HID®

HID Lumidigm® M-Series Fingerprint Readers

SUPERIOR PERFORMANCE IN A COMPACT SIZE

- **Deliver a Superior User Experience –** Patented MSI technology ensures every user no matter the quality of their fingerprint (extra dry, wet, oily, dirty, aged and damaged) is properly enrolled and quickly matched

- **Reduce Financial Losses –** HID market leading liveness detection accurately and consistently identifies and rejects fake finger attempts

- **Increase User Throughput –** The capture of surface and subsurface fingerprint data significantly reduces false rejections for faster user throughput

Patented HID multispectral imaging (MSI) technology in a compact footprint. Multispectral imaging captures surface and subsurface biometric details enabling you to deliver a superior user experience without sacrificing security. The cost effective M-Series is available in a USB desktop version and an OEM module for integration into a variety of devices.
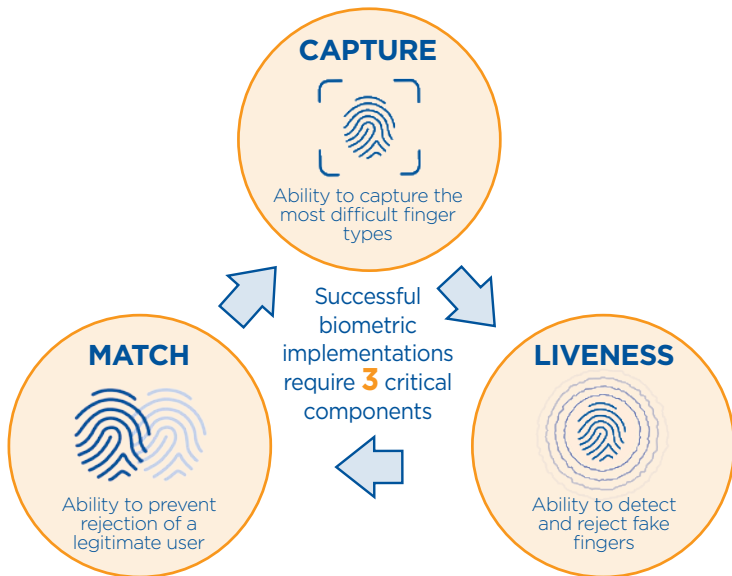
APPLICATIONS:

- Physical Access Control
- Time and Attendance
- Self Service Kiosk
- Single Sign-On
- Mobile Authentication
- Point of Sale
- Know Your Customer

CAPTURE

Ability to capture the most difficult finger types

Successful biometric implementations require **3** critical components

MATCH

Ability to prevent rejection of a legitimate user

LIVENESS

Ability to detect and reject fake fingers

HID patented multispectral imaging (MSI) technology delivers market leading Capture, Liveness and Match functionality. Ensuring a successful biometric implementation and superior user experience.

Click here to learn more about Capture, Liveness, and Match!

SPECIFICATIONS

	M210	M211
FINGERPRINT IMAGING SYSTEM		
Technology	Patented Lumidigm® Multispectral Imaging (MSI)	
Output image resolution / bit depth	500 dpi / 8-bit, 256 grayscale	
Platen area	0.55" x .69" (13.9mm x 17.4mm) rectangle, uncoated chemical resistant glass (no coatings to wear out)	
BIOMETRIC FUNCTIONS		
Image output format	Uncompressed or WSQ compressed images (FBI Certified)	
Template output format	ANSI 378 and ISO 19794-2 compliant (MINEX III certified)	
Presentation Attack Detection (PAD)	ISO/IEC 30107-3, Level 1 Presentation Attack Detection (PAD) certified Patented Multispectral Imaging (MSI) Live Finger Detection (LFD)	
Latent protection	User Configurable	
BIOMETRIC PERFORMANCE		
Finger Detection to Image Out	1 sec. Embedded ARM (typical)	0.35 sec. Windows Host (typical)
ENVIRONMENTAL RANGE		
Temperature (operating, with enclosure)	-10C to 60C	
Humidity (operating, with enclosure)	0 – 95% RH	
ESD Immunity	IEC 61000-4-2 level 4 (+/-15kV air discharge, 8kV contact discharge)	
INTERFACE		
USB	USB 2.0 high speed (480 Mbps), Micro USB connector	USB 2.0 high speed (480 Mbps), 1m USB cable
Operating systems supported	Windows 10 (64-bit), Android (Lollipop and newer)	
FORM FACTOR & DURABILITY		
Overall dimensions	1.44"W x 1.62"D x 1.54"H (36.8mm x 41.3mm x 39.3mm)	1.85"W x 3.02"D x 2.06"H (47.1mm x 76.8mm x 52.5mm)
Enclosure	ABS Plastic	
POWER SUPPLY REQUIREMENTS		
Supply current — operational	+5 VDC, 275 mA Operational (peak)	
Supply current — idle	+5 VDC, 125 mA Idle (typical)	
STANDARDS COMPLIANCE		
Interoperability	ANSI 378, ISO 19794-2, ISO/IEC 19784-1, MINEX III-certified algorithm, WHQL Drivers	
Device certifications	CE, FCC, CB, UL	
Environmental	REACH, RoHS, WEEE	
Ingress	Ingress at platen IP65	IP50, ingress at platen IP65
Other	Australia/New Zealand, Mexico, South Africa	