

BAYOMETRIC

Lumidigm V311

V-SERIES SCANNER



PRODUCT DESCRIPTION

The Lumidigm V311 is an IP65 rated biometric fingerprint scanner that uses Lumidigm's patented multispectral imaging technology to scan fingerprints. The scanner has a sturdy build and is resistant to mechanical shocks, vibrations and impacts besides being dust and water proof. The scanner has a sleek design and a compact size of just 83 x 100 x 59 mm which makes it ideal for desktop applications such as information security. The scanner can be used for authentication, verification, identification and enrolment applications that typically use passwords which can be lost, stolen or forgotten.

One of the major advantages of the Venus Series of Biometric scanners is the ability of the products to overcome FTA (Failure to Acquire) and FTE (Failure to Enroll) issues which are a huge problem in competing biometric devices. The scanner has a large platen size of 18 x 28 mm which can scan fingers to produce single finger flat images with 500 DPI resolution. The Scanner can easily be interconnected with host systems working on 32 or 64 bit versions of Windows OS using the USB 2.0 interface.

APPLICATIONS

Banking

Healthcare

Citizen ID

KEY FEATURES

Multispectral imaging with liveness detection

Detects fraudulent verification attempts

Up to four times faster image capture (V302)

Top-rated MINEX III certified algorithm

FBI-certified WSQ compression

New SDK tools

TECHNICAL SPECIFICATIONS

Technology	Patented Lumidigm optical multispectral imaging
Image resolution / bit depth	500 dpi / 8-bit, 256 grayscale
Platen area	0.7" x 1.1" (18mm x 28 mm) ellipse
Image out	ANSI 381 compliant
Template out	ANSI 378 compliant
Score or verification (1:1)	Requires ANSI 378 template input
Identification (1:N)	Available (V31x-30 only)
Latent detection	Included
Latent protection	Included
Verification mode (1:1)	Up to 1000
Identification mode (1:N)	Up to 400 (V31x-30 only)
Finger placement to image	1.3 sec. (typical)
Finger placement to template / score	2.0 sec. (typical)
Finger placement to identification	2.1 sec. (typical, V31x-30 only)
Ingress protection at platen	IP65
Temperature	-10 to 60°C
Humidity	0-100% RH condensing
ESD Immunity	IEC 61000-4-2 Level 4+/-15 kV Air
USB 2.0	480 Mbps high-speed

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CONTACT

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Operating systems supported	Windows 8 / 8 Embedded (32/64-bit) Windows 7 / 7 Embedded (32/64-bit), Windows XP / XP Embedded Linux Android
Encryption	n/a
Overall dimensions	3.25"W x 4.00"D x 2.35"H (8.3 cm x 10.2 cm x 6 cm)
Housing	Painted magnesium alloy, IP65 rating
Supply current — operational	ANSI 378, ISO 19794-2:2005, ANSI 381, ISO 19794-4:2005, NFIQ compliant, MINEX-certified algorithm
Supply current — idle	+5 VDC 100 mA (typical)
Interoperability	ANSI 378, ISO 19794-2:2005, ANSI 381, ISO 19794-4:2005, NFIQ compliant, MINEX-certified algorithm
Device certifications	CE, FCC Part 15 Class B, EN 60950, IEC 62471, RoHS, DEA EPCS, Certified support for thin clients
Interface	USB 1.1
Memory	n/a
Operating system	n/a

ABOUT BAYOMETRIC

Bayometric is a leading global provider of biometric security systems offering core fingerprint identification solutions. Our products and solutions help enterprises, government agencies, custom application developers and system integrators meet their security, identification and access management requirements.

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