



## HID Lumidigm® M-Series Fingerprint Readers

### APPLICATIONS:

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

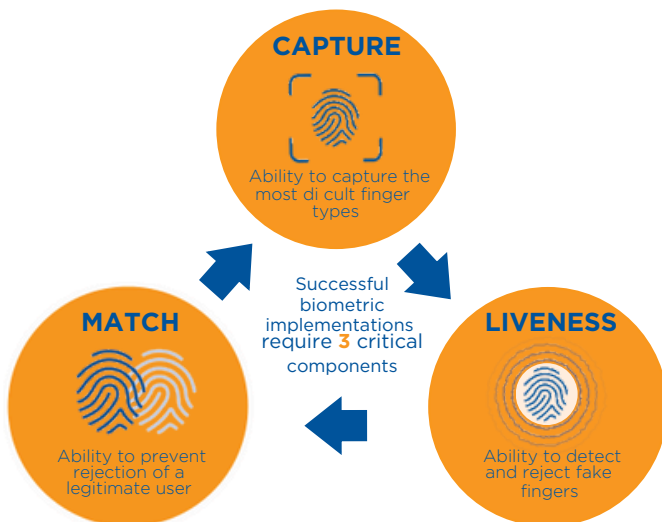
### SUPERIOR PERFORMANCE IN A COMPACT SIZE

**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.



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



support@radiumbox.com  
www.radiumbox.com



1312, 89 Hemkunt Chambers,  
Nehru Place, New Delhi -110 019



+91-84343 84343

## SPECIFICATIONS



M210



M211

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



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