NLV1001

Barcode laser scanner

RS232

Keyboard Wedge

USB (HID/VCP)



+ Related products



OPV1001
- Stationary device
- Omnidirectional laser scanner
- RS232, Keyboard Wedge, USB (HID/VCP)
- ABS, with stand



NFT7175
- Stationary device
- Barcode CCD scanner
- RS232
- Sheet metal, 700 scans/sec



OPR2001
- Cabled device
- Barcode laser scanner
- RS232, Keyboard Wedge, USB
- With stand

+ Basic Product Specifications

NLV1001_002

Operating indicators
- Visual: 1 LED (red/green/orange)
- Non-visual: Buzzer

Communication
- RS232: DB9 PTF connector with external power supply
- 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 seperately
- Power supply 100-240V/0.5A, 50/60 Hz, 5V/2A (for RS232)

Models
- Interface versions: RS232, Keyboard Wedge, USB

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- **France:** Issy Les Moulineaux
- **Germany:** Dietzenbach
- **Italy:** Castel Maggiore (BO)
- **Spain:** Valencia
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Renton, WA
- **Japan:** Warabi City
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- **P.R.China:** Shanghai
- **Australia:** Kariong
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