

BAYOMETRIC

Lumidigm M310

M-SERIES FINGERPRINT SENSOR MODULE



PRODUCT DESCRIPTION

The Lumidigm M310 is an OEM grade biometric module capable of verification, authentication and identification applications. The module is one of the most sought after solutions when it comes to infrastructure and information security where conventional passwords fail. The M310 module is a part of the Mercury series from HID global which has been field tested in the toughest of environments including direct sunlight. The reliability in obtaining error free results along with the module's low form factor and compatibility with multiple platforms is what makes it a highly competitive product in its class.

The Lumidigm M310 uses advanced multispectral imaging to scan fingerprint images. This not only obtains surface skin data but also deep tissue data which is handy in detecting fake fingerprints. The module is also equipped with a number of other features and is typically used for 1:1 verification and 1: N identification applications. The module produces 500 DPI resolution images and is compatible with systems working on 32 bit or 64 bit Windows Operating System. The module is available as either RS 232 or USB 2.0 interface variants.

APPLICATIONS

Enterprise

Banking

Healthcare

Point of sale (POS)

KEY FEATURES

Patented multispectral imaging technology

Captures both surface and subsurface of a finger

High-performance liveness detection

Top-ranked MINEX III algorithm

Durable, compact and field-proven

Cost-sensitive

TECHNICAL SPECIFICATIONS

Technology	Patented Lumidigm optical multispectral imaging
Image resolution / bit depth	500 dpi / 8-bit, 256 grayscale
Platen area	17.4 x 13.9 mm (rectangular), uncoated
Image out	ANSI 381 compliant
Template out	ANSI 378 compliant
Score or verification (1:1)	Requires ANSI 378 template input
Identification (1:N)	Uses ANSI 378 templates as input
Latent protection	Included
Verification mode (1:1)	Unlimited
Identification mode (1:N)	Up to 10,000 users per group, unlimited groups
Finger placement to image	350 ms (typical)
Finger placement to template / score	400-600 ms (typical)
Finger placement to identification	500-700 ms — 1,000 users
Temperature (operating)	0 to 60°C
Humidity	0-95% RH non-condensing
Ingress protection at platen	IP65
ESD Immunity	IEC 61000-4-2 Level 4+/-15 kV Air
USB 2.0	480 Mbps high-speed

BAYOMETRIC

Lumidigm M310

M-SERIES FINGERPRINT SENSOR MODULE

CONTACT

Phone	+1 (408) 940-3955
Email	sales@bayometric.co.uk
Web	www.bayometric.co.uk
Address	1743 Park Avenue San Jose, CA 95126

Technology	Patented Lumidigm optical multispectral imaging
Image resolution / bit depth	500 dpi / 8-bit, 256 grayscale
Platen area	17.4 x 13.9 mm (rectangular), uncoated
Image out	ANSI 381 compliant
Template out	ANSI 378 compliant
Score or verification (1:1)	Requires ANSI 378 template input
Identification (1:N)	Uses ANSI 378 templates as input
Latent protection	Included
Verification mode (1:1)	Unlimited
Identification mode (1:N)	Up to 10,000 users per group, unlimited groups
Finger placement to image	350 ms (typical)
Finger placement to template / score	400-600 ms (typical)
Finger placement to identification	500-700 ms — 1,000 users
Temperature (operating)	0 to 60°C
Humidity	0-95% RH non-condensing
Ingress protection at platen	IP65
ESD Immunity	IEC 61000-4-2 Level 4+/-15 kV Air
USB 2.0	480 Mbps high-speed

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.

LINKS



www.linkedin.com/company/bayometric



www.facebook.com/bayometric/



www.twitter.com/bayometric/