ib INTEGRATED BIOMETRICS

Five-0

FBI Appendix F Certified
FAP 50 Mobile 10-Print Scanner

- Automatic Spoof Rejection
- Software-Based Autodetect

Integrated Biometrics' revolutionary Five-0 is the first FBI certified fingerprint scanner that delivers fast FAP 50 enrollment and verification in a package small enough to fit in a shirt pocket.

Built for law enforcement, military, border control and national ID programs, Five-0 sets the standard for truly mobile identity management operations.

Five-0's compact, lightweight design provides exceptional performance and reliability for field operations. It resists latent fingerprints, dirt, cold, heat, bright lights, and direct sunlight. There are no silicone membranes or light sources to replace. Each unit can operate for hours using power provided by a smartphone or other mobile device.

Available in embedded and standalone versions.

256 AES ENCRYPTION

- Runs for hours connected to a smartphone
- Compact FAP 50 format
- Rugged construction for mobile field operations
- Enables mobile FBI certified Appendix F 10-finger enrollment and verification

Features & Benefits

Faster

- Rapid, dry finger capture
- No need to clean latent prints in high-volume situations
- Easy integration via single SDK for all Integrated Biometrics FBI-certified products

Better

- Unaffected by extreme temperatures, direct sunlight, or bright artificial lights
- Compact, lightweight, and rugged
- Rejects common spoofing attacks
- Emits no bright lights during scans
- Meets or exceeds US military durability specifications

Smarter

- Competitive pricing
- Extremely low power consumption
- Eliminates consumables (silicone membranes or cleaning tape)
- Lower maintenance costs

Five-0 contains protection against tampering through a unique calibration file installed in each serialized unit during production. Attempts to defeat Five-0's security through disassembly or hardware damage alters the device's calibration, rendering that device's imagery unacceptable.

For more on Five-0, visit us at
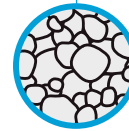integratedbiometrics.com/products/five-0

Light Emitting Sensor Technology

Integrated Biometrics' scanners use our patented light-emitting sensor (LES) technology to deliver fixed and mobile FBI-certified fingerprint imaging in an exceptionally durable, lightweight scanner.
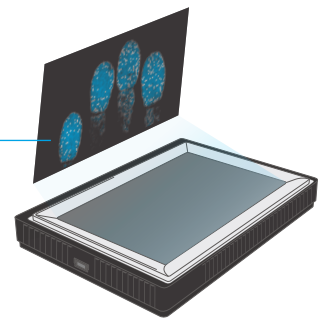
To learn more, go to integratedbiometrics.com/technology

Hardware-based Automatic Spoof Rejection

IB's LES film technology cannot be activated using common types of manufactured, fake fingerprints. Leveraging the electrical properties of human skin, LES film does not luminesce in the presence of fingerprints based on silicone, glues, rubbers, and other non-conductive materials.

LES film contains luminescent phosphor microparticles that respond only to human fingers when they touch the film

Software-based Autodetect

IB's LES technology automatically detects the finger capture that generates the highest quality image without user intervention. Application developers enable this feature through IB's software development kit (SDK).

IB Scan Ultimate Capture SDK

IBScan Ultimate Capture SDK is provided with every Five-0. The SDK contains comprehensive API functions necessary for 10-Print enrollment tasks. Among the API functions supported are:

- Automatic capture and calibration of four finger slaps
- Automatic four-finger segmentation
- Easy Roll print capture with automatic smear detection
- Individual finger NFIQ scoring of segmented slaps and individual rolled images
- Sequence checking for wrong finger or wrong hand detection
- Superior capture of damaged or dry fingers without requiring a silicon pad through our "Touch On Film" technology
- Captured images can be provided to the application in WSQ, RAW, BMP, JPEG2000, and PNG formats

AVAILABLE VERSIONS	PART NUMBER	DESCRIPTION
Five-0	FV11100-000	Desktop Low-Profile Ten-Print & Roll Scanner (no cable)
Five-0 OEM	FV11000-000	Embedded Low-Profile Ten-Print & Roll Scanner (no cable)

ABOUT INTEGRATED BIOMETRICS

Integrated Biometrics (IB), a pioneer in biometrics technology, designs and manufactures advanced, high-resolution touchless identification SDK software and the world's most mobile, durable and reliable FBI-certified fingerprint sensors. Law enforcement, military, homeland security, national identity, election validation, financial and social services organizations around the world rely on Integrated Biometrics products for fast, accurate enrollment, identification and verification, even in remote locations under extreme conditions.

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integratedbiometrics.com

+1 888 840-8034
sales@integratedbiometrics.com

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