

## OPTICON

### NLV-4001 fixed 1D CCD bar code scanner, USB

The NLV-4001 is the smallest fix position scanner in the NLV-series and scans at a fast speed of 300 scans per second. This fixed position scanner is developed for the most demanding applications requiring a device capable of reading 1D barcodes

The NLV-4001 is our latest development in the NLV series. This small 1D CCD scanner is easily integrated and scans at a fast speed. The fix position scanner is perfect for the most demanding applications and the scanner is also very resistant with an IP65 rating.



This fixed mount scanner is ideal in situations that require 1D scanning at a fast speed. Our existing customers use this scanner in retail P.O.S., self service solutions like a kiosk, parking lot ticket machines and in medical or pharmaceutical analysis machines.

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Offered with the choice of USBCOM or Serial interface, this scanner is flexible enough to suit most OEM/ODM applications.

#### Features

- 300 scans per second
- Smallest in the NLV-series
- USBCOM or Serial interface
- Rugged; IP65



# Technical Description

## Functionality & Operation

|                          |   |
|--------------------------|---|
| Operation interface      | scan button                             |
| 1D Barcode Symbolologies | All standard one-dimension barcodes     |
| Configuration            | internet guide, by programming barcodes |
| Communication interface  | USB                                     |
| Indicators               | 1 LED (red/green/orange), buzzer        |

## Optical

|               |                       |
|---------------|-----------------------|
| Scanning rate | 300scan/s             |
| Light source  | visible red LED 625nm |

## Electrical

|                               |               |
|-------------------------------|---------------|
| Power Source                  | +5V $\pm$ 10% |
| Power Consumption - Operation | 180mA         |
| Power Consumption - Standby   | 50mA          |

## Mechanical

|              |  |
|--------------|--|
| Color        | black                                  |
| Body housing | ABS plastic                            |
| Weight       | 50g                                    |
| Dimensions   | Width: 33mm, Height: 24mm Length: 41mm |

## Environment

|                                     |  |
|-------------------------------------|--|
| Ingress protection                  | IP65                                   |
| Shock resistance                    | drop from 0,75 m onto concrete surface |
| Electrical static discharge         | $\pm$ 8kV contact                      |
| Maximal ambient light               | 10000lux                               |
| Operating temperature               | -5 to 50°C                             |
| Storage temperature                 | -20 to 60°C                            |
| Operating humidity (non-condensing) | 10 to 90%                              |
| Storage humidity (non-condensing)   | 10 to 95%                              |

## Others

|          |        |
|----------|--------|
| Warranty | 1 year |
|----------|--------|

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