



L: 43 mm; W: 40 mm; H: 24 mm

Features & Benefits:

- Omni-Directional Imaging, Scanning and Decoding
- Solid-State Electronics Means No Moving Parts for Added Reliability
- Small Form Factor Makes Mounting and Integration Easy

Compact, 1 Megapixel Smart Camera

JADAK's FM-7V is designed for applications that require aggressive image processing functions. Utilizing the latest in smart camera technology, the FM-7V reads barcodes, regardless of whether the barcode is on paper, a cell phone, or metal.

The FM-7V has a longer product life cycle than devices using off the shelf area sensors. The FM-7V's dual-functionality sensor provides both dedicated black & white mode (ideal for barcode) and color mode (ideal for image analysis). The FM-7V includes a bright, integrated and intuitive aimer.

The FM-7V's compact design is easy to integrate into Original Equipment Manufacturer (OEM) devices.

Applications:

- Manufacturing
- Clinical Analyzers



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Scanning Performance	
Sensor Type	725 x 480 pixels (wide VGA); Option B: 1280 x 960 pixels
Illumination	625 +/- 5nm LEDs; Option B: Warm White LEDs
Aiming Patterns	Visible Laser Diode, 655 +/- 10nm
Imaging Type	Gray Scale / 256 levels (8 bits per pixel)
Resolution	3 mil (Code 39), 5 mil (PDF417), 10 mil Datamatrix
Symbologies	2D: PDF417, MicroPDF417, Maxicode, Data Matrix, QR Code, Aztec, UCC Composite Linear: Code 39, Code 128, Codabar, UPC, EAN, Interleaved 2 of 5, Reduced Space Symbology, Code 93
Paperless Documentation	Converts paper documents to digital images (8bit/Greyscale)
Regulatory	
Agency	FCC Class B, CE
Environmental	RoHS and WEEE Compliant
Mechanical/Electrical	
Communication	RS-232, USB (Keyboard or COMM Port)
Supply Voltage	5 VDC +/- 5%
Scanning Current	400mA
Idle Current	20mA
Environmental	
Operating Temperature	0°C to 50°C
Humidity	95% relative humidity, non-condensing, at 50°C
Light Levels	0 – 100,000 lux

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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