



MFM1321Q MINI FIXED-MOUNT 2D SCANNER



Product Features

- **Wide-Angle Contact:** Scans large QR codes directly against the window.
- **Omni-Directional Reading:** Fast "swipe and go" without precise alignment.
- **Mobile Screen Calibration:** Optimized for dark mode and low-brightness displays.
- **Sleek Aesthetic:** Compact design blends into modern kiosks and gates.
- **Seamless Integration:** USB HID and Serial support for easy installation.

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Performance

Scan Mode	Presentation Mode (Auto Sensing)
Illumination Element	White LED
Aiming LED	White Light
Depth of Field	13mil EAN13: 135mm
Image Sensor	CMOS (640×480 pixels)
Best Resolution	1D Code39 \geq 5mil, 2D QR Code \geq 10mil
Scan Angle	Roll: 360° / Pitch: \pm 45° / Skew \pm 45°
Print Contrast	\geq 25%
Indicators	LED & Beeper
Interface	USB HID, USB Virtual-COM

Supported Symbologies

1D: Code 128, EAN128, Code 39, Code 93, Code 11, UPC/EAN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5
2D: QR code, Data Matrix, PDF417

Electrical

Input Voltage	5V/DC \pm 5%
Operating Current	\leq 180 mA

Physical

Dimensions WxHxD	42 x 40 x 20 mm
Weight	50 \pm 5 g (with Cable)

Environmental

Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C
Operating Humidity	5% to 95% Relative Humidity, Non-Condensing
Ambient Light	0~ 100,000 Lux (Total Darkness~ Bright Sunlight)

Decoding Zone

13 mil EAN13	15 ~ 135 mm
20 mil QR Code	15 ~ 120 mm

Measured at 600 lux with standard barcodes (PCS \geq 90%). Tolerance: \pm 10 mm. Actual DOF may vary by barcode quality and ambient factors.

