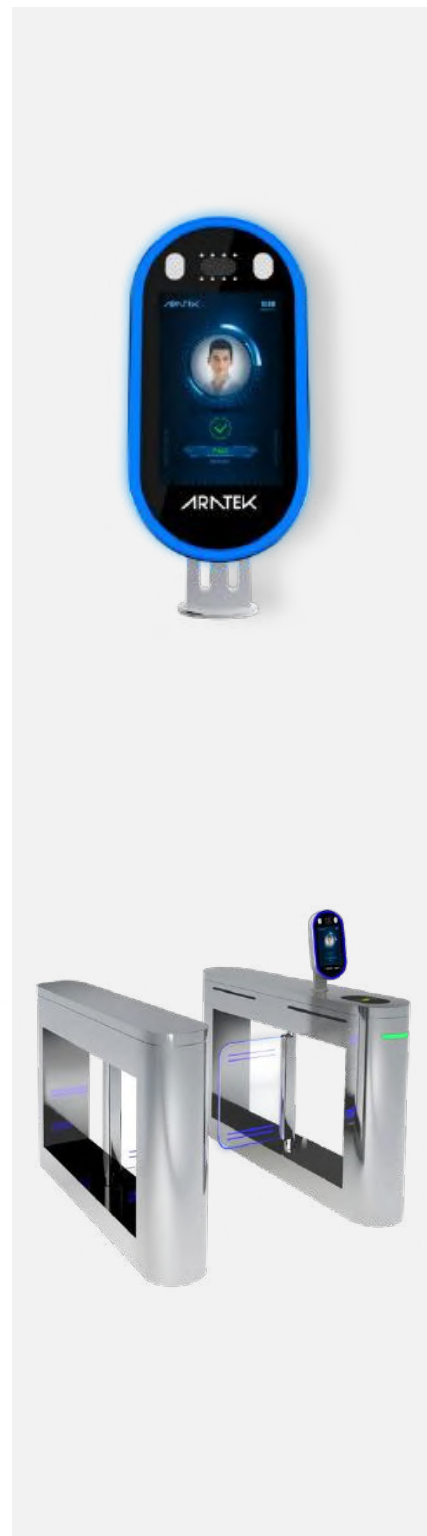
Operating System	Android 8.1
Processor	Quad-Core ARM 1.8GHz CPU + ARM Mali-T76x GPU
Memory	2G RAM + 8G ROM or 4G RAM + 64G ROM (option)
Display	8" IPS touch screen
Resolution	800*1280
Expansion Card	TF Card, Maximum support to 128G
Weight	2.5kg
Dimension	103.5*160.5*376.8mm(L*W*H)

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

Other

WiFi	802.11b/g/n (option to 802.11a/b/g/n)
Bluetooth	Bluetooth 4.0
Interfaces	Relay, RJ45, RS232, WG, USB 2.0
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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