

Kojak Hardware Manual

FBI Appendix F Certified FAP 60
10-Print Roll Scanner

- Automatic Spoof Rejection
- Software-Based Autodetect



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Revision History

Revision No.	Issue Date	Comments
1.4	2023.2	New Kojak Model with NBDnano LES film added. KJ220DA-E00: Standard Kojak with NBDnano LES film KP220DA-E00: Kojak PL with NBDnano LES film
1.3	2022.4	Adjust Electrical DC Characteristics
1.2	2021.10	Hazardous material additions
1.1	2019.3	Reformatted; Removed part number
1.0.1	2016.11	Reformatted
1.0	2015.8	1.0 Version Preliminary



Kojak uses Integrated Biometrics' patented light-emitting sensor (LES) technology to deliver fixed and mobile FBI Certified fingerprint imaging in an exceptionally durable, lightweight scanner.

Other benefits include:

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
- Emits no bright lights during scans
- Meets or exceeds US military durability specifications

Smarter

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

Software-Based Autodetect

- Scanner automatically detects the finger capture that generates the highest quality image without user intervention.
- Application developers enable this feature through the Integrated Biometrics software development kit (SDK)



The following specifications are valid for Kojak, Kojak Private Label (PL), Kojak OEM, and Kojak OEM Private Label (PL). Kojak is pictured as a representative unit.

Photos and drawings for each are located on pages 6 and 8.

Product Details

1. LES: Light Emitting Sensor, Sensing Area

The patented LES film is a multilayer, polymer composite containing particles that luminesce (give off light) in the presence of an electrical field.

2. Conductive Bezel

The bezel, in conjunction with a user's finger, complete a low-level electrical circuit which causes the particles in the film to emit light.

3. Action Bar

The action bar includes ten LED indicators and two touch buttons, which are programmable using the IBScanUltimate SDK.

4. Private Label Area

The private label area can be customized with your company's logo as a replacement to the Action Bar. [Contact Sales](#) for more information and purchasing.



Accessories

Kojak Protective Cover

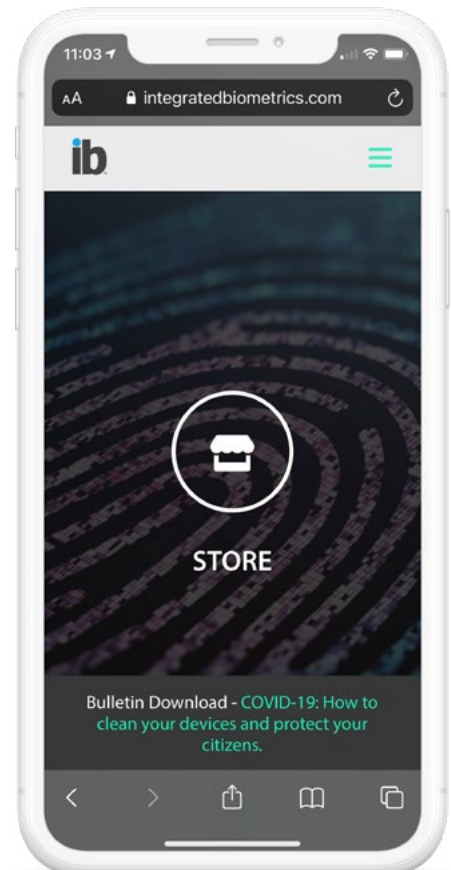
- 1 protective rubber top cover
- Part Number: KJTPCVR-001

Kojak Instructions Placard

- Sturdy plastic panel that affixes to the underside of Kojak scanners with an adhesive sticker applied explaining how to properly use a Kojak
- Part Number: KJPLACD-001



All accessories are available for purchase.
Contact Sales to inquire.



Hardware Connection Setup

Kojak & Kojak Private Label (PL)



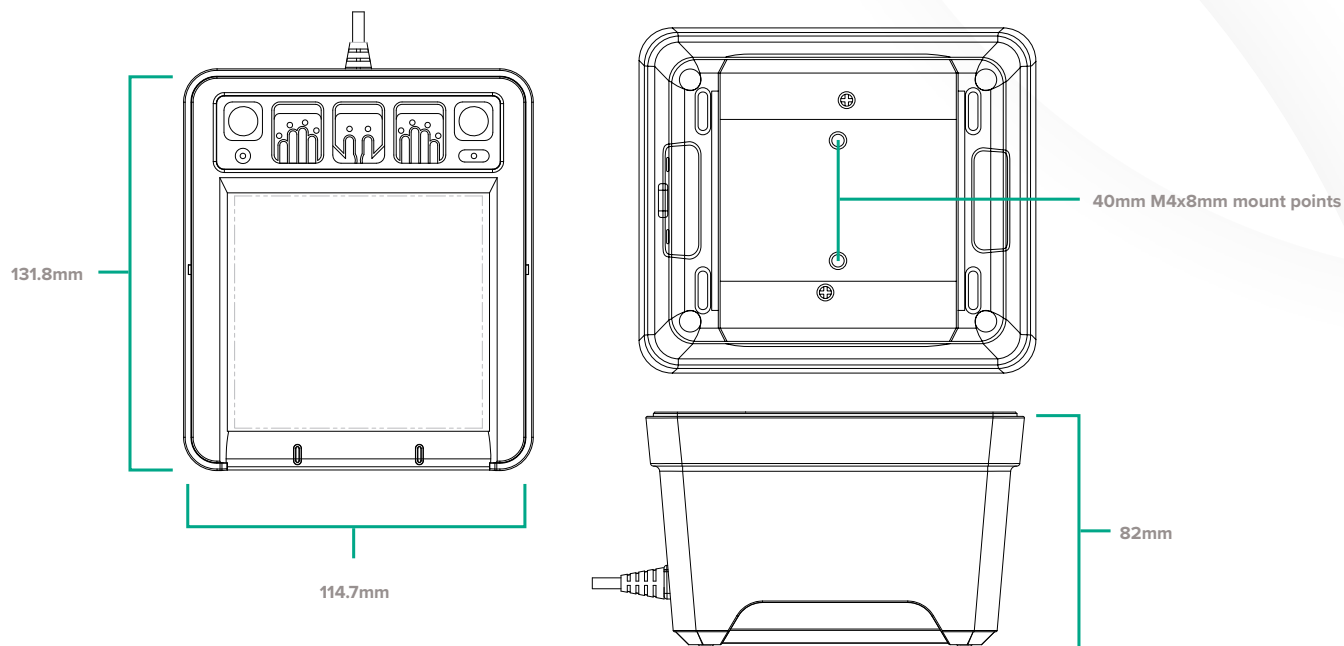
ITEM	SPECIFICATIONS
Scanner Physical Size	131.8mm x 114.7mm x 82mm
Total Weight	< 725 grams (not including cable)



Hardware Connection Setup (Cont'd)

Kojak & Kojak Private Label (PL)

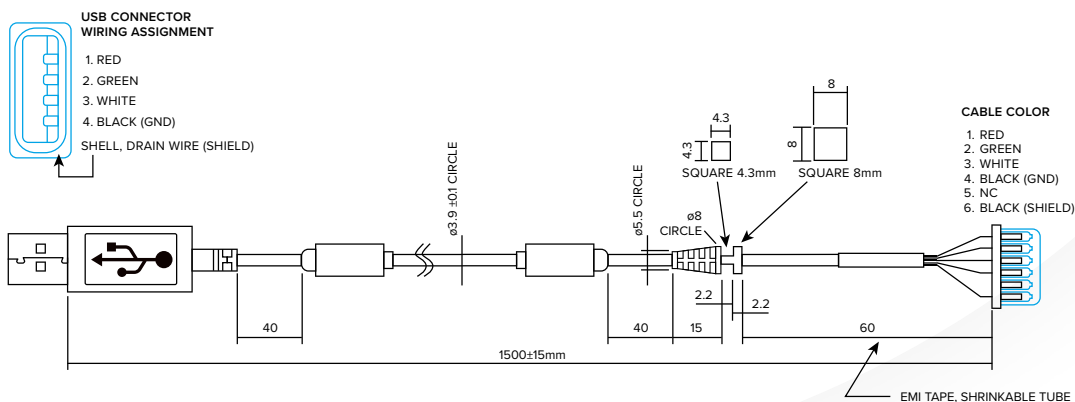
Outline Dimension



USB Connector Pin Description

PIN NUMBER	TYPE	DESCRIPTION
1	V_BUS	+5 VDC
2	USB	Data (+)
3	USB	Data (-)
4	G	Ground
5	—	NC
6	G	Shield Ground

USB Cable



Hardware Connection Setup

Kojak OEM & Kojak OEM Private Label (PL)

Kojak OEM Private Label (PL)



ITEM	SPECIFICATIONS
Scanner Physical Size	114.7mm x 131.8mm x 77mm
Total Weight	< 725 grams (not including cable)

Kojak Module Specific Cable shown below:

- Molex Connector Series 51021, Part Number 51021-0600, 1.25mm Pitch PicoBlade Wire to Wire Female, 6 Circuits
- More information can be found at the following link:
 - https://www.molex.com/molex/products/datasheet.jsp?part=active/0510210600_CRIMP_HOUSINGS.xml&channel=Product

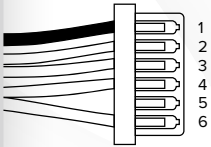


Hardware Connection Setup (Cont'd)

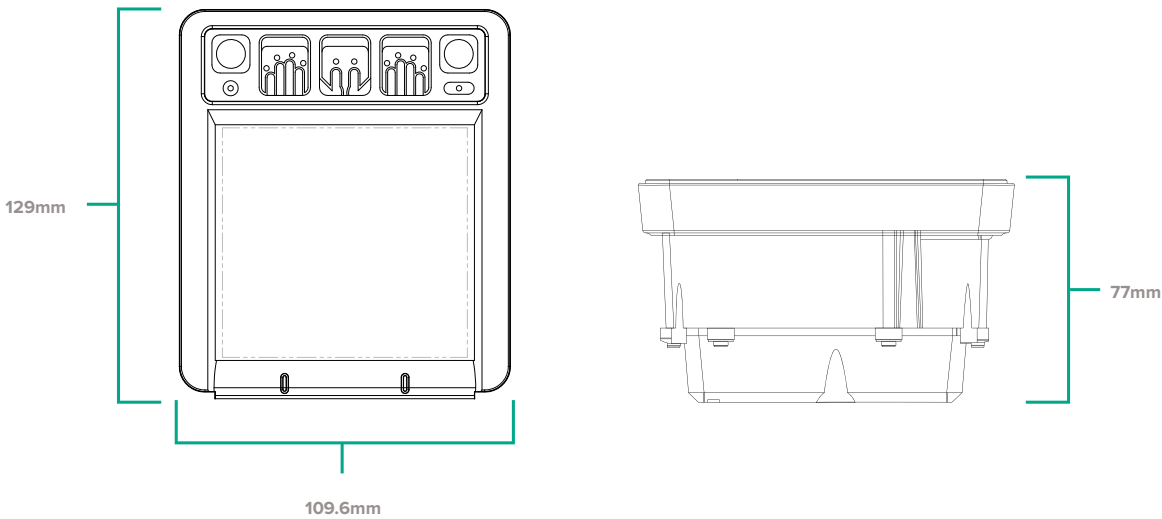
Kojak OEM & Kojak OEM Private Label (PL)

USB Connector Pin Description

PIN NUMBER	DESCRIPTION
1	+5 VDC
2	Data (+)
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4	Ground
5	NC
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Outline Dimension



USB Connector Pin Description

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Specifications

For full specifications for Kojak, please download the sheet [here](#), or visit our website:

https://integratedbiometrics.com/wp-content/uploads/2021/11/IB_DS_Kojak_A4-specs.pdf

Electrical DC Characteristics (VDD = 5Vdc, Top = 25°C)

SECTION		MIN.	TYP.	MAX.	UNIT
Power Supply Voltage (VBUS)		4.5		5.25	V
Full Scanning		—	275mA	320	mA
Standby				40	mA
D+ and D-		USB			

Support

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Cleaning And Sanitization

For proper cleaning and disinfection of IB products, visit:

<https://integratedbiometrics.com/cleaning>

Warranty Information

All products have a 12-month warranty starting from the date of delivery.

Additional years warranties available. Inquire with your salesperson.

View the warranty here: integratedbiometrics.com/warranty

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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