

RealScan S60

Ultra Slim FAP60 Live Scanner with PAD Level 1 & 2 standards

RealScan S60 is the FBI Appendix F certified, FAP60, Ultra Slim, and Lightweight fingerprint live scanner. RealScan S60 provides advanced AI-based live finger detection technology compliant with ISO/IEC 30107-3 PAD Level 1 & 2 Standard. Applying LFD technology, RealScan S60 distinguishes fake fingerprints made from various materials, including clay, rubber, silicon, glue, paper, film, and more.

With Xperix's proprietary fingerprint algorithm and an advanced TFT (Thin Film Transistor)-optical technology, RealScan S60 enables capture of the highest fingerprint image quality flat and rolled fingers with little effect from various fingerprint conditions. Due to the small and thin form factor, it is optimized for desktop solutions and easy integration into portable devices, providing a significant advantage for customers to maximize the benefit from their product and solution.



Applications



Voter
registration



National ID



Health
insurance card



ABC
(Automated
Border
Control)



e-Passport
& VISA



Criminal
identification



SIM card
registration



Payment
& POS



Mobile
enrollment
kits



Banking
& ATM



Portable
enrollment
device



Self-service
kiosks

 **BixeLab**
ISO 30107-3 Compliant

 **MOSIP**
COMPLIANT



AI-based Liveness Detection
(Compliant with ISO/IEC 30107-3 PAD Level 1 & 2 Standard)

FBI Appendix F &
Mobile ID FAP 60
Certified

Flat(Four, Two, Single) and
Rolled(Single) fingerprints
capturing

Advanced TFT
Optical Technology

MOSIP Compliant

Optimized for
easy integration

Ingress Protection
IP65

Advanced Rolled Image
Construction Technology

RealScan SDK

Xperix's SDK development framework allows control of our products and developers to integrate the core functionality of biometric devices with others seamlessly. With its SDKs, you can make your applications sustainable and clear for various applications such as national ID, border control, voter registration/verification, criminal identification, SIM card registration, banking, and more.

- Auto-capture by sensing finger placement
- Slippage and blurred detection
- Halo effect and ghost image elimination
- Image quality check
- Automatic segmentation
- Sequence check-in rolls and slaps acquisition
- International standard image compressions, formats, and interfaces



C#



C++



Java

C++

Java

Java

Specifications

	RealScan S60	RealScan S60M
Capture	Flat (Four/Two/Single) and Rolled (Single) fingers	Flat (Four/Two/Single) and Rolled (Single) fingers
Sensor Type	Optical TFT	Optical TFT
Resolution	500 ppi	500 ppi
Grayscale	8-bit, 256 levels	8-bit, 256 levels
Image Size (WxL)	Four finger slap: 1600 x 1500 pixels Two finger flat: 900 x 900 pixels Single flat / Roll: 800 x 750 pixels	Four finger slap: 1600 x 1500 pixels Two finger flat: 900 x 900 pixels Single flat / Roll: 800 x 750 pixels
Template Format	Xperix, ISO 19794-2, ANSI 378 by Image SDK	Xperix, ISO 19794-2, ANSI 378 by Image SDK
Supported Image Formats	RAW, BMP, WSQ, JPEG2000, ISO19794-4	RAW, BMP, WSQ, JPEG2000, ISO19794-4
Encryption	AES-256 by Image SDK	AES-256 by Image SDK
FBI / Image Certifications	Identification Flats(Appendix F), Live-Scan (Tenprint), System(Appendix F), Mobile ID FAP60 (Appendix F),	Identification Flats(Appendix F), Live-Scan (Tenprint), System(Appendix F), Mobile ID FAP60 (Appendix F),
OS Support	Windows 10 or higher 32/64bit, Linux Ubuntu, Debian, Fedora, OpenSUSE, CentOS 32/64bit, Android 5.0 or higher	Windows 10 or higher 32/64bit, Linux Ubuntu, Debian, Fedora, OpenSUSE, CentOS 32/64bit, Android 5.0 or higher
Weight	220 g	189 g
Platen Size (WxL)	83.3 mm x 78.2 mm	83.3 mm x 78.2 mm
Sensing Area (WxL)	81.3 mm x 76.2 mm	81.3 mm x 76.2 mm
Dimensions (WxLxH)	118 mm x 120 mm x 19.7 mm	102.4 mm x 112 mm x 15.9 mm
Surface Protection	Optic Glass + AR coating (Pencil 6H)	Optic Glass + AR coating (Pencil 6H)
Ingress Protection	IP65 (Sealed between bezel and sensor surface)	IP65 (Sealed between bezel and sensor surface)
Operating Temperature	From -10 °C to 55 °C	From -10 °C to 55 °C
Operating Humidity	10% - 90%, non-condensing	10% - 90%, non-condensing
Storage Temperature	From -20 °C to 80 °C	From -20 °C to 80 °C
Interface	USB 2.0 High Speed, USB-C	USB 2.0 High Speed, USB-C
Power Source	USB Host	USB Host
USB Voltage Level	5.0 V ±10%	5.0 V ±10%
Live Finger Detection (LFD)	Supported (by AI-based, ISO/IEC 30107-3 compliant)	Supported (by AI-based, ISO/IEC 30107-3 compliant)
Sound	Buzzer	Not Supported
LED Indicator	Supported	Not Supported
Kensinton Lock	Not Supported	Not Supported
Smart Sleep Mode	Supported	Supported
Certification	FBI, CE, FCC, KC, RoHS, USB-IF, WEEE, UL, REACH, WHQL, IEC 62471, PAD Level 1 & 2 by BixeLab	FBI, CE, FCC, KC, RoHS, USB-IF, WEEE, UL, REACH, WHQL, IEC 62471, PAD Level 1 & 2 by BixeLab



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