



# KOJAK

PRIVATE LABEL

Rugged, Compact,  
FBI Certified FAP 60  
10-Print Scanner



# KOJAK

Full Kojak features and performance with your private label on the bezel



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

Enhanced SDK:  
- Segmentation  
- Smear Detection  
- NFIQ Quality Scoring

Lowest power consumption of any comparable FAP 60 scanner

Designed for fixed and mobile applications

Kojak ends the myth that 4-4-2 FAP 60 fingerprint scanners must be big, heavy, and power hungry.

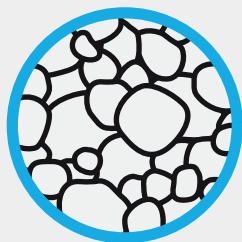
This compact, lightweight unit delivers fast FBI Certified Appendix F performance for 10-print enrollment and verification in a compact form factor that uses less power than any other FAP 60 scanner currently available.

The private label version carries custom branding for OEMs and identity management solutions providers. Available in embedded and standalone versions.

## LES 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.

Underside view of LES Sensor Film



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



A TFT or CMOS camera captures the glow from the phosphor particles, producing a high-resolution fingerprint image

LES Phosphor Particle	•	13-37 $\mu\text{m}$
Human Hair	•	50-70 $\mu\text{m}$
Fine Beach Sand	•	90 $\mu\text{m}$

# 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

## Hardware-based Automatic Spoof Rejection

IB's LES film recognizes real versus manufactured fingerprints. LES-based scanners automatically reject fingerprints based on silicone, glue, rubber, and other common spoofing materials.

## 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 the IB's software development kit (SDK).

# IB ULTIMATE CAPTURE SDK

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

- Dynamic auto capture of four finger slaps
- Four finger segmentation
- Easy Roll print capture with 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 WSK, RAW, BMP, JPEG2000, and PNG formats

## AVAILABLE VERSIONS

Product	Part Number	Description
· Kojak PL Private Label Ten Print Scanner	KP110CA-000	58" USB 2.0
· Kojak PL Private Label Ten Print Scanner	KP21000-000	Female USB C
· Kojak PL Private Label Ten Print Scanner <b>OEM Module</b>	KP2115M-000	3" Molex

## Images & Capture

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### Sensor Type

Light-emitting sensor (LES) CMOS CIS camera

### Resolution

500 PPI

### Gray Scale

256 grayscale dynamic range

### Image Size

1600 W x 1500 H pixels

### Supported Image Formats

RAW, JPEG2000, BMP, PNG, WSQ

### FBI Certification / Image Certifications

FBI Appendix F, PIV, FIPS 201, FAP 60

### Speed

Min frame rate > 10 FPS, slaps and rolls

### Capture Types

Capture single-finger/four-finger direct, single-finger rolls, multi-device/multi-thread support

## Weight & Dimensions

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### Product Weight

725 grams / 1.6 lbs (not including cable)

### Platen Size

88.90 mm x 80.01 mm / 3.50" x 3.15"

### Sensing Area

81.28 mm x 76.30 mm / 3.20" x 3.00"

### Scanner Assembly Dimensions

114.20 mm x 132.08 mm x 83.83 mm / 4.40" x 5.20" x .330"

## Power & Connectors

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### Interface

USB 2.0

### Power Source

USB Host

### USB Power Requirement / Consumption

4.40V to 5.25V <300mA full scanning,  
<2mA sleep mode

## Conformance & Certifications

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### USB Certification

USB-IF USB.ORG

### 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

### Air Discharge / Contact Discharge

In compliance with IEC 61000-4-2

### Equipment Safety

IEC 60950-1

### Hazardous Material RoHS Certified

RoHS directive 2002/95/EC

### Vibration Test

IEC 60068-2-64

## Temperatures & Humidity

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### Operating Temperature

-10°C ~ +55°C / 14°F ~ 131°F

### Humidity

10~95% RH < 104°F / 40°C (non-condensing)

### Storage Temperature

-30°C ~ +60°C / -22°F ~ 140°F

## Surface & Support

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### Ingress Protection / Water / Dust

Direct water spray, no dust or dirt ingress, IP65 bezel to film

### Surface Durability

MIL-C-675c 4.5010, MIL-STD-810F

### Surface Resistance / Allowable Cleaning Chemicals

Ammonia, IPA, methanol, soaps, detergents, salt water

### OS Support

Windows Desktop 32/64 bit (7, 8, 10), Windows Server, Linux, Android 4.0+, Java

## Warranty

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1 year hardware warranty  
(extended warranty available upon request)

