Right Angle, Miniature, Linear Fixed Mount Imager

JADAK’s FM-1415RA combines quality and high-end performance in a compact size. The FM-1415RA is capable of reading both linear and stacked linear barcodes.

The FM-1415RA is an ideal solution for applications that require a small, reliable fixed mount right-angle barcode scanner. Designed specifically for integration into Original Equipment Manufacturer (OEM) devices, this imager will provide years of consistent performance.

Applications:

- OEM Devices

Features & Benefits:

- Small Scan Window and Form Factor Fits into Tight Spaces
- Aggressive Scan Performance
- Solid-State Electronics with No Moving Parts is Rugged and Reliable
- Safe LED-based Illumination
### Scanning Performance

<table>
<thead>
<tr>
<th>Light Source</th>
<th>617 nm Highly Visible LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scan Rate</td>
<td>500 scans/sec, decoded operation</td>
</tr>
<tr>
<td>Scan Angle</td>
<td>40°</td>
</tr>
<tr>
<td>Minimum Print Contrast</td>
<td>Down to 25%</td>
</tr>
<tr>
<td>Minimum X Dimension</td>
<td>.1 mm (4 mils)</td>
</tr>
<tr>
<td>Reading Distance</td>
<td>Up to 90 cm (35 in.)</td>
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<tr>
<td>Barcode Width</td>
<td>Up to 18 cm (7 in.) on .3 mm (12 mil) code</td>
</tr>
</tbody>
</table>

### Regulatory
- Designed to meet FCC Class B and CE specifications
- RoHS and WEEE Compliant

### Mechanical/Electrical
- Communications: RS-232 up to 115.2K baud, USB COMM Port Emulation
- Power Supply: 5V (standard) or 3.3V (optional)
- Peak Current: 120ma decode, 55ma idle, 15ma power-down for RS-232

### Environmental
- Operating Temperature: -10°C to 50°C
- Humidity: 95% relative humidity, non-condensing, at 35°C
- Ambient Light: 100,000 Lux Maximum (sunlight)

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**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.

[www.jadaktech.com](http://www.jadaktech.com)