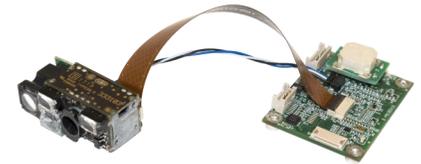


## Product Overview

### MIN-E Ultra Compact 2D Embedded Barcode Scan module

Designed specifically for limited space in small lab instruments, medical devices, and small form factor kiosks, the MIN-E is a decoded ultra-compact high performance 2D barcode scan module. Utilizing the new REV2 Decoder board the MIN-E is one of the smallest scan modules on the market.

The MIN-E is available in three formats namely Enclosed with ABS housing, Integrated Assembly for single piece installation, and Remote Scan Engine providing reduced height and separate scan engine mounting. Easy communication options include RS232, UART, and USB. All versions feature an exceptional high-speed sensor which enables image capture at a full 60 frames per second, delivering outstanding motion tolerance. The integrated white illumination is pleasant to the user's eyes and provides greater reading capabilities inside or outside of an OEM machine. The scan engine features an outstanding depth-of-field, a large field-of-view, highly responsive reading, and excellent performance on decoding poorly printed barcodes and barcodes displayed on mobile devices and computer screens. The MIN-E incorporates an excellent user feedback for enhanced user experience and ease of use.



Remote Scan Engine



Integrated Assembly



Enclosed

### Features

- Extremely compact size and excellent mounting features
- Highly reliable Decoding engine
- Highly visible center cross hair and 4 dot aiming system
- Steady integrated white illumination
- High response reading performance with high motion tolerance
- Excellent reading of 1D or 2D codes on print or displayed on mobile device or computer screens
- Green Spot good-read feedback
- Integrated Beeper

### Applications



The MIN-E is perfectly suited for OEM applications and specifically designed for embedded barcode requirements in:

- Medical devices
- Lab Automation systems
- Kiosks
- Vending machines
- Bedside point of care devices
- Lottery Machines
- Self Service Systems
- Loyalty reward programs

## Technical Specifications

### DECODING CAPABILITY

1D / LINEAR CODES	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D CODES	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
POSTAL CODES	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
STACKED CODES	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

### ELECTRICAL

CURRENT	Operating (Typical): <150mA    Standby/Idle (Typical): 12mA
INPUT VOLTAGE	4.5 - 5.5 VDC +/-5% at 23 °C USB, UART versions 4.5 - 24 VDC +/-5% at 23 °C Serial versions

### ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
HUMIDITY	5 - 95% (NON –CONDENSING)
SHOCK	2500 G at 23 °C at 0.85 m sec.
TEMPERATURE	Operating: -20 to 55 °C / -4 to 131 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

INTERFACES	RJ45 connector, USB Micro connector UART 4 pin or 12 pin connector
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### PHYSICAL CHARACTERISTICS

DIMENSIONS	23 mm H x 42 mm W x 27 D mm /0.9 H x 1.65 W x 1.06 D in (Integrated Assembly model)
WEIGHT	17 g / 0.59 oz Remote Scan Engine 25 g / 0.88 oz Integrated Assembly 28 g / 0.98 oz Enclosed

### READING PERFORMANCE

IMAGER SENSOR	WVGA: 752 x 480 pixels
LIGHT SOURCE	Aiming: 650 nm VLD Illumination: Internal White LEDs
PRINT CONTRAST RATIO (MIN)	25%
FIELD OF VIEW	40° H x 26° V
READING ANGLE	Pitch: +/- 60°; Roll (Tilt): +/-180°;Skew (Yaw): +/- 60°
READING INDICATORS	Green Spot good read confirmation (optional), Audible Beeper
RESOLUTION (MAXIMUM)	1D Linear: 3 mils; DataMatrix: 7.5 mils; PDF417: 5 mils

### READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. 1D / 2D CODES 3 mils Code 39: up to 10.5 cm / up to 4.1 in 5 mils Code 39: 6.5 to 21.0 cm / 2.6 to 8.3 in 13 mils EAN-13: 5.5 to 39.0 cm / 2.2 to 15.4 in 20 mils Code 39: up to 50.0 cm / up to 19.7 in 15 mils DataMatrix: 4.0 to 25.0 cm / 1.6 to 9.8 in
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### SAFETY & REGULATORY

ENVIRONMENTAL COMPLIANCE	Complies to China RoHS; Complies to EU RoHS
LASER CLASSIFICATION	Caution Laser Radiation - Do not stare into beam IEC 60825 Class 2

### UTILITIES

DATALOGIC ALADDIN™	Datalogic Aladdin configuration SW Command set for programmatic configuration
OPOS / JAVAPOS	JavaPOS Utilities are available OPOS Utilities are available
REMOTE HOST DOWNLOAD	Lowers service costs and improves operations

### WARRANTY

WARRANTY	18-Month Factory Warranty
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### Base Models

	Part Number
MIN-E Barcode Scan module Integrated RS232 Communications RJ45	MIN-E-SIJ-TL
MIN-E Barcode Scan module Integrated USB Communications micro USB connector	MIN-E-UIM-TL
MIN-E Barcode Scan module Integrated UART Communications	MIN-E-RID-TL
MIN-E Barcode Scan module Remote Scan Engine RS232 Communications	MIN-E-SRD
MIN-E Barcode Scan module Remote Scan Engine USB Communications	MIN-E-URD
MIN-E Barcode Scan module Remote Scan Engine UART Communications	MIN-E-RRD
MIN-E Enclosed Barcode Scan Module RS232 Communications RJ45	MIN-E-SEJ-TL
MIN-E Enclosed Barcode Scan Module USB Communications RJ45	MIN-E-UEJ-TL

### Accessories

DSE USB Communications cable (use with RJ45 USB Integrated and Enclosed models)	CAB-DSE-001
DSE RS232 Communications and pwr cable (use with RJ45 RS232 Integrated and Enclosed Models)	CAB-DSE-002