



IFM152 SERIES INDUSTRIAL FIXED-MOUNT 2D SCANNER



Product Features

- **Rugged Modular Platform:** Shared aluminum housing enables seamless engine upgrades and 24/7 continuous industrial operation.
- **High-Speed & Flexible DoF:** Up to 3.0 m/s motion tolerance (IFM1520M & IFM1520ML) and extended 500mm reading range (IFM1520ML).
- **DPM & Auto-Sensing (IFM1521L):** Precise DPM decoding and hands-free detection up to 200mm for kiosks and gates.
- **Plug-and-Play Setup:** Driverless USB and RS232 connectivity accelerates OEM integration across all models.

IFM152 SERIES

INDUSTRIAL FIXED-MOUNT 2D SCANNER



	IFM1520M/ OML	IFM1521L
Performance Motion Tolerance Scan Mode Illumination Element Scan Speed Depth of Field Image Sensor Best Resolution Scan Angle Print Contrast Indicators Interface	3.0 m/sec Presentation Mode 620nm Red LED 60 frames/sec 13 mil UPC-A: 240 mm (0M), 500 mm (0ML) CMOS (1280 x 1024 pixels) 1D (3 mil): Code 39 Tilt: 360° / Pitch ±60° / Skew ±70° ≥ 20% LED & Beeper USB HID, RS232 (by Request), USB Serial (by Request)	- Auto Sensing: up to 200 mm White LED - 13 mil EAN 13: 260 mm CMOS (640 x 480 pixels) 1D (3mil): Code 39, 2D (5mil): PDF417 Tilt: 360° / Pitch ±60° / Skew ±60° ≥ 20% LED & Beeper USB HID, RS232 (by Request), USB Serial (by Request)
Supported Symbologies	1D: EAN-8, EAN-13, ISSN, ISBN, UPC-A, UPC-E, Code 11, Code 32, Code 39, Code 93, Code 128, Codabar, Industrial 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, GS1-128, GS1 Databar, GS1 DataBar Limited, GS1 DataBar Expanded 2D: PDF417, MicroPDF417, QR Code, Micro QR Code, DataMatrix, Aztec	1D: EAN-8, EAN-13, Code 39, ISSN, ISBN, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, Code 93, Code 32, Trioptic Code 39, Full ASCII Code39, Code 128, Industrial 25, Matrix 2 of 5, Code11, GS1 Databar, Codablock A, Codablock F, GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, Pharma Code 2D: PDF 417, Micro PDF417, DataMatrix, QR Code, Micro QR Code, QR code URL, QR Code Multi-threshold, QR Code Dot Matrix, Aztec, Composite, Maxi Code, Dot-Code
Electrical & Physical Input Voltage Operating Current Dimensions LxWxH Weight	5V/DC ± 5% ≥ 300 mA 60 x 54 x 30 mm 182g ± 5 g (with Cable and Stand)	5V/DC ± 5% < 220 mA 60 x 54 x 30 mm 182g ± 5 g (with Cable and Stand)
Environmental Operating Temperature Storage Temperature Operating Humidity Ambient Light	0°C to 50°C -10°C to 60°C 5% to 95% Relative Humidity, Non-Condensing 0~ 70,000 Lux (Max.)	-5°C to 50°C -15°C to 60°C 5% to 95% Relative Humidity, Non-Condensing 0~ 100,000 Lux (Max.)
Decoding Zone 4 mil Code39 5 mil Code39 13 mil EAN13 13 mil UPC-A 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. (0M) 30~130mm, (0ML) 100~200mm (0M) 35~160mm, (0ML) 90~250mm - (0M) 30~260mm, (0ML) 65~500mm (0M) 25~160mm, (0ML) 100~220mm (0M) 25~150mm, (0ML) 100~250mm (0M) 25~250mm, (0ML) 45~400mm	
	45 ~ 100 mm 45 ~ 135 mm 50 ~ 260 mm - 35 ~ 120 mm 30 ~ 140 mm 20 ~ 240 mm	

