

FX-50D

Fixed DPM Area Scanner

Compact size

Functional

Reliable

Economical



Stylish design for engraved small barcode

FX-50D can capture DPM codes regardless of size, surface, contrast or density — including the most challenging mark, dot peen, as well as laser etch, ink mark, chemical etch, inkjet mold, cast and thermal spray. It's suitable for medical industrial and production conveyor.



DPM

1280(H)
x 960(V)
pixels

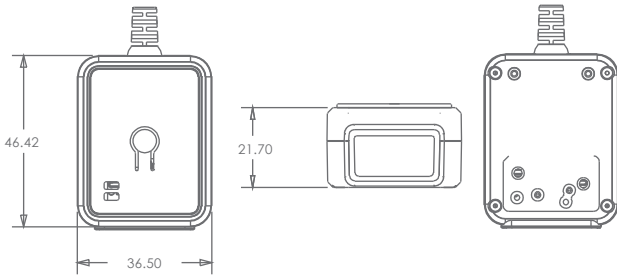
3 mil
resolution

Reading
e-barcodes

Autosense

FX-50D

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Typical Performance	
Narrow Width	Depth of Field
Code 39	3 mil 43mm – 109mm
PDF417	6.67 mil 43mm – 119mm
Data Matrix	5 mil 48mm – 102mm
QR Code	5 mil 48mm – 102mm
Resolution: 3 mil	
Performance may be impacted by bar code quality and environmental conditions	

General	
Interface	HID-USB / USB-COM / RS-232
Barcodes Supported (1D)	UPC/EAN/(UPCA/UPCE/UPCE1/EAN-8/EAN-13/JAN-8/JAN-13 plus supplemental, ISBN, ISSN, Coupon Code), Code 39, Code 39 Full ASCII, Trioptic, Code 32 (Italian Pharmacode), Code 128, (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codebar/NW7, Interleaved 2 of 5, Discrete 2 of 5, IATA Chinese 2 of 5, Matrix 2 of 5, Code 11), MSI Plessey, GS1Databar, (Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked)Telepen, Tri-Optic, UK/ Plessey
PDF417 (and variants)	PDF417 (Standard, Macro), MicroPDF417 (Standard, Marco), Composite Code (CC-A, CC-B, CC-C)
Barcodes Supported (2D)	MaxiCode, Data Matrix, Data Matrix inverse, QR Code, QR Inverse, Micro QR Code, Aztec Code, Aztec Inverse
Optical	
Optical System	1280(H) x 960 (V) pixels
Light Source	Aiming Pattern: 655nm Laser, Illumination: 2X Warm white LEDs
Resolution	3 mil (Code 39), 5 mil (Data Matrix), 5 mil (PDF417)
Focusing Distance	Up to 185 mm
Field of View	Horizontal: 31°, Vertical: 23°
PCS	→90%
Indicator	Beeper and LED
Electrical	
Voltage	5V
Scanning Currents	< 360 mA
Standby Currents	15 mA
Environment	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% - 95% RH (Non-condensing)
Storage Humidity	10% - 85% RH (Non-condensing)
Drop	1.5m drops
Light Levels	100,000 lux
Physical	
Weight	85g (incl. cable weight)
Dimensions	46.42mm (L) x 36.5mm (W) x 21.7mm (H)
Housing Material	ABS plastic
Cable	Length: 5ft (150cm), USB Type: A or C, RS-232
Warranty	1 year
Certificate	CE / FCC