



MFM110 SERIES MINI FIXED-MOUNT 2D SCANNER



Product Features

- **Ultra-Compact Design:** Coin-sized footprint for slim kiosks.
- **Dual-Mode Reading:** Flexible touch-trigger or auto-sensing.
- **Downward Window:** Bottom-facing scanning for gate systems.
- **Magnetic Mount:** Screw-free, non-destructive POS attachment.
- **Versatile Interface:** Native Type-C, Micro, and USB-A support.

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	MFM1100K (Front View)	MFM1100KD (Downward View)
<u>Performance</u>		
Illumination Element	White LED	White LED
Aiming LED	Red Light: 625nm ± 3nm	Red Light: 625nm ± 3nm
Depth of Field	13mil EAN13: 250mm	13mil EAN13: 220mm
Sensor	CMOS (640×480 pixels)	CMOS (640×480 pixels)
Best Resolution	4mil Code39, 5mil PDF417	4mil Code39, 5mil PDF417
Scan Angle	Tilt 360° / Pitch ±50° / Skew ±50°	Tilt 360° / Pitch ±50° / Skew ±50°
Print Contrast	≥30%	≥30%
Interface	USB HID, USB Virtual COM	USB HID, USB Virtual COM
<u>Supported Symbologies</u>	1D: EAN-8, EAN-13, Code 32, Code 39, Code 93, Code 128, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, UCC/EAN-128, GS1 Databar 2D: PDF417, QR Code, Micro QR Code, DataMatrix, Aztec	1D: EAN-8, EAN-13, Code 39, Code 93, Code 128, UPC-A, UPC-E, Codabar, Interleave 2 of 5, MSI, ISBN, GS1-128, GS1 Databar 2D: PDF417, QR Code, DataMatrix, Aztec
<u>Electrical</u>		
Input Voltage	5V/DC ± 5%	5V/DC ± 5%
Operating Current	≤ 200 mA	≤ 190 mA
<u>Physical</u>		
Dimensions LxWxH	34.5 x 43.6 x 15.6 mm (w/o Cable)	34.5 x 43.6 x 18.8 mm (w/o Cable)
Weight	24g (with Cable)	44g (with Cable)
<u>Environmental</u>		
Operating Temperature	0°C to 50°C	0°C to 55°C
Storage Temperature	-10°C to 60°C	-10°C to 60°C
Operating Humidity	5% to 95% Relative Humidity, Non-Condensing	5% to 95% Relative Humidity, Non-Condensing
Ambien Light	0~100,000 Lux (Total Darkness~ Bright Sunlight)	0~80,000 Lux (Total Darkness~ Bright Sunlight)
<u>Decoding Zone</u>	Measured at 600 lux with standard barcodes (PCS ≥ 90%). Tolerance: ±10 mm. Actual DOF may vary by barcode quality and ambient factors.	
4 mil Code39	55 ~ 150 mm	50 ~ 115 mm
5 mil Code39	55 ~ 165 mm	50 ~ 145 mm
13 mil EAN13	65 ~ 250 mm	60 ~ 210 mm
6.67 mil PDF47	50 ~ 135 mm	50 ~ 135 mm
10 mil DataMatrix	50 ~ 125 mm	50 ~ 125 mm
20 mil QR Code	40 ~ 240 mm	40 ~ 240 mm

