

## BA8300

### Facial Recognition Smart Terminal



Face



RFID



Fingerprint  
(Option)



Barcode  
(Option)



Secure. Convenient. Integrated. The Aratek BA8300 is a compact and powerful IP65 rated facial recognition terminal with multi-factor authentication capability that allows facial ID authentication, fingerprint recognition, barcode scanning and RFID card reading at once. The BA8300 facial recognition terminal serves as the ultimate digital identity workhorse, delivering unparalleled results. It provides a versatile access control and time attendance solution that meets the demands of modern times.



#### Advanced Face Recognition Algorithm

The BA8300 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



#### RFID Card Reader

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



#### Barcode Scanning (Option)

Support fast barcode scanning



#### Fingerprint Recognition Capability (Option)

The BA8300 is coupled with a durable fingerprint scanner



#### Dual HDR Camera

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



#### Rugged and Durable

IP65 rating to protect from water and dust



#### Open Operating System

Android 12 operating system, customizable for various applications

### Applications

- Access Control
- Visitor Management
- Time & Attendance

# BA8300 Facial Recognition Smart Terminal

## Physical Parameter

Operating System	Android 12
Processor	Quad-Core, 1.8GHz CPU
Memory (RAM+ROM)	2G+16G, 2G+32G or 2G+64G (Option)
Display	8" IPS touchscreen
Resolution	800*1280
SD Card	Micro SD card, Maximum support to 128G
Weight	1.1kg (Wall-mounted), 1.5kg (Gate type)
Dimension (W*L*H)	138*258*23 mm

## Facial Recognition

Camera	1080P Dual HDR Camera with fill light
Distance	0.3~2m
Accuracy	≥99.72%
Response Time	≤1s(10k); ≤3s(50k)
Mask Detection	Support
Liveness Detection	Support

## Fingerprint Recognition (Option)

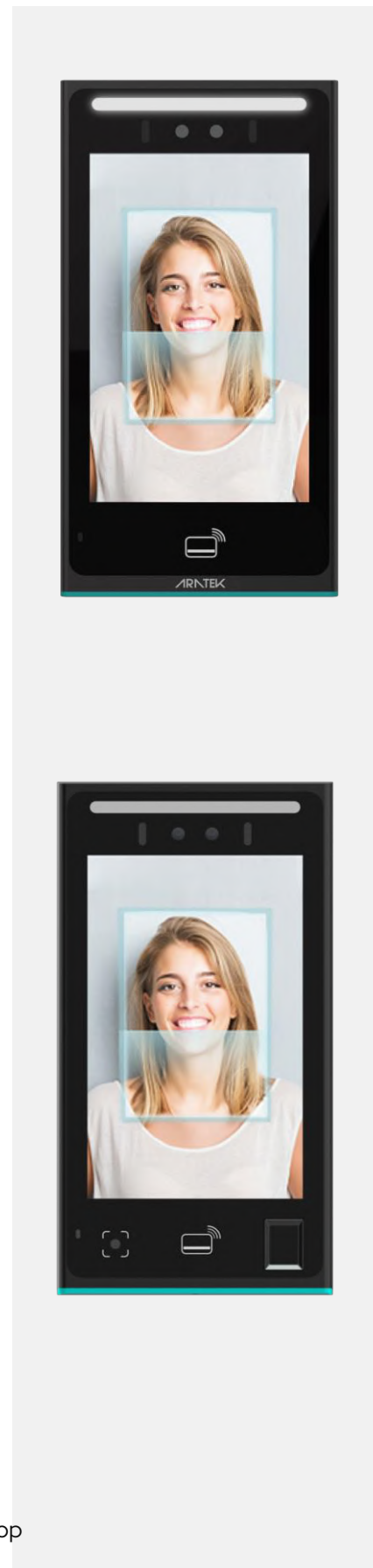
Sensor Type	Capacitive, FBI-PIV FAP 10
Sensing Area (W*L)	12.80*18.0mm
Image Size	256*360pixels

## Credential Reading

RFID	ISO14443 A/B, MIFARE
Barcode Reader (Option)	1D, 2D, PDF417, QR code, Code39

## Other

WiFi	802.11 a/b/g/n/ac
Bluetooth	Bluetooth 4.0
Interfaces	Relay, RJ45, TTL, WG, USB 2.0
Adaptor	12V/2A
Tamper Protection	Option
Operating Humidity	0%~95%
Operating Temperature	-10°C~50°C
IP Protection	IP65
Installation	Wall-mounted, Turnstile, Floor Stand or Desktop



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