

**suprema**

# RealScan-G1

Compact single-finger live scanner with LFD



**RealScan-G1** | RealScan-G1 is a FBI PIV certified single-finger live scanner with Suprema's advanced live finger detection (LFD) technology. Combining Suprema's superior optical engineering with slim and compact form factor, the RealScan-G1 offers every essential features for high-speed fingerprint capturing in civil and criminal ID projects. The device ensures high quality image capturing with halo effect elimination, ghost image elimination and automated image quality check processes. Sealed in a rugged IP54 certified waterproof structure, RealScan-G1 is perfectly designed for desktop use, or to fit in kiosks and mobile kits.



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## Hardware Features

- FBI PIV-IQS certification for civil ID & AFIS
- 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 ~ 70°C
Operating Humidity	10 % ~ 90% RH, non-condensing
Operating Systems	Windows 2000, XP, Vista, 7 Linux (selected versions)
Certificates	FBI PIV-IQS, CE, FCC, UL, KCC, WHQL.

## Applications

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