L-50C

CCD Linear Imager

HIGHLIGHTS

Custom logo display area
Reads high res barcodes
Reads from LCD screens
Scan rate 300 scans/sec
LED aiming

≡ OPTICON

L-50C

Basic product specifications

OPERATING INDICATORS

CPU: 32-bit CISC, 96 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:** Ver. 2.0, HID/COM, USB-A connector

POWER

VOLTAGE REQUIREMENT: 6V ± 5% (Keyboard Wedge and RS232) **CURRENT CONSUMPTION:** Max. 165mAh

BARCODE SCANNER OPTICS

LIGHT SOURCE: red LED, 624 nm **SCAN METHOD:** CCD linear image sensor, 1500 pixels **SCAN RATE:** 300 scans/sec **TRIGGER MODE:** Manual, auto-trigger, stand detection **READING PITCH ANGLE:** -50 to 0°, 0 to +50° **READING SKEW ANGLE:** -65 to 0°, 0 to +65° **READING TILT ANGLE:** 25° **CURVATURE:** R>15 mm (EAN8), R>20 mm (EAN13) **MIN. RESOLUTION AT PCS 0.9:** 0.076 mm **MIN. PCS VALUE:** 0.3 **DEPTH OF FIELD AT CODE 39:** 35 - 90 mm / 1.38 - 3.54 in (0.127 mm / 5 mil), 30 - 120 mm / 1.18 - 4.72 in (0.15 mm / 6 mil), 15 - 220 / 0.59 - 8.66 in (0.254 mm / 10 mil), 25 - 350 mm / 0.98 -13.78 in (0.508 / 20 mil), 40 - 600 mm / 1.57 - 23.62 in (1.0 mm / 39 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, Code 11, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/Plessey, UK/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey **POSTAL CODE:** Chinese Post Matrix 2of5, Korean Postal Authority code

DURABILITY

TEMPERATURE IN OPERATION: 0 to 50 °C / 32 to 122 °F **TEMPERATURE IN STORAGE:** -20 to 60 °C / -4 to 140 °F **HUMIDITY IN OPERATION:** 5 - 95% (non-condensing) **HUMIDITY IN STORAGE:** 5 - 95% (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):** 120 x 294 x 180 mm / 4.72 x 11.57 x 7.09 in (excl. scanner) **WEIGHT BODY:** Ca. 145 g / 5.1 oz (excl. cable) **WEIGHT STAND:** Ca. 335 g / 11.8 oz **CASE:** ABS/PC, Black or White

REGULATORY & SAFETY

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

ENCLOSED ITEMS

Power supply 6V/2A (for RS232 and Keyboard Wedge), Stand

MODELS

INTERFACE VERSIONS: RS232, Keyboard Wedge, USB

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