


## NLV2001

Barcode laser scanner

RS232

Keyboard Wedge

 USB (HID/VCP)

### + Related products

#### NLV1001

- Stationary device
- Barcode laser scanner
- RS232, Keyboard Wedge, USB (HID/VCP)
- IP 43, ABS



#### NLV2101

- Stationary device
- 2D CMOS imager
- RS232, USB (HID/VCP)
- IP 67, Metal



#### NLB1000

- Stationary device
- Barcode laser scanner
- RS232, USB (VCP)
- IP 54, Metal diecast, 1000 scans/sec



## Operating indicators

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

## Communication

- RS232: DB9 PTF connector with external power supply
- Keyboard Wedge: DIN6 F/M connector
- USB: Ver. 1.1, HID/VCP, USB-A connector

## Power

- Voltage requirement: 5V  $\pm$  10%

## 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 (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 Symbolologies

- 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: 0 to 45 °C / 32 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: 15 kV (non-destructive)
- Drop test: 0.75 m / 2.5 ft drop onto concrete surface
- Protection rate: IP 67

## Physical

- Dimensions (w x h x d):  
46 x 25 x 58 mm / 1.81 x 0.98 x 2.28 in
- Weight body: Ca. 120 g / 4.2 oz (excl. cable)
- Case: Metal, 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 RS232)

## Models

- Interface versions: RS232, Keyboard Wedge, USB

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- **France:** Issy Les Moulineaux  
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