

BAYOMETRIC

Integrated Biometrics Sherlock

DUAL FLAT PRINT AND SINGLE FINGER ROLL SCAN



PRODUCT DESCRIPTION

The Integrated Biometrics Sherlock is an FBI appendix F certified two-finger roll scanner. The scanner is capable of producing high quality fingerprint images for dual flat and single finger roll without the use of membranes. The Sherlock is one of the most sought after scanners for use in mobile PCs, handheld devices and other custom devices requiring biometric security.

Sherlock uses the patented IB LES technology for scanning images. This ensures that the scanner delivers high quality images compliant with FBI standards even if it is used under harsh operating conditions. The scanner can easily produce high quality images even if operated with wet, dry, aged or scarred fingers under direct sunlight or other harsh ambient conditions.

Sherlock is also a very compact product and can either function as a standalone biometric scanner or be integrated into existing products such as tablets, mobiles and smart phones. The product consumes less than 300 mA under full scanning TFT and less than 2 mA when idle making it very power efficient. The device integrates perfectly with any platform working on Windows, Linux or Android OS.

APPLICATIONS

Military

Law enforcement

Airport/border security

Financial institutions

Health care

KEY FEATURES

Live finger detection

Significantly smaller, lighter and thinner sensor

Impact resistant and able to withstand the toughest conditions with minimal maintenance or damage

Not affected by bright lights or direct sunlight

Collects dry fingers without moisturizers or silicon membranes

Not affected by latent prints or fingerprint oils left behind by previous users

TECHNICAL SPECIFICATIONS

Resolution	500 PPI
Sensing Area	1.6" (W) x 1.5" (H)
Image Size	800 (W) x 750 (H) pixels
Scanner Physical Size	65.4 mm x 61.6 mm x 14.3 mm
Interface	USB 2.0
USB Certification Spec	USB-IF USB.ORG
USB Power Requirement	4.40V – 5.25V, Full Scanning TFT <300mA; Suspend <2mA
FCC/CE Conformance	FCC Part 15 (per ANSI C62.4:2003) Class A, CSA ICES-003 Class A CE Emissions: EN 55022:2006 Class A CE Immunity EN 55024:1998/A1:2001/A2:2003, IEC 61000-4-2
FIPS Certification	GSA FIPS 201 Certified
Vibration Test	per MIL-STD-810F (Method 514.5), Category 24, Fig. 514.5C-17
Product Weight	<60 Grams

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CONTACT

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Air Discharge / Contact Discharge	In compliance with IEC 61000-4-2
Operating Temperature	-20°C ~ +60°C
Humidity	30~85% RH < 40°C (Non-condensing)
RoHS Compliant	RoHS Directive 2002/95/EC
IP65	Sealed bezel to scanning surface
IP67	Available upon request
API Interface	Capture Single Finger Direct – Multi-device / Multi – thread support
OS Support	Windows7, Windows8, Linux, Android 4.0
Surface Durability	MIL-C-675c 4.5010, MIL-STD-810F
Surface Resistance	Ammonia, IPA, Methanol, Soaps/detergents, Salt Water
Speed	>10 FPS: 1.6 GHZ Atom Z530 processor

ABOUT BAYOMETRIC

Bayometric is a leading global provider of biometric security systems offering core fingerprint identification solutions. Our products and solutions help enterprises, government agencies, custom application developers and system integrators meet their security, identification and access management requirements.

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