NLV-1001

Fixed Position Scanner

HIGHLIGHTS

High speed scanning
100 scans per second
Various interfaces
Low power consumption

≡ OPTICON

NLV-1001

Basic product specifications

OPERATING INDICATORS

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

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% **CURRENT CONSUMPTION:** 85mA (typical use), max. 150mA

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode **SCAN METHOD:** Bi-directional scanning **SCAN RATE:** 100 scans/sec **TRIGGER MODE:** Manual, multiple read, auto-trigger, serial software trigger **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:** 0.45 **DEPTH OF FIELD:** At PCS 0.9 Code 39, 70 - 630 mm / 2.76 - 24.80 in (1.0 mm / 39 mil), 50 - 400 mm / 1.97 - 15.75 in (0.5 mm / 20 mil), 50 - 240 mm / 1.97 - 9.45 in (0.25 mm / 10 mil), 50 - 130 mm / 1.97 - 5.12 in (0.15 mm / 6 mil), 60 - 100 mm / 2.36 - 3.94 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: -10 to 45 ˚C / 14 to 113 ˚F **TEMPERATURE IN STORAGE:** -20 to 60 ˚C / -4 to 140 ˚F **HUMIDITY IN OPERATION:** 20 - 85% (non-condensing) **HUMIDITY IN STORAGE:** 20 - 90% (non-condensing) **AMBIENT LIGHT IMMUNITY:** Fluorescent 3,000 lx max, Direct sun 50,000 lx max, Incandescent 3,000 lx max **ANTISTATIC ELECTRICITY:** 10kV (non-destructive) **DROP TEST:** 0.75 m / 2.5 ft drop onto concrete surface **PROTECTION RATE:** IP 43

PHYSICAL

DIMENSIONS (W X H X D): 30 x 20 x 43.3 mm / 1.18 x 0.79 x 1.70 in **WEIGHT BODY:** Ca. 18.5 g / 0.7 oz (excl. cable) **CASE:** ABS, Black

REGULATORY & SAFETY

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

SOLD SEPARATELY

Power supply 100-240V/0.5A, 50/60 Hz, 5V/2A (for RS-232)

MODELS

INTERFACE VERSIONS: RS-232, Keyboard Wedge, USB

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