

BAYOMETRIC

Lumidigm V302

BIOMETRIC FINGERPRINT SCANNER



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

PRODUCT DESCRIPTION

The Lumidigm V302 is one of the most sought after biometric scanners in the Venus Series. The scanner makes use of advanced multispectral imaging technology which not only captures fingerprint data like conventional biometric scanners but also obtains deep tissue images which can be used for accurate imaging in case of fingers with defects due to genetics, age or accidents and for detection of fake or spoof fingerprints. The V302 is built to last in challenging conditions and can be used for authentication, verification, identification and enrollment applications. The IP65 standard of build quality ensures that the scanner is resistant to dust, water and other mechanical impacts, shocks and vibrations. With a compact and aesthetic form measuring 83 x 100 x 59 mm, the scanner is suitable for desktop applications as well.

The scanner supports both 32 bit and 64 bit versions of Windows OS and can be easily interconnected with systems using the USB 2.0 standard interface. The V302 is also designed to combat issues such as Failure to Acquire (FTA) and Failure to Enroll (FTE) which are seen in other biometric scanners.

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 (V30x-30 only)
Latent detection	Included
Latent protection	Included
Verification mode (1:1)	Up to 1000
Identification mode (1:N)	Up to 400 (V30x-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, V30x-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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