

# L-50X

## 2D Imager Scanner

### HIGHLIGHTS

- Custom logo display area
- High speed scanning
- Editing function
- LED aiming

### CUSTOM LOGO DISPLAY



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 **OPTICON**

# L-50X

## Basic product specifications

### OPERATING INDICATORS

**CPU:** ARM-926EJ-S 400 MHz **VISUAL:** 1 white LED **NON-VISUAL:** Buzzer

### OPERATING KEYS

**ENTRY OPTIONS:** 1 scan key

### COMMUNICATION

**RS232:** D-SUB9 pin (with external power supply) **KEYBOARD WEDGE:** PS/2 (with external power supply) **USB:** Ver. 2.0, HID/COM, USB-A connector

### POWER

**VOLTAGE REQUIREMENT:** 6V ± 5% (Keyboard Wedge and RS232) **CURRENT CONSUMPTION:** Max. 210mAh

### 2D IMAGER OPTICS

**LIGHT SOURCE:** Aiming green LED **SCAN METHOD:** CMOS area sensor, 752 x 480 pixels **SCAN RATE:** Up to 60 fps **TRIGGER MODE:** Manual, auto-trigger, stand detection **READING PITCH ANGLE:** -65 to 0°, 0 to +65° **READING SKEW ANGLE:** -65 to 0°, 0 to +65° **READING TILT ANGLE:** 360° **CURVATURE:** R>16 mm (EAN10), R>20 mm (EAN12) **MIN. RESOLUTION AT PCS 0.9:** 0.127 mm / 5 mil **MIN. PCS VALUE:** 0.9 **FIELD OF VIEW:** Horizontal 40.6°, Vertical 26.4° **DEPTH OF FIELD AT CODE 39:** 45 - 80 mm / 1.77 - 3.15 in (0.127 mm / 5 mil), 20 - 160 mm / 0.79 - 6.30 in (0.254 mm / 10 mil), 35 - 235 mm / 1.38 - 9.25 in (0.508 / 20 mil), at QR Code: 50 - 75 mm / 1.97 - 2.95 in (0.212 mm / 8.4 mil), 10 - 140 mm / 0.39 - 5.51 in (0.381 mm / 15 mil) at Data Matrix: 30 - 95 mm / 1.18 - 3.74 in (0.254 mm / 10 mil)

### SUPPORTED SYMBOLOGIES

**BARCODE (1D):** JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), GS1 DataBar Limited, GS1 DataBar Expanded, Code 11, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/Plessey, UK/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey **POSTAL CODE:** Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, POSTNET PLANET, Japan Postal, Netherland KIX Code, UK Postal, Australian Postal Code **2D CODE:** Aztec Code, Aztec Runes, Chinese Sensible code, Codablock F, Data Matrix (ECC 200), Maxi Code, MicroPDF417, Micro QR Code, Passport MRZ (OCR-B), PDF417, QR code

### DURABILITY

**TEMPERATURE IN OPERATION:** 0 to 50 °C / 32 to 122 °F **TEMPERATURE IN STORAGE:** -20 to 60 °C / -4 to 140 °F **HUMIDITY IN OPERATION:** 5 - 90% (non-condensing) **HUMIDITY IN STORAGE:** 5 - 90% (non-condensing) **AMBIENT LIGHT IMMUNITY:** Fluorescent 10,000 lx, Direct sun 100,000 lx, Incandescent 10,000 lx **DROP TEST:** 1.5 m / 5 ft drop onto concrete surface **VIBRATION TEST:** 10 - 100 Hz with 2G for 1 hour **PROTECTION RATE:** IP 42

### PHYSICAL

**DIMENSIONS (W X H X D):** 75.4 x 169.5 x 121.2 mm / 2.97 x 6.67 x 4.77 in  
**DIMENSIONS STAND (W X H X D):** 120 x 294 x 180 mm / 4.72 x 11.57 x 7.09 in (excl. scanner) **CABLE LENGTH:** 2.0 m **WEIGHT BODY: CA.** 150 g / 5.3 oz (excl. cable) **WEIGHT STAND:** Ca. 335 g / 11.8 oz **CASE:** ABS/PC, Black or White

### REGULATORY & SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, VCCI Class B, RoHS, IEC 62471-1:2006, EN55022, EN55024

### ENCLOSED ITEMS

Power supply 6V/2A (for RS232 and Keyboard Wedge), Stand

### MODELS

**INTERFACE VERSIONS:** RS232, Keyboard Wedge, USB

CABLE LENGTH: 2.0 m

