



## MFM120 SERIES MINI FIXED-MOUNT 2D SCANNER



### Product Features

- **Fast 2D Decoding:**  
Reliable screen & paper capture.
- **Miniature Build:**  
Ideal for slim kiosk embedding.
- **Corner-Exit Design:**  
Neat routing for easy installation.
- **Plug-and-Play:**  
Native RS232 and USB connectivity.
- **Industrial Grade:**  
Secure M3 mount & IP54 rating.

# MFM120 SERIES MINI FIXED-MOUNT 2D SCANNER



	MFM1200K	MFM1200R
<b>Performance</b> Illumination Element Aiming LED Depth of Field Image Sensor Best Resolution Scan Angle Print Contrast Interface	White LED Red Light: 625nm ± 3nm 13mil EAN13: 220mm CMOS (640×480 pixels) 4mil Code39, 5mil PDF417 Tilt 360° / Pitch ±50° / Skew ±50° ≥30% USB HID, USB Virtual COM RS232 (by Request)	White LED Red Light 13mil EAN13: 360mm CMOS (640×480 pixels) 4mil Code39 Tilt 360° / Pitch ±50° / Skew ±50° ≥25% USB HID, USB Virtual COM USB-Serial (by Request), RS232 (by Request)
<b>Supported Symbologies</b>	1D: EAN-8, EAN-13, UPC-A, UPC-E, Code 39, Code 93, Code 128, Codabar, Interleave 2 of 5, MSI, GS1 Databar, ISBN, GS1-128 2D: PDF417, QR Code, DataMatrix, Aztec	1D: Code 128, EAN-13, EAN-8, Code 39, Code 32, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, ISBN/ISSN, Code 93, Code 11, GS1-128, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded 2D: PDF417, Micro PDF417, QR Code, Micro QR Code, DataMatrix, Aztec
<b>Electrical</b> Input Voltage Operating Current	5V/DC ± 5% ≤ 190 mA	5V/DC ± 5% ≤ 230 mA
<b>Physical</b> Dimensions WxHxD Weight	39.2 x 20.6 x 51.1 mm (w/o Cable) < 52g (with Cable)	39.2 x 20.6 x 51.1 mm (w/o Cable) < 30g (w/o Cable)
<b>Environmental</b> Operating Temperature Storage Temperature Operating Humidity Ambient Light	0°C to 55°C -10°C to 60°C 5% to 95% Relative Humidity, Non-Condensing 0~100,000 Lux (Total Darkness~ Bright Sunlight)	-5°C to 55°C -15°C to 65°C 5% to 95% Relative Humidity, Non-Condensing
<b>Decoding Zone</b> 4 mil Code39 5 mil Code39 13 mil EAN13 6.67 mil PDF47 10 mil DataMatrix 20 mil QR Code	Measured at 600 lux with standard barcodes (PCS ≥ 90%). Tolerance: ±10 mm. Actual DOF may vary by barcode quality and ambient factors. 50 ~ 115 mm 50 ~ 145 mm 60 ~ 210 mm 50 ~ 135 mm 50 ~ 125 mm 40 ~ 240 mm	60 ~ 120 mm 50 ~ 165 mm 50 ~ 360 mm 60 ~ 150 mm 45 ~ 180 mm 45 ~ 260 mm

