

# RealScan-G1

Compact single-finger live scanner with LFD



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.



Anti-shock

PIV  
FIPS



IP54



Live Finger  
Detection

# RealScan-D

Compact single-finger  
live scanner with LFD



## 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
- Autoamated 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), 500 x 500 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	-10 ~ 50°C
Operating Humidity	10 % ~ 90% RH, non-condensing
Operating Systems	- Windows : Windows XP, Vista, 7, 8, 8.1, 10 32/64bit - Linux : Ubuntu, Debian, Fedora, Cent OS 32/64bit
Certificate	CE, KCC, KC, UL, USB-IF, WHQL, FIPS201



## Applications

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



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