



## FBI APPENDIX F FAP 45 CERTIFIED TWO-FINGER ROLL SCANNER



Amazingly small, incredibly durable,  
remarkably efficient FAP 45 scanner



IB's patented Light Emitting Sensor (LES) film  
produces the highest quality fingerprint  
images in the certified market



Applications: Standalone fingerprint scanner  
Embedded module for mobile applications  
also available

## BENEFITS

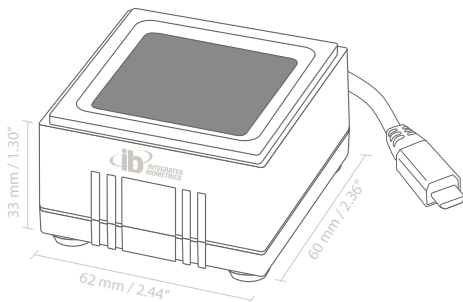
- Enables fingerprint capture in standalone applications and in combination with commercial smart phones and tablets
- Light weight (85 grams)
- Dual flat print and single finger roll scan
- No membranes
- Ideal for use with mobile computers or hand-held devices
- Ergonomically easy to use
- Latent prints are not recognized
- Excellent with dry and dirty fingers
- Durable and shock resistant
- Does not generate light when used in darkness
- Operates in direct sunlight
- Always on automatic self calibration

## SUPPORTED DEVICES

IB products support Android Operating System version 4.2 and higher. Products have been tested with a complement of Android devices including the following:

- Google NEXUS
- Google NEXUS 7 tablet
- LG Optimus G Pro
- LG Optimus G2
- SAMSUNG Galaxy Note 2
- SAMSUNG Galaxy Note 3
- SAMSUNG Galaxy S3
- SAMSUNG Galaxy S4
- SAMSUNG Galaxy S5
- SAMSUNG Galaxy S6
- SAMSUNG Galaxy S7

Devices that are not listed should be tested for interoperability prior to field use.



## SPECIFICATIONS

RESOLUTION	500 PPI
SENSING AREA	1.6" x 1.5"
GRAYSCALE	256 Grayscale Dynamic Range
IMAGE SIZE	800 x 750 pixels
SUPPORTED IMAGE FORMATS	RAW, WSQ, BMP, JPEG2000, PNG
INTERFACE	USB 2.0
USB CERTIFICATION SPEC	USB-IF USB.ORG
USB LEVEL	4.40V – 5.25V
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, Certification Mobile ID IQS FAP 45, PIV, GSA FIPS 201, FBI Appendix F 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/WEIGHT	Embedded Watson Mini (wings, pigtail, no feet); 85g Standalone Watson Mini (feet, USB cable 1.5 m, no wings); 144g
DC CURRENT	<40mA idle, <300mA VBUS = +5.0VDC full scanning
POWER SOURCE	USB Host
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 CERTIFIED	RoHS Directive 2002/95/EC
IP65 IP67	Yes Available upon request
API INTERFACE	Capture Two Finger Direct and Single Finger Roll Image. Multi-device / Multi-thread support
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
WARRANTY	1 year hardware warranty (extended warranty available upon request)
OS SUPPORT	Windows 7, 8, 10 and XP, Linux, Android 4.0

