OPR-3201

Barcode Laser Scanner

HIGHLIGHTS

High speed scanning
Laser engine
Plug & play
1.5 m drop proof
Antimicrobial (optional)



OPTICON

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

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