

L-51X

2D Imager Scanner

HIGHLIGHTS

- Custom logo display area
- Extreme high speed scanning
- Editing function
- LED aiming
- Exchangeable cable (interface)
- Fast moving object scanning
- Operates at -20°C

CUSTOM LOGO DISPLAY



L-51X

Basic product specifications

OPERATING INDICATORS

CPU: ARM-Coretex-A7 800 MHz **VISUAL:** 1 white LED **NON-VISUAL:** Buzzer

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% (USB), 5 - 6V ± 5% (RS-232C) **CURRENT CONSUMPTION:** Typ. 400mAh

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, 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>20 mm (EAN12) **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° **DEPTH OF FIELD:** AT CODE 39: 25 - 75 mm / 0.98 - 2.95 in (0.127 mm / 5 mil), 30 - 180 mm / 1.18 - 7.09 in (0.254 mm / 10 mil), 65 - 365 mm / 2.56 - 14.37 in (0.508 / 20 mil), AT CODE 128: 45 - 145 mm / 1.77 - 5.71 in (0.2 mm / 7.87mil) AT UPC: 30 - 225 mm / 1.18 - 8.86 in (0.33 mm / 13 mil) **DEPTH OF FIELD:** AT PDF417: 20 - 105 mm / 0.79 - 4.13 in (0.169 mm / 5 mil), 20 - 160 mm / 0.79 - 6.30 in (0.254 mm / 10 mil), AT QR CODE: 39 - 53 mm / 1.54 - 2.08 in (0.169 mm / 5 mil), 20 - 180 mm / 0.79 - 7.08 in (0.381 mm / 15 mil) AT DATAMATRIX: 39 - 53 mm / 1.54 - 2.08 in (0.169 mm / 5 mil), 30 - 105 mm / 1.18 - 4.13 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, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/Plessey, UK/Plessey, S-Code, Telepen, Tri-Optic **POSTAL CODE:** Intelligent Mail Barcode, Korean Postal Authority code, POSTNET PLANET, Japan Postal, Netherland KIX Code, UK Postal, Australian Postal Code **2D CODE:** Aztec Code, Chinese Sensible code, Codablock F, Data Matrix (ECC 200/ECC-000-140), Maxi Code, MicroPDF417, Micro QR Code, PDF417, QR code, Passport MRZ OCR-B

DURABILITY

TEMPERATURE IN OPERATION: -20 to 50 °C / -4 to 122 °F **TEMPERATURE IN STORAGE:** -30 to 60 °C / -22 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):** 106 x 323 x 146 mm / 4.17 x 12.72 x 5.75 in (excl. scanner) **WEIGHT BODY:** Ca. 145 g / 4.9 oz (excl. cable) **WEIGHT STAND:** Ca. 373 g / 12.6 oz **CASE:** ABS/PC, Black or Black/White **CABLE LENGTH:** 2.0 m

REGULATORY & SAFETY

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

ENCLOSED ITEMS

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

MODELS

INTERFACE VERSIONS: RS232, USB

