



FM600 Fixed Mount 2D Image Reader



For large or small Industrial scanning, InData Systems' Fixed Mount FM600 does it all. With a rugged exterior, the FM600 utilizes image engines from Honeywell Imaging and Mobility, a leader in imaging technologies. Whether reading 1D, 2D, direct part marks, or covert marks, such as UV or IR, the FM600 is the solution of choice. Flexible mounting, from the bottom or either (or both) sides facilitates a variety of Industrial applications.

The FM600 was designed as a self contained unit to eliminate the need for additional interchangeable optic parts. Containing a custom combination of specific wavelength LED's to work with specially matched filters, it can read and decode exceptionally small Data Matrix bar codes (the code selected as the ATA Spec2000² and EIA standard for small parts marking) and various covert markings printed with UV fluorescing inks, as well as infrared. The lens optimizes the readability of the target by concentrating the light on the target bar code at a sharp angle, magnifying the codes. The FM600 is the scanner of choice for a wide range of applications in a fixed configuration where the bar code is manually or automatically presented in front of the scanner. It is a very versatile product capable of reading 1D, 2D and DPM, or OCR codes.

This unique combination of optics and scanner all in a single unit maximizes the reading capability and ease of use of this Light Delivery System in applications of slow to medium speed (up to 20 ips or 100 fpm). For higher speeds ask about InData Systems LDS HE15 high speed covert mark scanner.

Compact and easy to use, the FM600 can be used in repetitive, high volume automatic and manual scanning operations in even the most demanding environments. The FM600 can be configured for keyboard wedge, USB Serial or USB Keyboard wedge emulation, TTL RS-232, or True RS-232. The FM600 connects to all popular PCs and portable data terminals. The FM600 can be integrated with all types of customer systems.

Features

2D Image Reader

Supports Omni-Directional Reading of All Popular 1D & 2D Symbologies

Fixed Mount Reader

'All-in-One' Self Contained Unit

Rugged sealed enclosure

Benefits

fixed mount image reader for reading and decoding 2D symbologies.

supports all Data Matrix, QR Code, Aztec and Micro-PDF417 barcodes. It is specially designed to read ultra small etched or embossed matrix bar codes and OCR fonts through the use of InData Systems LDS series of Optics.

opens up new 2D bar code and image capture possibilities in fixed scanning applications.

designed as a robust fixed mount scanner that supports a wide variety of illumination optics such as UV, IR and enhanced lightbar optics.

designed to meet the IP64 requirements for high dust and moist environments with only the addition of optional seals on the mounting screws.



InData Systems FM600

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Technical Specifications

Specifications

Performance:

FM600 Focal Point:	Near Contact (with LDS optics) to 12 inches depending on bar code size and options
FM600 Minimum bar:	Barcodes with a minimum 6 mil narrow element.
Rotational Capability:	360°

Ambient Light:	Total darkness to 1,000 lux depending on applications in options
Aiming:	2" to 12" depending on options selected


Symbologies:

Matrix:	Data Matrix (ECC 000, 050, 080,100,140, 200), QR Code, Micro-PDF417 and Aztec
Linear:	Code 39, Code 128, I-2 of 5, and most other linear codes

** Note they MUST be VERY short in length to be viewed in our window** if using the LDS optics

OCR Fonts:	OCR-A, OCR-B, OCR-Semi
Interfaces:	RS232, Keyboard Wedge, and USB – Serial / USB Keyboard Wedge
Programmable Options:	Baud, Parity, Extensive Data Formatting, and Code Options

Mechanical/Electrical:

Dimensions:		
Length:	4.63 in. (11.7 cm)	
Height:	1.5 in. (3.8 cm)	
Width:	2.5 in. (6.3 cm)	
Weight w/o cord:	15 oz. (450 g)	
Power Requirements:	4.5V - 12 volts	
Current Draw:	300 mA or less depending on input voltage (when illumination LEDs are on) – up to 450 if optional light bar or UV optic used	

Environmental:

Temperature:	
Operating:	-0°C to 50°C
Storage:	-40°C to +60°C
Humidity:	100% RH, condensing at 50°C
ESD:	Functional after 15KV discharge – Optional ESD conductive Coating available
Agency:	FCC Class B, CE

Due to InData Systems continuing product improvement programs, specifications and features herein are subject to change without notice

