



11.8 mm H x 21.5 mm W x 16.3 mm D

Features & Benefits:

- High Resolution Document Capture, up to A4 Format
- Space Savings, with High Performance Barcode Scanning and Document Capture in One
- Reads Any 1D or 2D Barcode Omni-directionally
- Available with Smallest USB 2.0 Decoding Board
- Highly Visible Laser Aiming Frame, From Total Darkness to Bright Sunshine

High Performance, B&W, Megapixel Imager

Combining barcode scanning at standard range with its wide angle and large sensor, the JE-202 can be used for various image capture and image analysis applications. By combining 2D barcode scanning and megapixel document imaging into a Pico size form factor, JE-202 is the ideal solution for the most stringent mechanical constraints, providing the smallest and lightest result possible.

JE-202 is very flexible and captures images in 99% of lighting conditions. JADAK's highly visible laser aimer ensures the user can easily target images and barcodes. The laser projects both a laser pointer and a four corner framer, and additional LEDs provide flood illumination.

JE-202 is available with the industry smallest USB 2.0 decode board. It increases decoding performance, while efficiently transferring videos and images. It is also designed for inter-changeability; it is plug compatible with JADAK's JE-208, using the same decode board and communication protocol. Thus engineering efforts can be leveraged and development time reduced.

For larger volume requirements, a reference design option is available to optimize space constraints. JE-202 is flash upgradable and configurable on- or off-line to match product requirements and be ready to upgrade.

JE-202 is designed to work in the most hostile environments, operating in total darkness to full sunshine over a large temperature range. It complies with the most stringent standards for shock and vibration.

Applications:

- Mobile computers
- Kiosks



JADAK

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Performance	
Sensor:	1280 x 800 pixel resolution, 256 gray levels
Illumination/Aiming:	617 nm Highly Visible LED; 650 nm Laser Framing
Field of View:	Scan Angle: Horizontal: 48° Vertical: 31° Framing Angle: Horizontal: 47° Vertical: 30°
Scan Rate:	2D mode: 30 images/auto adaptive
Print Contrast:	Down to 30% on 1D and 2D symbologies
Minimum Resolution:	1D Symbologies .15 mm (6mil), 2D matrix .25 mm (10 mil)
Regulatory:	
Laser Classification:	Class 2
Electrical Safety:	UL, cUL, and VDE certified
Environmental:	RoHS Compliant
Mechanical / Electrical	
Dimensions Scan Engine:	(HxWxD): 12.5 mm x 20.6 mm x 13.4 mm (.49" x .81" x .53")
Decode Board (ED40):	(HxWxD): 5.6 mm x 34 mm x 19 mm (.22" x 1.34" x .75") Mounting of scan engine on decode board (bracket mounted) is optional
Weight Scan Engine:	<10 g (.35 oz.)
Weight Decode Board:	6 g (.21 oz.)
Interface:	High Speed USB 2.0 & RS232 TTL
Connection:	12 pin ZIF connector, pitch .5 mm (.2 in.)
Voltage:	Optics only, typical values: 3V -5% / +10% Optics + decode board, typical values: 3V to 5.5V
Operating Current:	Typical: 85 – 215 mA (lighting conditions dependent) Decode board & voltage dependent
Power Saving Mode:	2 mA
Environmental / Other	
Operating Temperature:	-20°C to 50°C (-4°F to 122° F)
Storage Temperature:	-40°C to 70°C (-40°F to 158°F)
Humidity:	95% relative humidity at 60°C (140°F), Non condensing, 4 days
Ambient Light:	From 0 to 100,000 lux
Shock Rating:	2000 G, .7 mx, half sinus, 6 directions
Vibration:	8G r.m.s., from 10 Hz to 500 Hz, 2 hours/axis, 3 axes
Symbologies	
1D	EAN/UPC, GS1 Databar (limited expanded & omni-directional), RSS, Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved/Matrix/Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, postal codes (Australian post, BPO, Canada Post, Dutch Post, Japan Post, PostNet, Sweden Post)
2D	Datamatrix, PDF417, MicroPDF 417, Codablock Maxicode, QR, Aztec GS1 composite codes

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

