

L-46X

2D Imager

The L-46X is the next gen 2D scanner that is easy to use, scans at a high rate and comes with exchangeable USB/RS232 cable and stand



The L-46X is a fast and modern 2D scanner

The L-46X is a versatile pistol grip scanner that comes in two different settings so you can have the hardware you require in your scanner.

The cables are interchangeable, making it easy to switch between USB or RS-232 interface.



Highlights

- Auto-trigger or manual
- Interchangeable (RS232 & USB)
- Reads from LCD screens
- Scan rate 100 fps
- 1D & 2D reading

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Product Specifications

Operation

CPU: ARM-Cortex-A7

Operating indicators

Visual: 1 LED (red/green/blue)

Non-visual: buzzer, vibrator (optional)

Operating keys

Entry options: 1 scan key

Communication

RS232C: DB9 pin (with external power supply),

RS-232(gp) pin 9 power supply

USB: ver. 2.0, HID/VCP, USB-A connector

Power

Voltage requirement: 5V ± 10%

Current consumption: Typ. 330mA (RS-232), 340mA (USB)

2D Imager optics

Light source: Aiming green LED, warm white illumination LED

Scan method: CMOS area sensor, 640 x 480 pixels

Scan rate: Up to 100 fps

Trigger mode: Manual, auto-trigger

Reading pitch angle: -65° to +65°

Reading skew angle: -65° to +65°

Reading tilt angle: 360°

Curvature: R≥20 mm (12-digit UPC)

Min. resolution at PCS 0.9: 0.1 mm

Field of view: Horizontal 38,0°, Vertical 26,4°

Min. PCS value: 0.2

Depth of field at code 39: 23 - 69 mm / 0.91 - 2.72 in (0.127 mm / 5 mil), 21 - 168 mm / 0.83 - 6.61 in (0.254 mm / 10 mil), 43 - 330 mm / 1.69 - 12.99 in (0.508 / 20 mil)

Depth of field at Code 128: 36 - 124 mm / 1.42 - 4.88 in (0.2 mm / 7.87mil)

Depth of field at UPC: 21 - 207 mm / 0.83 - 8.15 in (0.33 mm / 13 mil)

Depth of field at PDF417: 16 - 88 mm / 0.63 - 3.46 in (0.169 mm / 5 mil), 12 - 142 mm / 0.47 - 1.65 in (0.254 mm / 10 mil)

Depth of field at QR Code: 32 - 56 mm / 1.26 - 2.21 in (0.169 mm / 5 mil), 0 - 173 mm / 0 - 6.81 in (0.381 mm / 15 mil)

Depth of field at DataMatrix: 34 - 60 mm / 1.34 - 2.36 in

(0.169 mm / 5 mil), 14 - 108 mm / 0.55 - 4.25 in (0.254 mm / 10 mil)

Supported symbologies

Barcode (1D): UPC-A, UPC-E, UPC-E1, UPC-A Add-on, UPC-E Add-on, EAN-13, EAN-8, EAN-13 Add-on/EAN-8 Add-on, JAN-8, JAN-13, Code 39, NW-7(Codabar), Industrial 2 of 5, Interleaved 2 of 5, Code 93, Code 128, GS1-128, MSI/Plessey, Code 11, OCR-B, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Composite GS1 DataBar, Composite GS1-128, Composite EAN, Composite UPC

Postal code: Japanese Postal, Intelligent Mail Barcode, POSTNET, PLANET, Netherlands KIX Code, UK Postal, Australian Postal, Korean Postal Authority code

2D code: PDF417, MicroPDF417, Codablock F, QR Code, Micro QR Code, DataMatrix (ECC 200), MaxiCode, Aztec Code, Chinese Sensible Code

Durability

Temperature in operation: -5 to 50 °C / 23 to 122 °F

Temperature in storage: -30 to 60 °C / -22 to 140 °F

Humidity in operation: 0% to 90% (non-condensing)

Humidity in storage: 0% to 90% (non-condensing)

Ambient light immunity: Fluorescent 10,000 lx, direct sun 100,000 lx, Incandescent 10,000 lx

Max drop test: 1.8 m / 6 ft drop onto concrete surface

Vibration test: 10 - 100Hz with 2G for 1 hour

Protection rate: IP42

Physical

Dimensions Scanner (W x H x D): 105.4 x 153.4 x 60 mm / 4.15 x 6.04 x 2.36 in

Weight body: Ca. 112 g / 3.9 oz (excl. cable)

Dimensions Stand (W x H x D): 53 x 112 x 73 mm / 2.09 x 4.41 x 2.87 in

Weight Stand: Ca. 365 g / 12.9 oz (excl. cable)

Case: Black or White

Regulatory & safety

Product compliance: CE, FCC, VCCI, RoHS, IEC62471-1:2006, EN55032, EN55024

Items

Enclosed: Power supply 5V/2A (for RS232), Stand

Models

Interface versions: RS232, USB