

MALL
CONSULTING
PARTNER

OPTICON

CABLED SCANNERS

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





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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

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