

# OPI-2002

## Product Overview

Imager scanner that effortlessly handles industry standard 1D and 2D symbologies such as JAN, EAN, QR Code and PDF417.



### High-speed, Ultra-sensitive Megapixel CMOS Image Sensor

Customized CMOS image sensor allows scanner to achieve a frame rate of 30fps. The image sensor also makes it possible to scan images at wide angles and high resolutions.

### World's Fastest Image Processing Speed

High-speed ASIC enables a quick response - equal to that of VGA-class sensors - by processing vast amount of information transferred from the megapixel CMOS image sensor in a very short time.

### Effortless Handling of Industry Standard 1D and 2D Symbologies

Newly developed imager scan engine enhances scan smoothness for 1D (JAN, EAN, Code 39, EAN 128) and 2D (QR Code, PDF417, DataMatrix) symbologies.

### Strain-Reducing Rubber Stabiliser

The scanner features a rubber stabiliser around the handle to reduce operator strain during long periods of use.

### Light and Compact Gun-type Design

Scanner size has been reduced; weight is only 135 grams. Modern, unobtrusive design goes well with black or silver PC's or notebooks, and is suitable for use in shops and offices as well as laboratories and industrial environments.

### Various Interfaces

Supports RS232C, Keyboard Wedge and USB (HID/VCP) interfaces. USB (VCP) enables command communication from the host. USB (HID) will be available as a standard stock item.

### Tough Constuction

Protecting your investment, the OPI-2002 boasts an impressive drop withstand of 1.8 metres onto concrete.

### Hand-free Auto Trigger Options

It is possible to carry out hand-free scanning operation (Auto Trigger Options) by inserting OPI-2002 into the optionally available stand (ST-80). Operators can scan barcodes by holding tickets and bills under OPI-2002.

Eight to ten LEDs used to enhance reading and decoding performance.



CABLED

WIRELESS

STATIONARY

OEM



## Product Specifications

<b>Electrical Specifications</b>	Power Supply Voltage	DC 6.0V ±10%    RS232C, Keyboard Wedge	
		DC 5.0V ±5%    USB (HID/VCP)	
	Interface	RS232C, Keyboard Wedge, USB (HID/VCP)	
<b>Optical Features</b>	Light Source	10 Red LEDs    Wavelength 630 nm    RS-232C, Keyboard Wedge	
		8 Red LEDs    Wavelength 630 nm    USB (HID/VCP)	
	View Angle	Horizontal 43°    Vertical 37.5°	
<b>Supported 1D Symbologies</b>	EAN, JAN, UPC-A, UPC-E, Industrial 2of5, IATA, Interleaved 2of5, Codabar/NW-7, Code 39, Code 93, Code 128, MSI/Plessey, RSS, UK/Plessey, Telepen, S-Code, Matrix 2of5, Tri-Optic, Korean Postal Authority Code		
<b>Supported 2D Symbologies</b>	PDF417, Micro PDF417, QR Code, Micro QR, DataMatrix, Maxicode (mode 2-5), Aztec, Composite Codes		
<b>Environmental Specifications</b>	Operating Temperature	-20 - 50°C    (-4 - 122°F)	
	Storage Temperature	-25 - 70°C    (-13 - 158°F)	
	Operating Humidity	5 - 95% RH (non-condensing)	
	Storage Humidity	5 - 95% RH (non-condensing)	
	Ambient Light Immunity	Fluorescent light	10,000 lx max.
		Sunlight	100,000 lx max.
Shock Resistance	1.8 m (6 ft) dropped onto a concrete surface		
<b>Physical Specifications</b>	Weight	135 g (4.8 oz)	
<b>Packaged Items</b>	AC adapter (RS-232C, Keyboard Wedge)		
<b>Accessories (sold separately)</b>	Stand (ST-80)		

Values in this document are based on OPTOELECTRONICS test data.  
 Product information and specifications are subject to change without prior notification.

