

L-50 Series

CCD - Laser - 2D Imager



Highlights

- Sophisticated ergonomic design with an excellent price-to-performance ratio
- Ideal solution for a variety of applications in retail, warehousing, distribution, healthcare, transportation and logistics
- Available with CCD, laser or 2D Imager barcode scanner
- Rapidly scans and decodes a wide variety of 1D or 2D barcodes
- USB (HID), RS232 or keyboard wedge interfaces available
- Replaceable interface cable
- Top panel design allows for customer customization such as logos
- Durable and reliable — withstands drops of 5 feet to concrete, IP 42 rating
- Available in black or white
- Stand included for hands-free scanning
- Backed by a two year warranty

L-50

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: Version 2.0, HID/COM, USB-A connector

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)

WEIGHT BODY: Ca. 150 g / 5.3 oz (excl. cable)

WEIGHT STAND: Ca. 335 g / 11.8 oz

CASE: ABS/PC, Black or White

POWER

VOLTAGE REQUIREMENT: 6V ± 5% (Keyboard Wedge and RS232)

CURRENT CONSUMPTION: Max. 210mAh

DURABILITY

DUST AND MOISTURE: IP 42

DROP TEST: 1.5 m drop onto concrete surface

L-50C

SCAN METHOD: CCD liner imager sensor

LIGHT SOURCE: Red LED (624 nm)

SCAN RATE: 300 scan / sec (max)

MINIMUM RESOLUTION: 0.1 mm (Code 39)

MINIMUM PCS: 0.3

SCAN FROM LCD: Possible

DEPTH OF FIELD (RESOLUTION/MM) CODE 39:

40 - 590 mm (1.0), 15 - 210 mm (0.25), 35 - 80 mm (0.127)

SUPPORTED SYMBOLOGIES:

UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Add-on, EAN-8, EAN-8 Add-on, Code 39, Tri-Optic, NW-7 (Codabar), Industrial 2 of 5, Interleaved 2 of 5, Code 93, Code 128, GS1-128, S-Code, MSI/Plessey, UK/Plessey, TELEPEN, Matrix 2of5, Chinese Post Matrix 2of5, IATA, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Code 11, Korean Postal Authority code

L-50R

SCAN METHOD: Bi-directional laser scanner

LIGHT SOURCE: Red laser diode (650 nm)

SCAN RATE: 100 scans / sec

MINIMUM RESOLUTION: 0.127 mm (Code 39)

MINIMUM PCS: 0.45

DEPTH OF FIELD (RESOLUTION/MM) CODE 39:

40 - 500 mm (1.0), 20 - 200 mm (0.25), 30 - 70 mm (0.127)

SUPPORTED SYMBOLOGIES:

UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Add-on, EAN-8, EAN-8 Add-on, Code 39, Tri-Optic, NW-7 (Codabar), Industrial 2 of 5, Interleaved 2 of 5, Code 93, Code 128, GS1-128, S-Code, MSI/Plessey, UK/Plessey, TELEPEN, Matrix 2of5, Chinese Post Matrix 2of5, IATA, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, PDF417, MicroPDF417, Code 11, Korean Postal Authority code

L-50X

SCAN METHOD: CMOS area imager sensor

LIGHT SOURCE: Red LED (617 nm) for illumination, Green LED (528 nm) for aiming

SCAN RATE: 60 fps (max)

MINIMUM RESOLUTION: 0.1 mm (Code 39), 0.169 mm (PDF/QR Code)

MINIMUM PCS: 0.2

MOTION TOLERANCE: 2 m / sec

SCAN FROM LCD: Possible

DEPTH OF FIELD (RESOLUTION/MM):

Code 39: 35 - 235 mm (0.5)
Code 39: 30 - 170 mm (0.25)
Code 39: 50 - 90 mm (0.127)
Code 128: 50 - 135 mm (0.2)
100% UPC: 30 - 160 mm (0.33)
PDF417: 45 - 105 mm (0.169)
QR Code: 55 - 80 mm (0.212)
Data Matrix: 50 - 105 mm (0.254)

SUPPORTED SYMBOLOGIES:

BARCODE (1D): UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Add-on, EAN-8, EAN-8 Add-on, JAN-8, JAN-13, Code 39, Tri-Optic, Codabar (NW-7), Industrial 2 of 5, Interleaved 2 of 5, S-Code, IATA, Code 93, Code 128, MSI/Plessey, UK/Plessey, TELEPEN, Matrix 2 of 5, Chinese Post Matrix 2 of 5, Code 11, Korean Postal Authority code, Postal Code

BARCODE (2D): PDF417, MicroPDF417, Codablock F, QR Code, Micro QR Code, DataMatrix (ECC 0 - 140 / ECC 200), MaxiCode (Modes 2 to 5), Aztec Code, Chinese Sensible Code

GS1/COMPOSITE: GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Composite GS1-DataBar, Composite GS1-128, Composite EAN, Composite UPC

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



Top panel design allows for customer customization such as logos.

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