

RealScan-G1

Compact single-finger live scanner with LFD



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RealScan-G1 is a FBI PIV certified single-finger live scanner embedded with Suprema's advanced Live Finger Detection (LFD) technology. By using Suprema's superior optical engineering, it offers every essential feature packed into a slim and compact form factor making it ideal for the high-speed fingerprint capturing required in civil and criminal IP projects. RealScan-G1 ensures high quality image capturing using automated image quality verification processes combined with halo effect and ghost image elimination techniques. The device is also IP54-rated, contained with dust and waterproof structure, and optimally designed for desktop use or integration into kiosks and mobile kits.



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Hardware Features

- FBI PIV-IQS certification for civil ID & AFIS
- FIPS 201 certification
- Hybrid live finger detection (LFD) technology
- IP54 rated dust and water protection design
- Integrated LED indicator
- USB2.0 data & power
- 1.0 inch wide solid and scratch-free platen
- Slim and compact form factor
- Easy-to-mount design for desktops and kiosks



Software Features

- Auto capture by sensing finger placement
- Halo effect and ghost image elimination
- Automated image quality check
- International standard image compression, format and interfaces

Specifications

Fingerprint Type	Single Finger Flat
Resolution	500 dpi
Capture Area (W x L)	1" x 1" (25.4 x 25.4mm), 500x500 pixel
Image Quality Standards	PIV-071006
Spoof Detection	Hybrid Live Finger Detection
Ingress Protection	IP54
Grey Scale	8-bit, 256 levels
Image Capture Speed	15 frames / sec
Interface	USB 2.0 Data & Power
Weight	0.18kg (including cable)
Dimension (W x L x H)	55 x 106.5 x 44.5 mm
Operating Temperature	0 ~ 50 °C
Operating Humidity	10 % ~ 90% RH, non-condensing
Operating Systems	Windows 8, 7, Vista, Windows 2000, XP, Linux (selected versions)
Certificate	FBI, PIV-IQS, FIPS 201, WHQL, CE, FCC, UL, KCC

Applications

- Criminal identification
- Airport and border check
- National ID cards
- Civil identification
- Employee background check
- e-Passport and Visa

