

# L-46X

## 2D Imager Scanner

### HIGHLIGHTS

- Extreme high speed scanning
- Editing function
- LED aiming
- Exchangeable cable (interface)
- Fast moving object scanning



# L-46X

## Basic product specifications

### OPERATING INDICATORS

**CPU:** ARM-Cortex-A7 800 MHz **VISUAL:** white LED **NON-VISUAL:** Buzzer, Vibrator

### OPERATING KEYS

**ENTRY OPTIONS:** 1 scan key

### COMMUNICATION

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

### POWER

**VOLTAGE REQUIREMENT:** 5V ± 5% (RS232) **CURRENT CONSUMPTION:** Typ. 330mA

### 2D IMAGER OPTICS

**ENGINE:** Opticon **LIGHT SOURCE:** Aiming green 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 0°, 0 to +65° **READING SKEW ANGLE:** -65 to 0°, 0 to +65° **READING TILT ANGLE:** 360° **CURVATURE:** R>20 mm (12-digit UPC) **MIN. RESOLUTION AT PCS 0.9:** 0.1 mm / 3.9 mil **MIN. PCS VALUE:** 0.2 **FIELD OF VIEW:** Horizontal 38,0°, Vertical 26.4°, Diagonal 46.4° **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), **AT CODE 128:** 36 - 124 mm / 1.42 - 4.88 in (0.2 mm / 7.87mil) **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), **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) **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 **POSTAL CODE:** Japanese Postal, Intelligent Mail Barcode, POSTNET, PLANET, Netherlands KIX Code, UK Postal, Australian Postal, Korean Postal Authority code **BARCODE (GS1):** GS1 DataBar , GS1 DataBar Limited ,GS1 DataBar Expanded,Composite GS1 DataBar, Composite GS1-128 , Composite EAN , Composite UPC **BARCODE(2D):** 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 - 90% (non-condensing, no frost) **HUMIDITY IN STORAGE:** 0 - 90% (non-condensing, no frost) **AMBIENT LIGHT IMMUNITY:** Fluorescent 10,000 lx, Direct sun 100,000 lx, Incandescent 10,000 lx **DROP TEST:** 1.8 m / 6 ft drop onto concrete surface **VIBRATION TEST:** 10 - 100 Hz with 2G for 1 hour

**PROTECTION RATE:** IP 42

### 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 BODY:** Ca. 365 g / 12.9 oz **CASE:** Black or White

### REGULATORY & SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, VCCI Class B, RoHS, IEC 62471-1:2006, EN55032, EN55024

### ENCLOSED ITEMS

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

### MODELS

**INTERFACE VERSIONS:** RS232, USB

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