



L: 44.55 mm; W: 32.7 mm; H: 19.4 mm

Features & Benefits:

- Small Scan Window and Form Factor Fits into Tight Spaces
- Aggressive Scan Performance
- Solid-State Electronics with No Moving Parts for Reliability
- Safe LED-based Illumination

Miniature, Linear Fixed Mount Imager

JADAK's FM-1412 and FM-1415 combine quality, high-end performance in a tiny package. Both scanners are capable of reading stacked linear barcodes.

The FM-1412 and FM-1415 are ideal for applications that require a small, reliable fixed mount scanner. Designed specifically for integration into Original Equipment Manufacturer (OEM) devices, these imagers will provide years of consistent performance.

Applications:

- OEM Devices



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FM-1412 / 1415

	FM-1412	FM-1415
Scanning Performance		
Light Source	617 nm Highly Visible LED	617 nm Highly Visible LED
Scan Rate	500 scans/sec, decoded operation	500 scans/sec, decoded operation
Scan Angle	38°	40°
Minimum Print Contrast	Down to 25%	Down to 25%
Minimum X Dimension	.15 mm (6 mils)	.1 mm (4 mils)
Reading Distance	Up to 40 cm (16 in.)	Up to 90 cm (35 in.)
Barcode Width		Up to 18 cm (7 in.) on .3 mm (12 mil.) code
Symbologies	Codabar, Code 11, Code 93, Code 128, EAN, Industrial and Standard 2 of 5, Interleaved 2 of 5, ISBN, ISBT 128, Matrix, MSI, Plessey, RSS, Telepen, UCC EAN 128, UPC-A and UPC-E	Codabar, Code 11, Code 93, Code 128, EAN, Industrial and Standard 2 of 5, Interleaved 2 of 5, ISBN, ISBT 128, Matrix, MSI, Plessey, RSS, Telepen, UCC EAN 128, UPC-A and UPC-E
Regulatory		
	Designed to meet FCC Class B and CE Specifications	Designed to meet FCC Class B and CE Specifications
Environmental	RoHS and WEEE Compliant	RoHS and WEEE Compliant
Mechanical/Electrical		
Communications	RS-232 up to 115.2K baud USB COMM Port Emulation	RS-232 up to 115.2K baud USB COMM Port Emulation
Power Supply	5V (standard) or 3.3V (optional)	5V (standard) or 3.3V (optional)
Peak Current	90ma decode, 55ma idle, 1ma power-down for RS-232	120ma decode, 55ma idle, 15ma power-down for RS-232
Environmental		
Operating Temperature	0°C to 50°C	-10°C to 50°C
Humidity	95% relative humidity, non-condensing, at 35°C	95% relative humidity, non-condensing, at 35°C
Ambient Light	100,000 Lux Maximum (sunlight)	100,000 Lux Maximum (sunlight)

ABOUT JADAK:

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting. The company is ISO 9001 and ISO 13485 registered.

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

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