

NLV-1001



Concept

An ultra compact fixed-position laser scanner in which a laser scan engine with a built-in decoder is embedded. The optimum reading performance for low quality labels* is improved.

Product Features

Laser Scan Engine with a Built-in Decoder

A bar code scanner which is highly reliable and not easily damaged. A laser scan engine with a built-in decoder is used for this scanner.

Variable Parameter Decoder

Upgraded reading performance for low quality labels* due to the adoption of a variable parameter decoder.

Analog LSI with High S/N Ratio

Improved in long-distance performance by utilizing an Analog LSI with high S/N ratio (compared with our product: 40% up at Resolution of 1.0mm).

Easy to Set Up

The chassis is designed with the screw holes on the side surface and bottom surface to set the scanner in various situations. Moreover, the setting on a tripod stand is possible by using optional stand clips.

Weight only 60 grams. Compact Fixed Position Scanner.

Ultra compact design in width of 3cm and weight of only 60 grams. NLV-1001 can be integrated in a limited space.

Various Interfaces

Three interfaces, RS232C, USB (HID), and USB (VCP), are supported. Command communication from the host can be performed through USB (VCP).

*Low quality labels: low contrast, wrong modulation, cracked, stains etc.



NLV-1001 Specifications

Electric and Interface Specifications

Power Supply Voltage	DC 5.0V +/- 10%
Interface	RS232C, USB (HID/VCP)

Optical Specifications

Light Source	Red laser diode 660 nm
Scan Rate	100 scans/sec
Reading Pitch Angle	-30 - 0 degrees, 0 - 30 degrees
Reading Skew Angle	-50 - 8 degrees, 8 - 50 degrees
Reading Tilt Angle	-20 - 0 degrees, 0 - 20 degrees
Curvature	R >= 15mm (JAN8) R >= 20 mm (JAN13)
Min. PCS Value	0.45
Min. Resolution	0.127 mm

Supported Linear (1D) Symbologies

EAN, JAN, UPC-A, UPC-E, Industrial 2of5, IATA, Interleaved 2of5, NW-7(CODABAR), Code-39, Code-93, Code-128, MSI/Plessey,
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Environmental Specifications

Operating Temperature	-10 - 40 degrees C
Storage Temperature	-20 - 60 degrees C
Operating Humidity	20 - 80% RH (Non condensing)
Storage Humidity	20 - 90% RH (Non condensing)
Ambient Light Immunity	Fluorescent light: 3,000 lx max. Sun Light: 50,000 lx max.
Antistatic Electricity	10 kV (non destructive)
Shock Drop Test	0.75 m (Drop onto concrete surface)

Functionality

Trigger Mode	Command Test button
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Physical Specifications

Weight	60 g
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Regulatory

RoHS*
Laser safety class: JIS C6802 Class 2
VCCI Class B

*RoHS

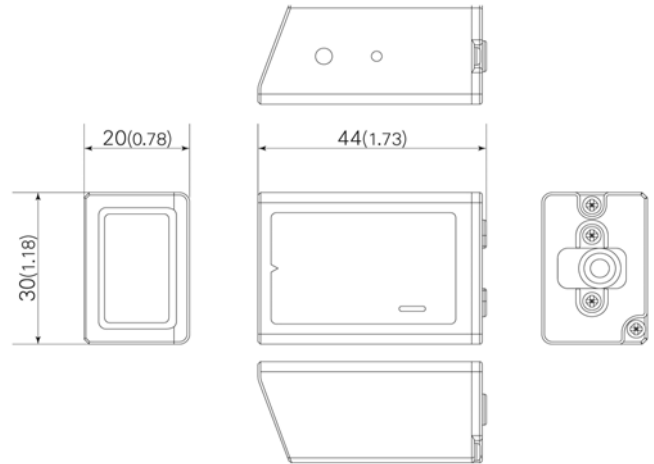
This document is to notify that this product does not use any material, components, or parts which are restricted under RoHS. However, this document does not have any legal weight in EU.

Accessories (Sold Separately)

AC adapter for RS232C
Dedicated stand

Dimensions

Unit: mm (inches)



All figures and values stated herein are measured with our original standards. Please refer to specifications for guaranteed values. All statements, figures and values stated herein are subject to change without prior notification.



OPTICON