

RealScan SG10

작지만 탁월한 FAP60 라이브 스캐너

RealScan SG10은 FBI Appendix F 인증을 획득한 미니멀한 설계의 FAP 60 광학식 라이브 스캐너로, 기존 광학식 스캐너를 완전히 재설계하여 새로운 기준을 제시합니다.

새롭게 적용된 USB 3.2 Gen 1 인터페이스는 뛰어난 캡처 속도를 제공하며 별도의 드라이버 설치 없이 즉시 연결되는 플러그 앤 플레이 기능을 지원합니다. 엑스퍼릭스의 AI 기반 알고리즘과 정밀 광학 기술은 고품질의 지문 이미지를 보장하고, PAD 레벨 1 & 2를 충족하는 위조 지문 판별 기능을 제공합니다.

강력한 신뢰성과 내구성을 갖춘 RealScan SG10은 모바일 등록 키트(mobile enrollment kit), 키오스크, 자동 출입국 심사대 등 공간 제약이 있는 환경에 최적화된 라이브 스캐너입니다.



주요 특징

- 울트라 컴팩트 디자인으로 휴대성 강화
- 플러그 앤 플레이
- 하드웨어 설계의 유연성
- 손쉬운 통합
- USB 3.2 Gen 1을 통한 고속 데이터 전송
- SDK 기반의 간편한 개발
- 복잡하고 데이터 집약적인 애플리케이션 지원
- 강화된 보안
- PAD 레벨 1 & 2 인증 기반의 위조 지문 판별

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



Ultra-compact size
The world's lowest
optical live scanner



플러그 앤 플레이



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



MOSIP Compliant
(PC & Android)

FBI Appendix F &
Mobile ID FAP 60
인증

생활 방수 및 방진
IP65



Super speed with
USB 3.2 Gen 1, USB-C



애플리케이션



Mobile
enrollment
kits



National ID



Voter
registration



e-Passport
& VISA



ABC
(Automated
Border
Control)



Criminal
identification



Self-service
kiosks



Portable
enrollment
device

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 SG10
Capture	Flat (Four/Two/Single) and Rolled (Single) fingers
Sensor Type	Optical
Resolution	500 ppi
Grayscale	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
Template Format	Xperix, ISO 19794-2, ANSI 378 by Image SDK
Supported Image Formats	RAW, BMP, WSQ, JPEG2000, ISO 19794-4
Encryption	AES-256 by Image SDK
FBI / Image Certifications	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
Weight	1.35kg
Platen Size (WxL)	89 mm x 80 mm
Sensing Area (WxL)	81.3 mm x 76.2 mm
Dimensions (WxLxH)	129.5 mm x 137.5 mm x 80.0 mm
Surface Protection	Optic Glass (Scratch free)
Ingress Protection	IP65 (Sealed between bezel and sensor surface)
Operating Temperature	From -10 °C to 55 °C
Operating Humidity	10% - 90%, non-condensing
Storage Temperature	From -20 °C to 80 °C
Interface	USB 3.2 Gen 1, USB-C
Power Source	USB Host
USB Voltage Level	5.0 V ±10%
Liveness Detection	Supported (by AI-based, ISO/IEC 30107-3 PAD Level 1 & 2 Compliant)
Plug & Play	Supported
Sound	Speaker
LED Indicator	Supported
Kensington Lock	Supported
Certification	FBI, CE, FCC, KC, RoHS, USB-IF, WEEE, REACH, WHQL, UL, IEC 62471



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