

# BAYOMETRIC

## Integrated Biometrics Watson Mini

FBI APPENDIX F CERTIFIED TWO-FINGER ROLL SCANNER



### PRODUCT DESCRIPTION

The Watson Mini is the world's first optical fingerprint scanner featuring Integrated Biometrics light emitting sensor (LES) technology. The conventional limitations of glass prism scanners are no longer a factor. There is no need to clean between finger rolls. Its ergonomic design and light weight make the device ideal for live scan field applications.

The high-resolution scanner is accurate, capturing superior images even in the harshest operating environments. It handles dirty fingers, dust, and direct sunlight that can make scanning especially challenging. The strong, rugged construction and low energy consumption also make it ideal for mobile use. It weighs just 85 grams.

IB delivers software development kits for capture as well as enrollment and verification. The kits ensure compatibility and integration with cloud-based storage systems and other platforms. There are no extra licensing fees. The Watson Mini is FBI Appendix F certified. It also provides cost-effective ten print enrollment capability. The device is easy to use and self-calibrating. It produces fast, high quality images on mobile computers and handheld devices. Maintenance requirements are minimal. IB's thin-form, patented LES film is also durable and abrasion resistant.

### APPLICATIONS

Standalone fingerprint scanner

Embedded module for mobile applications

### KEY FEATURES

Small, light, and fast multi-fingerprint scanner

Dual -flat print and single-finger roll scan

Operates in direct sunlight

Excellent with dry and dirty fingers

Durable and shock resistant

Requires no cleaning

### TECHNICAL SPECIFICATIONS

Resolution	500 PPI
Sensing Area	1.6" x 1.5"
Image Size	800 x 750 pixels
Interface	USB 2.0
USB Certification Spec	USB-IF USB.ORG
USB Level	4.40V – 5.25V
FIPS Certification	GSA FIPS 201 Certified
Speed	10 FPS for Galaxy Nexus 1.2 GHz dual-core ARM Cortex-A9 or equivalent 17 FPS for Intel 2.8GHz Processor or equivalent processor
Product Options	Embedded Watson Mini (wings, pigtail, no feet) Standalone Watson Mini (feet, USB cable 1.5 m, no wings)
Product Weight	Watson-Mini (no feet, no wings, pigtail): 85g Watson-Mini (no feet, no wings, USB cable 1.5m): 144g

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#### KEY SPECIFICATIONS

Resolution: 500 dpi

Image capture area (Platen size):  
20 x 25 mm (0.8" x 1.0")

Image size: 400 x 500 pixels

Sensor type: Hybrid (optical and capacitive)

Device size: Desktop reader: 66 x 75 x 48 mm (2.6" x 3.0" x 1.9") & OEM module without circuit board: 47 x 39 x 28 mm (1.8" x 1.5" x 1.1")

#### CONTACT

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#### LINKS



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Grayscale	256 Grayscale Dynamic Range
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	Yes
IP67	Available upon request
API Interface	Capture Two Finger Direct and Single Finger Roll Image. 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
Vibration Test	per MIL-STD-810F (Method 514.5), Category 24, Fig. 514.5C-17

#### 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.