



7.7 mm H x 23.8 mm W x 12 mm D

Features & Benefits:

- Low Profile Fits in Smallest Spaces
- Bright Aimer and Built-in LED Illumination
- Reads All 1D Barcodes, Including Damaged and Poorly Printed Codes
- 1500G Shock Rating
- Ambient Light Immunity, from Bright Sunlight to Complete Darkness

Miniature, Entry-Level, Linear Scan Engine

The JE-118 provides affordable, high performance 1D scanning with speed and the ability to read poorly printed, low contrast and damaged barcodes. The JE-118 is durable and shock resistant, for superior up time and a low total cost of ownership.

This small, low-profile scan engine is less than 7.7 mm (.3") thick, so it easily fits into the smallest spaces. The JE-118 provides best in class data capture technology, ease of integration, high reliability and superior performance in a cost-effective engine.

Applications:

- Medical equipment, such as blood analyzers
- PDAs and Hand Scanners
- Time clocks
- Gate access control
- Lottery kiosks



JADAK

A Novanta Company

| Performance | | | |
|-------------------------|--|--------------------|--------------------|
| Illumination: | LED 630 +/- 30 nm | | |
| Field of View: | Horizontal: 53° +/- 3° Vertical: .4° | | |
| Scan Rate: | Nominally 50 scans/second | | |
| Scan Angle: | 53.3° +/- 3° | | |
| Tolerance: | Skew: +/- 30° from normal; Pitch: +/- 65° from normal; Roll: +/- 25° from vertical | | |
| Optical Resolution: | 5 mil | | |
| Minimum Print Contrast: | 20% MRD measured at 630 nm | | |
| Power on to First Scan: | 300 millisecond | | |
| Regulatory: | | | |
| Classification: | Intended for use in CDRH Class 1/IEC Class 1 devices | | |
| Electrical Safety: | UL, CUL, and VDE recognized | | |
| EMI/RFI: | EMI-FCC Part 15 Class B, ICES-003 Blas B, CISPR Class B, Japan VCCI Class B | | |
| Environmental: | RoHS Compliant | | |
| Mechanical / Electrical | | | |
| Dimensions: | (HxWxD): 7.7 mm x 23.8 mm x 12.0.4 mm (.3" x .94" x .47") | | |
| Weight: | <2 g | | |
| Interface: | Serial | | |
| Voltage: | Camera/AIM Input: 3.3V +/- .3V | | |
| Operating Current: | Camera/AIM: 165 mA | | |
| Low Power Current: | 115 µA typical | | |
| Power Supply Noise: | 100 mV p-p max. | | |
| 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: | Operating: 5% - 95% non-condensing | | |
| Ambient Light: | 0 ft. candles (0 lux) to 10,000 ft. candles (110,000 lux) | | |
| Shock Rating: | 2000 G | | |
| Decode Ranges | | Typical | Guaranteed |
| Code 128 5 mil | Near | 70 mm (2.75 in.) | 99 mm (3.9 in.) |
| | Far | 210 mm (8.25 in.) | 159 mm (6.25 in.) |
| Code 39 5 mil | Near | 57 mm (2.25 in.) | 80 mm (3.15 in.) |
| | Far | 248 mm (9.75 in.) | 203 mm (8 in.) |
| Code 39 7.5 mil | Near | 38 mm (1.5 in.) | 64 mm (2.5 in.) |
| | Far | 324 mm (12.75 in.) | 260 mm (10.25 in.) |
| 100% UPC-A | Near | 51 mm* (2 in.) | 57 mm (2.25 in.) |
| | Far | 400 mm (15.75 in.) | 279 mm (11 in.) |
| Code 39 20 mil | Near | 38 mm* (1.5 in.) | 51 mm (2 in.) |
| | Far | 610 mm (24 in.) | 464 (18.25 in.) |

*Distances are result of field of view (FOV) limitation.

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

