

Multimodal Biometric Device

iCAM RP1600 Preliminary

Multimodal Biometric PDA



- Multimodal - Iris & Fingerprint
- High Speed Dual Iris Capture Standards Compliant
- 500 dpi Single Finger Sensor
- MRZ & Magnetic Swipe Card Reader
- IP54 Compliant - Dust & Water Resistant
- Connectivity - 4G LTE / HSPA+ / GSM / GPRS
- Wireless WAN & LAN, GPS
- Various Ready-to-use Accessories
Cradles, Direct Auto Charger Kit, Snap on FP Sensor

Technical Specifications

iCAM RP1600

CPU	1.8GHz Octa-core processor (SAMSUNG Exynos)
OS	Android 4.4 KitKat (Version 6.0 upgradable)
Dimensions	139mm(H) x 73mm(W) x 21mm(D) 5.4inch(H) x 2.8inch(W) x 0.8inch(D)
Weight	250g (8.8oz) with 1860mAh Battery 300g (10.6oz) with 4000mAh Battery
Display	4.3Inch / WVGA(480x800)
Touch Panel	Capacitive touch (Optional : Resistive touch)
Operating Temperature	-20 C ~ 60 C (-4 F ~ 140 F)
Storage Temperature	30 C ~ 70 C (-22 F ~ 158 F)
Humidity	Non-condensing, 93%
Camera	13Mega Pixel Camera with Autofocus and LED Flash
Wireless WAN	Gemalto PLS8-E, 4G LTE support : 800, 900, 1800, 2600MHz UMTS / HSPA+, Triple band : 900, 1800, 2100MHz GSM / GPRS / EDGE, Dual band : 900, 1800MHz
Wireless LAN	IEEE 802.11 a/b/g/n
Bluetooth	Bluetooth 4.0+HS
GPS	Embedded A-GPS

Iris Camera (Opal)

Camera	5MP B&W CMOS sensor
Operating Range	320±40mm(11"~14")
Resolution	Above 160 pixel/cm
Iris Capture Volume	130mm x 46mm x 80mm
Illumination	IR LED
Image	2592 x 920 x 30 Frame
Dimension	56mm(W) x 21mm(H) x 10mm(D)

Fingerprint Module

Sensor Type	Touch Area Sensor
Sensing Area	8mm x 8mm x 0.7mm (WxHxD)
Sensing Array	192 x 192 Pixel (508dpi)
Pixel Resolution	256 Gray scale values
1 Finger 1 Template Data	256 Byte

OCR (MRZ Reader)

Standard OCR Fonts	OCR-B and E13B
Machine Readable	2 lines of 44 characters
Passports (MRP)	
Machine Readable	2 lines of 44 characters, 2 lines of 36 characters
Visas (MRV)	
Travel Documents	2 lines of 36 characters, 3 lines of 30 characters
Field of View Object Height	19.6 mm nominal
Depth of Field	1.5 mm maximum from imager window

MSR (Magnetic Swipe Card Reader)

Magnetic Swipe Reader	Reads magnetic cards complying with ISO7811/2-5
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Accessories



Desktop Cradle



Snap on

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