

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. With Global Shutter technology, it captures the entire image at once to reduce distortion and blur caused by motion, ensuring clearer barcode images and more stable scanning performance in fast-moving operations. From printed labels to on-screen codes, the FC75 supports accurate data capture for warehousing, manufacturing, logistics, and retail applications.

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
- Supports Global Shutter technology for clear, distortion-free capture of moving barcodes
- 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

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FC75
Specifications



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	SYMBOLOGY: 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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