

OPR-3201

Barcode Laser Scanner

HIGHLIGHTS

- High speed scanning
- Laser engine
- Plug & play
- 1.5 m drop proof



OPR-3201

Basic product specifications

OPERATING INDICATORS

VISUAL: 1 LED / large LED (red/green/orange) **NON-VISUAL:** Buzzer

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

RS232: DB9 PTF connector with external power supply **KEYBOARD WEDGE:**

MiniDIN6 F/M connector **USB:** Ver. 1.1, HID/VCP, USB-A connector

POWER

VOLTAGE REQUIREMENT: 5V ± 10% (Keyboard Wedge and USB), 6V (min.

4.5, max. 6.5V) (RS232) **CURRENT CONSUMPTION:** Max. 200 mA

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode **SCAN METHOD:** Bi-directional scanning **SCAN RATE:** 100 scans/sec **TRIGGER MODE:** Manual, auto-trigger, stand detection **READING PITCH ANGLE:** -35 to 0°, 0 to +35° **READING SKEW ANGLE:** -50 to -8°, +8 to +50° **READING TILT ANGLE:** -20 to 0°, 0 to +20° **CURVATURE:** R>15 mm (EAN8), R>20 mm (EAN13) **MIN. RESOLUTION AT PCS 0.9:** 0.127 mm / 5 mil **MIN. PCS VALUE:** 0.35 **DEPTH OF FIELD:** At PCS 0.9, Code 39, 40 - 400 mm / 1.57 - 15.75 in (1.0 mm / 39 mil), 20 - 300 mm / 0.79 - 11.81 in (0.5 mm / 20 mil), 20 - 200 mm / 0.79 - 7.87 in (0.25 mm / 10 mil), 20 - 100 mm / 0.79 - 3.94 in (0.15 mm / 6 mil), 30 - 70 mm / 1.18 - 2.76 in (0.127 mm / 5 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), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey **POSTAL CODE:** Chinese Post, Korean Postal Authority code **2D CODE:** Composite codes, MicroPDF417, PDF417

DURABILITY

TEMPERATURE IN OPERATION: -5 to 50 °C / -23 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 - 90% (non-condensing) **AMBIENT LIGHT IMMUNITY:** White 3,000 lx max, Fluorescent 3,000 lx max, Direct sun 50,000 lx max **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): 56 x 149 x 109 mm / 2.20 x 5.87 x 4.29 in

DIMENSIONS STAND (W x H x D): 146 x 106 x 295 mm / 5.75 x 4.17 x 11.61 in (excl. scanner) **WEIGHT BODY:** Ca. 80 g / 2.8 oz (excl. cable) **CASE:** ABS, Black or White **WEIGHT STAND:** 385 g / 13.58oz

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

ENCLOSED ITEMS

Stand

SOLD SEPARATELY

Power supply 6V/2A (for RS232)

MODELS

INTERFACE VERSIONS: RS232, Keyboard Wedge, USB **COLOR VERSIONS:** Black, White

