

OPR- 3001



Concept

Enhanced dust-proof, drip-proof and shock-proof design. Designed for the use in places where the humidity tends to be higher (like in warehouses) and the operating environments tend to get more challenging (like in the open air).

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.

Enhanced Dust-proof and Drip-proof Features to Degrees of IP-54

Passed a shock test of dropping OPR-3001 to a concrete floor from a height of 2.0 meters and achieved protection degrees of IP-54. Enhanced its dust-proof and drip-proof features. It is suitable for the use in locations where the temperature and humidity gets high.

A Rubber Grip and a Trigger Guard

Attached a rubber grip around its handle and a trigger guard surrounding its trigger to achieve more comfortable holding of OPR-3001 for longer scanning operations.

A Large-diameter Indicator and Blue LEDs

Adopted a large-diameter indicator and blue LEDs so that users can read results of scanning operations even in places where they cannot secure enough light.

Various Interfaces

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



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CABLED

WIRELESS

STATIONED

OEM

OPR-3001 Specifications

Electric and Interface Specifications

Power Supply Voltage	DC 6.0V +/- 10%
Interface	RS232C,Keyboard wedge,USB (HID/VCP)

Optical Specifications

Light Source	Red laser diode 650 nm
Scan Rate	100 scans / per sec.
Reading Pitch Angle	-35 - 0 degrees ,0 - 35 degrees
Reading Skew Angle	-50 - -8 degrees ,8 - 50 degrees
Reading Tilt Angle	-20 - 0 degrees ,0 - 20degrees
Curvature	R >= 15 mm (JAN8) R >= 20 mm (JAN13)
Min. PCS Value	0.45
Min. Resolution	0.127 mm

Supported Symbolologies

EAN, JAN, UPC-A, UPC-E, Industrial 2 of 5, IATA, Interleaved 2 of 5, NW-7 (CODABAR), Code-39, Code-93, Code-128(EAN128), MSI/Plessey, RSS Code*1
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Environmental Specifications

Operating Temperature	-10 - 60 degrees C
Storage Temperature	-30 - 70 degrees C
Operating Humidity	5 - 95 % RH (Non condensing)
Storage Humidity	5 - 95 % RH (Non condensing)
Ambient Light Immunity	Fluorescent Light: 4,000 lx max. Sun Light: 80,000 lx max.
Dust and Drip Proof	IP-54
Shock Drop Test	2.0 m (Drop onto concrete surface)

Physical Specifications

Weight	210 g (Excluding the weight of a cable.)
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Regulatory

RoHS *2
Laser Safety Standard: JIS C6802 Class2
VCCI Class B, CE

Bundled Items

AC Adapter for RS232C

*1 RSS Code

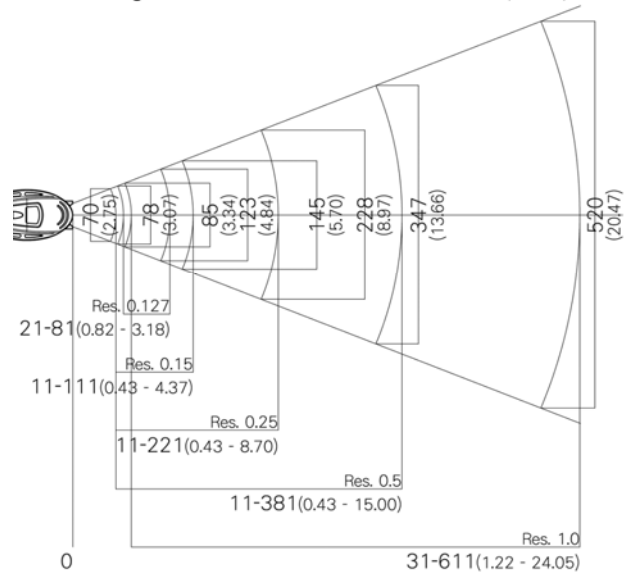
RSS-14 (Standard / Truncated / Stacked / Stacked Omni-directional) RSS Limited,RSS-Expanded (Standard/Stacked)

*2 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.

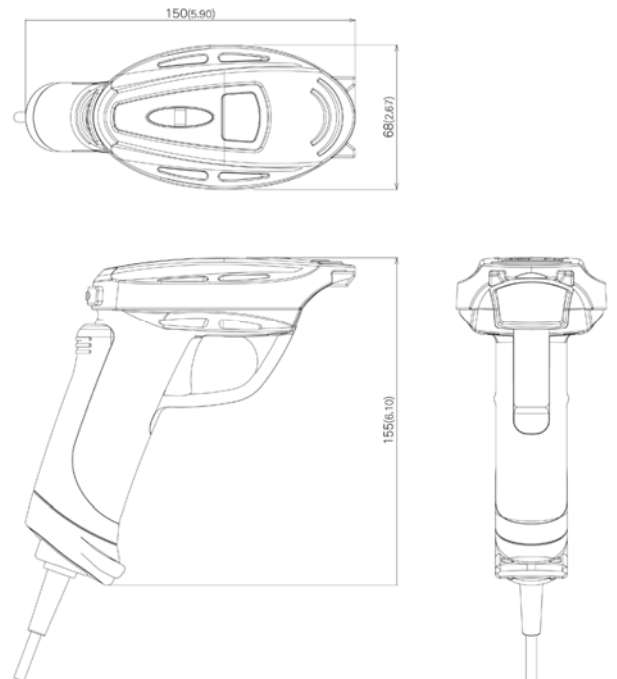
D.O.F. diagrams

Unit:mm (inches)



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.