




## Description

 **NOTIFICATION DISCONTINUED** | Alternatives can be found under the 'Related products' tab, or contact us for assistance.

The information below is for reference purposes only.

Helaas is de NLV2101 niet meer leverbaar.

**We hebben de volgende alternatieven voor u beschikbaar:**

- Alternatieven uit dezelfde categorie: Scanners - stationair
- U kunt ook gebruik maken van onze \* **SERVICES** | uitleg |

De onderstaande gegevens zijn ter referentie:

 1D barcode  PDF417 and MicroPDF417  2D barcode  USB HID&VCP  RS232  IP67

Model : **Opticon NLV-2101 (11624) (11623)**

Groep : *Stationary scanners Fixed Mount - With 1D 2D barcode imager, IP67*

Datasheet: Opticon NLV2101

Opticon NLV2101 is a compact and rugged fixed-position 2D barcode imager that uses Opticon's proprietary scan engine technology for quick and accurate results.

**Project item alleen te bestellen per 50 stuks.**

## Product Features

### Rugged Fixed-Position Design

The Opticon NLV2101 is cased in a rugged metal housing and sealed to IP67 standards that holds up well in environments where high water and dust resistance is required.

### Plug and Scan Installation

The Opticon NLV2101 comes with mounting holes located on two sides of the compact housing to maximize mounting options and several interfaces that provide for fast integration.

### Enhanced Floodlighting

High performance LEDs create sharper contrast between the code and the background allowing for faster reading and decoding by the 1.3 megapixel imager.

### Integrated Auto Triggering

In addition to the standard software and manual trigger options, the Opticon NLV2101 integrates an Auto Trigger that automatically initiates scanning of linear and 2D barcodes all in a compact form factor.

### Ensure Data Accuracy

Embedded feature for scanning barcodes twice reduces discrepancies and ensures data accuracy even if the code is oriented in reverse.

## Specifications

- Opticon NLV-2101 Fixed Position 2D Barcode Imager
- Article number 11624 Opticon NLV-2101 USB HID/VCP I Type (keyboard) **(Project item)**
- Article number 11623 Opticon NLV-2101 RS232 I Type DB9PTF **(Project item)**

### Electrical specifications

- Voltage requirement: 5 V ± 10%
- Current consumption: max. 330 mA

### Optical specifications

- Light source: illumination 4 red LEDs 630 nm, aiming 2 green LEDs 527 nm
- Scan method: CMOS area sensor
- Scan rate: up to 30 fps
- Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
- Reading width: depending on reading distance and barcode label resolution
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil, \*0.169 mm / 7 mil\*, at Code39 / PDF417 and \*Data Matrix\*
- Min. PCS value: 0.45
- Depth of field (view drawing)
- Depth of field: at PCS 0.9 \*PDF417\* and Code 39
- \*52 - 202 mm / 2.05 - 7.95 in (res. 1.0 mm / 39 mil)\*,
- \*97 - 122 mm / 3.82 - 4.80 in (res. 0.5 mm / 20 mil)\*,
- 52 - 232 mm / 2.05 - 9.13 in (res. 0.25 mm / 10 mil),
- 67 - 162 mm / 2.64 - 6.38 in (res. 0.15 mm / 6 mil),
- 97 - 122 mm / 3.82 - 4.80 in (res. 0.127 mm / 5 mil)
- Field of view: horizontal: 47°, vertical: 37.5°

### Communication specifications

- Available interfaces: RS232C, USB(HID keyboard /VCP serial port)

### Identification

- Supported 1D barcode Symbologies: JAN/UPC/EAN (WPC) incl. add on, JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes
- Supported 2D barcode Symbologies: Aztec Code, Aztec Runes, Data Matrix (ECC200/EC0-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code

### Environmental specifications

- 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 fluorescent light rejection: 10,000 lx max.
- Ambient direct sun light rejection: 100,000 lx max.
- Ambient incandescent light rejection: 10,000 lx max.
- Antistatic electricity: 15 kV (non-destructive)
- Shock drop test: 0.75 m / 2.5 ft drop onto concrete surface
- Protection (dust and moisture, IEC529): IP 67

### Physical specifications

- Dimensions: 46 x 58 x 24.5 mm / 1.81 x 2.28 x 0.96 in (view drawing)
- Case material: sheet metal
- Weight body: Ca. 120 g / 4.2 oz (excl. cable)
- Connector RS232: DB9 F-PTF with external power
- Connector USB: USB-A

### Regulatory

- Product compliance: CE, FCC, VCCI, RoHS

### Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

### Downloads

### Accessories

Sold separately.

- Power supply 5,0V/2,2A (Only for RS232) **Article number : 11052**
- Universal Menubook **Article number : 10961**