

1D & 2D Fixed Scanners > FS5020 / FS5026 / FS5027



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▪ **Fixed-mounted long-range 1D and 2D laser scanners**

High quality Fixed mounted scanner.
 Aluminum metal housing with a stand.
 Smart & Ultra-small compact design.
 Enhance user's productivity in Auto-sensing.
 Suitable for production line, ATM, KIOSK, Stadium or Leisure parks device.

Fix Scanners Specifications			
Model Name	FS5020	FS5026	FS5027
Description	Fixed 1D Laser Barcode Scanner	Fixed 2D Barcode Scanner	Fixed 2D Barcode Scanner
Engine	RIOTEC	Intermec EA15	2D Engine
Performance Characteristics			
Light source	650 nm Laser Diode	Red LED	622nm ~ 628 nm LED
Depth of field	40 mils: Up to 600 mm	1D(10mil Code39):434mm 2D(15mil PDF417):364 mm	1D (15 mil Code 39) : 195 mm
Scan speed	100 scans/sec	2D Mode : 56 images /sec Linear emulation mode : 200 images /sec	60 frame /sec
Sensor		750 (H) x 480 (V) pixels 256 gray levels	CMOS (752x480 pixels)
Best resolution	0.1 mm (4mils) - Code 39	1D (5 mil) : code 39 2D (6.67 mil) : PDF417	1D (5mils) : Code 39 2D (10mils) : DataMatrix
Print contrast	45% or more	25%	≥ 30%
Reading angle	38°	H : 38.9° V : 25.4°	Roll: 360° / Pitch: 60° / Skew 60°
Indicators	orange/red LED & beeper	Green LED & beeper	Blue LED & beeper
Auto-sensing	Up to 200 mm		
Interface	USB & K/B & RS232	RS232 , USB(HID) & USB(RS232 data format)	USB(HID)
Symbologies	UPC/EAN/JAN, Code 39, Codabar, ITF 2/5, Code 128, Code 11, Code 93, MSI, ...	EAN/UCC, UPC/EAN, Code 11, Code 39, Code 93, Code 128, Coda bar, PDF417, MaxiCode, ITF 2/5, Data Matrix, QR Code, MSI, RSS, Maxicode, Matrix 2/5	2D: PDF417, QR Code(Model 1/2), DataMatrix(ECC200, ECC000, 050, 080, 100,140), Aztec, etc 1D: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, etc.

Electrical Characteristics			
Input voltage	5 VDC ± 0.5V	5 VDC ± 0.5V	5 VDC ± 0.5V
Current - operating	70 mA	330 mA	<320 mA
Physical Characteristics			
Dimension(L * W * H)	60 x 54 x 30 mm		
Weigh	190 g +/- 5 g (with cable)	170 +/- 5 g (with cable)	150 +/- 5 g (No cable)
Case material	Aluminum & ABS plastic		
Environment			
Temperature-operation	0°C to 50°C (32°F to 122°F)	-10°C to 60°C	0°C to 40°C
Temperature-storage	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C	-20°C to 70 °C
Humidity-operation	10% to 85% relative humidity, non-condensing	0% to 95% relative humidity, non-condensing	10% to 85% relative humidity, non-condensing
Decode Zone(Based on Symbol's Standard Code 39)			
4 mils Code 39	70 ~ 95 mm	-----	-----
5 mils Code 39	50 ~ 125 mm	65 ~ 125 mm	-----
10 mils Code 39		28 264 mm	a. 170 mm
13 mils Code 39	40 ~ 260 mm	-----	-----
20 mils Code 39	40 ~ 360 mm	44 ~ 434 mm	40 300 mm
40 mils Code 39	60 ~ 600 mm	-----	-----
6.67 mils PDF417	-----	56 ~ 148 mm	-----
10 mils PDF417	-----	-----	55 175 mm
10 mils QR Code	-----	-----	45 140 mm
7.5 mils Data Matrix	-----	57 ~ 167 mm	-----
10 mils Data Matrix	-----	-----	45 ~ 145 mm