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FC75

Fixed Mount Scanner

Compact Form Factor | Support 1D and 2D Barcode Scanning | RS232 & USB Interfaces



The FC75 fixed-mount barcode scanner combines a compact footprint with powerful scanning performance, making it an ideal solution for space-constrained environments. Designed to read both printed and on-screen barcodes with speed and accuracy, the FC75 offers flexible connectivity and robust durability—perfect for applications in warehousing, manufacturing, logistics, and retail.

Compact and Versatile Design

With its space-saving footprint, the FC75 is purpose-built for smooth integration into a variety of operational setups. Whether mounted in warehouse workstations, manufacturing lines, logistics sorting areas, or retail counters, its compact design maximizes available workspace without sacrificing scanning speed or accuracy.

High-Performance 1D & 2D Barcode Scanning

Equipped with an advanced fixed-mount imager, the FC75 delivers reliable reading of both 1D and 2D barcodes. From printed labels to on-screen codes, it ensures fast and accurate capture, meeting the demands of diverse applications in warehousing, manufacturing, logistics, and retail operations.

Flexible Connectivity with RS232 & USB

With built-in RS232 and USB interfaces, the FC75 offers flexible connectivity to various host systems. This versatility ensures smooth integration into POS terminals, industrial equipment, or automated systems, supporting a wide range of operational needs.

Hands-Free and On-Demand Scanning

Offering both presentation and trigger-activated modes, the FC75 delivers flexible operation for continuous hands-free scanning or precise on-demand reading. This versatility streamlines workflows and adapts seamlessly to different scanning scenarios.

Rugged Design for Lasting Performance

Engineered for long-term use, the FC75 features IP42-rated protection against dust and moisture, and withstands multiple drops from 1.2 meters onto concrete. Its robust design helps ensure reliable performance and minimize maintenance costs over time.

Features

- Compact form factor for easy installation in space-limited environments
- Reads both 1D and 2D barcodes, including printed labels and digital codes on screens
- RS232 and USB interfaces for easy system integration
- Fast, aggressive scanning performance for efficient operations
- Trigger and presentation modes for hands-free or on-demand scanning
- IP42-rated sealing against dust and moisture for reliable operation in harsh environments
- Withstands multiple drops from 1.2 meters onto concrete





Optical & Performance

Sensor	1280 (H) x 960 (V) pixels
Aiming Element	610nm, Green LED
Illumination	White LED
Ambient Light	Works in any lighting conditions from 0 to 100,000 lux
Scan Rate	60 fps
Skew Angle	Horizontal – 44.5°, Vertical – 33.5°
Pitch Angle Sensor	±60°
Roll Angle	360°
Printing Contrast Scale	20% Minimum
Depth of Field	SYMBOLOLOGY: Near // Far
	5.0 mil Code 39: 2.4 in. (6.1 cm) // 9.5 in. (24.1 cm)
	5.0 mil Code 128: 2.8 in. (7.1 cm) // 9.0 in. (22.9 cm)
	6.67 mil PDF417: 2.4 in. (6.1 cm) // 8.0 in. (20.3 cm)
	10 mil Datamatrix: 2.9 in. (7.4 cm) // 8.5 in. (21.6 cm)
	100% UPCA: 1.8 in. (4.6 cm) // 19.5 in. (49.5 cm)
	15 mil QR: 1.2 in. (3.0 cm) // 11.5 in. (29.2 cm)
	20 mil QR: 1.2 in. (3.0 cm) // 14.0 in. (35.6 cm)

Communication

Host Interface supported RS232, USB (HID KBW or Virtual comport)

Mechanical

Dimension	56 mm W x 69 mm D x 27.7 mm H
Weight	85g (scanner only)

Symbologies

1D	EAN/UPC, UCC/EAN128, ISBN, ISBT, Code 39, Code 93/93i, Code 128, Interleaved, Standard 2 of 5, Codabar, MSI, GS1 DataBar
2D	Data Matrix, PDF 417, Micro PDF 417, Maxicode, QR code, Aztec, MicroQR code

Electrical

Operation Voltage	DC +5V 5%
Current Consumption	330mA

Environmental

ESD Protection	8 KV air discharge, 4 KV conductive discharge
Mechanical Shock	2000 G, 0.85 ms, half sinus, 3 axes
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Relative Humidity	5% to 95% (Non-condensing)
IP Rating	IP42



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