





Model	BA8100	BA8200	BA8200-T	BD8500
General				
Picture				
Physical Parameter				
Operating System	Android 7.1	Android 7.1	Android 7.1	Android 7.1
Processor	Quad-Core ARM 1.8GHz CPU + ARM Mali-T76x GPU	Quad-Core ARM 1.8GHz CPU + ARM Mali-T76x GPU	Quad-Core ARM 1.8GHz CPU + ARM Mali-T76x GPU	Quad-Core ARM 1.8GHz CPU + ARM Mali-T76x GPU
Memory	2G RAM + 8G ROM 4G RAM + 64G ROM (option) External TF card (up to 128G)	2G RAM + 8G ROM 4G RAM + 64G ROM (option) External TF card (up to 128G)	2G RAM + 8G ROM 4G RAM + 64G ROM (option) External TF card (up to 128G)	2G RAM + 8G ROM 4G RAM + 64G ROM (option) External TF card (up to 128G)
Display	8" IPS touch screen	8" IPS touch screen	8" IPS touch screen	11.6" IPS touch screen
Resolution	800*1280	800*1280	800*1280	1920*1080
Weight	2.5kg	2.3kg (Wall-mounted) 2.2kg (Gate type)	2.9kg (Wall-mounted) 3.1kg (Gate type)	1.71kg
Dimension	103.5*160.5*376.8mm(L*W*H)	48*148*337 mm(L*W*H)	48*148*337 mm(L*W*H)	159.1*289.1*292.3 mm(L*W*H)
Facial Recognition				
Camera	1080P Dual HDR Camera with fill light, 105dB wide dynamic	1080P Dual HDR Camera with fill light, 105dB wide dynamic	1080P Dual HDR Camera with fill light	1080P Dual HDR Camera with fill light, 105dB wide dynamic
Distance	0.3-1.5m	0.3-1.5m	0.3-1.5m	0.3-2m
Accuracy	≥99%	≥99%	≥99%	≥99%
Response Detection	≤1s	≤1s	≤1s	≤1s
Mask Detection	/	/	Support	/
Liveness Detection	Support	Support	Support	Support
Face Capacity	50,000	50,000	50,000	50,000
Body Temperature Detection				
Accuracy	/	/	±0.3℃	/
Measuring Distance	/	/	30~80cm	/
Fingerprint Recognition				
Fingerprint Capture	/	Optical	Optical	Capacitive
Platen Size	/	16*21 mm	16*21 mm	14.25*19.3 mm
Sensing Area	/	15.24*20.32 mm	15.24*20.32 mm	12.8*18 mm
Image Size	/	300*400 pixels	300*400 pixels	256*360 pixels
Image Resolution	/	500 dpi	500 dpi	508 dpi
Grayscale	/	256 level	256 level	256 level
Credential Reading				
RFID	/	ISO14443 A/B, MIFARE	ISO14443 A/B, MIFARE	/
Other				
Wi-Fi	802.11 b/g/n (option to 802.11 a/b/g/n)	802.11 b/g/n (option to 802.11 a/b/g/n)	802.11 b/g/n (option to 802.11 a/b/g/n)	802.11 b/g/n (option to 802.11 a/b/g/n)
Bluetooth	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0
Interfaces	Relay, RJ45, RS232, WG, USB 2.0	Relay, RJ45, TTL, WG, Ethernet, USB 2.0	Relay, RJ45, TTL, WG, Ethernet, USB 2.0	RJ45, HDMI, Ethernet, USB 2.0
Adapter	12V/5A	12V/3A	12V/3A	12V/5A
Lighting	Comply with IEC 62471, IEC 60825-1	Comply with IEC 62471, IEC 60825-1	Comply with IEC 62471, IEC 60825-1	Comply with IEC 62471, IEC 60825-1
Temperature and Humidity	-10~50℃, 5~95% R.H	-10~50℃, 5~95% R.H	-10~50℃, 5~95% R.H	-20~50℃, 5~90% R.H
Installation	Gate type installation or Wall-mounted installation	Gate type installation or Wall-mounted installation	Gate type or Wall-mounted installation	Table model