

# FBI-Certified Fingerprint Scanners

Compact, durable, and efficient –  
delivering exceptional value and performance,  
even under extreme conditions.



## 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

## IBScan Ultimate Capture SDK

IBScan Ultimate Capture SDK is provided with every IB scanner. 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





**KOJAK | FAP 60, FBI Appendix F**

- Encrypted communications between scanner and host application
- Supports FBI Certified Appendix F 10-finger enrollment and verification
- LED graphical user interface
- Designed for fixed and mobile applications
- Lowest power consumption of any comparable FAP 60 scanner
- Optional private labeling

	WEIGHT	PLATEN SIZE	SENSING AREA	PHYSICAL SIZE	IMAGE SIZE	
	725 grams / 1.6 lbs (not including cable)	88.90 mm x 80.01 mm 3.50" x 3.15"	81.28 mm x 76.30 mm 3.20" x 3.00"	114.7 mm x 131.8 mm x 82 mm 4.52" x 5.19" x .323"	1600 x 1500 pixels	
	<b>FIVE-O   FAP 50, FBI Appendix F</b>	< 191.64 grams / 0.4 lbs (not including cable)	85.85 mm x 53.97 mm 3.38" x 2.12"	81.28 mm x 50.80 mm 3.20" x 2.00"	113.4 mm x 82.9 mm x 17.2 mm 4.46" x 3.26" x 0.68" <i>Desktop</i>	1600 x 1000 pixels
				110.4mm x 79.9mm x 16.2mm 4.35" x 3.15" x 0.64" <i>Embedded</i>		
	<b>SHERLOCK   FAP 45, FBI Appendix F, PIV</b>	< 55 grams / 0.12 lbs	42 mm x 39 mm 1.65" x 1.53"	40 mm x 38 mm 1.6" x 1.5"	65.2 mm x 59.5 mm x 14.2 mm 2.57" x 2.34" x 0.56"	800 x 750 pixels
	<b>WATSON   FAP 45, FBI Appendix F, PIV</b>	< 180 grams / 0.40 lbs (not including cable)	40.64 mm x 38.1 mm 1.6" x 1.5"	40.64 mm x 38.1 mm 1.6" x 1.5"	60.3 mm x 62.3 mm x 33.04 mm 2.37" x 2.45" x 1.30"	800 x 750 pixels
	<b>COLUMBO   FAP 30, PIV</b>	< 41 grams / 0.9 lbs (not including cable or bracket)	20.32 mm x 25.4 mm 0.8" x 1.0"	20.32 mm x 25.4 mm 0.8" x 1.0"	46.5 mm x 39 mm x 25.7 mm / 1.8" x 1.5" x 1.0"	400 x 500 pixels
	<b>DANNO   FAP 30, PIV</b>	< 25 grams / 0.06 lbs	21.52 mm x 26.6 mm 0.85" x 1.05"	20.32 mm x 25.4 mm 0.8" x 1.0"	40.0 mm x 42.9 mm x 8.0 mm 1.57" x 1.69" x 0.31"	400 x 500 pixels

## Light Emitting Sensor Technology (LES)

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](https://integratedbiometrics.com/technology)

### Hardware-based Automatic Spoof Rejection

IB scanners 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.

### Software-based Autodetect

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