

# Z-6012

## Hands-Free 2D Image Reader



◀ The optional 3D turning cradle



- Compact module designed for all kinds of niche applications
- Powerful image sensor yields advanced scanning performance
- Stand-alone as a hands-free scanner or as a scanning module
- Decode most popular 1D and 2D barcodes
- Optional 3D turning cradle
- Flexible communications

The Z-6012 hands-free 2D image scanner is equipped with powerful 2D scan engine that decode most popular 1D and 2D barcodes with quick and accurate performance.

Its hands-free form factor has broadened its application to where smaller counter space is available. The Z-6012 is also a scan module; there are two mounting holes that benefit in any embedded use with ease.

Find the Z-6012 to be the best supporter in your niche markets!

### OPERATIONAL

<b>Aiming Element</b>	650 nm visible laser diode (VLD)
<b>Illumination Element</b>	635 nm visible LED
<b>Optical System</b>	640x480 pixels (VGA type CCD)
<b>Field of View</b>	32.2° (horizontal); 24.5° (vertical)
<b>Sensitivity</b>	360° (omnidirectional rotational sensitivity)
<b>Resolution</b>	6.67 mil (PDF 417), 5 mil (Code 39)
<b>Print Contrast</b>	30% @ UPC/EAN 100%
<b>Indicators (LED)</b>	Two-color LED (blue & red)
<b>Beeper Operation</b>	Programmable tone & volume
<b>Image Format</b>	BMP(*.bmp), TIFF(*.tif), JPEG(*.jpg)
<b>System Interfaces</b>	Keyboard wedge, RS-232, USB, wand emulation

### PHYSICAL

<b>Dimensions</b>	(H)110.9 x (D)65.8 x (W)70.0 mm (on fixed stand); (H)122.2-253.0 x (D)120.3-163.3 x (W)74.0 mm (on 3D turning cradle)
<b>Weight</b>	200 g (on fixed stand); 350 g (on 3D turning cradle)
<b>Cable</b>	Standard 2.0M straight

### POWER

<b>Input Voltage</b>	5 VDC ±10%
<b>Power Consumption</b>	1.5 watts
<b>Operating Current</b>	200 mA typical

### REGULATORY

<b>Laser Class</b>	CDRH Class IIa; IEC 60825 Class 2
<b>EMC</b>	CE & FCC DOC compliance, VCCI, BSMI

### ENVIRONMENTAL

<b>Operating Temperature</b>	0°C – 40°C (32°F – 104°F)
<b>Storage Temperature</b>	-20°C – 60°C (-4°F – 140°F)
<b>Humidity</b>	5% – 95% RH (no dewing allowed)
<b>Light Levels</b>	Up to 4,500 Lux (fluorescence)
<b>Drop Durability</b>	Designed to withstand 1.5M drops

