Z-6012
Hands-Free 2D Image Reader

▲▲ **The optional 3D turning cradle**

▲ **60% of actual size**

- **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 easy.

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

OPERATIONAL	
Aiming Element	650 nm visible laser diode (VLD)
Illumication Element	635 nm visible LED
Optical System	640×480 pixels (VGA type CCD)
Field of View	32.2° (horizontal); 24.5° (vertical)
Sensitivity	360° (omnidirectional rotational sensitivity)
Resolution	6.67 mil (PDF 417), 5 mil (Code 39)
Print Contrast	30% @ UPC/EAN 100%
Indicators (LED)	Two-color LED (blue & red)
Beeper Operation	Programmable tone & volume
Image Format	BMP(*.bmp), TIFF(*.tif), JPEG(*.jpg)
System Interfaces	Keyboard wedge, RS-232, USB, wand emulation
PHYSICAL	
Dimensions	(H)110.9 × (D)65.8 × (W)70.0 mm (on fixed stand); (H)122.2–253.0 × (D)120.3–163.3 × (W)74.0 mm (on 3D turning cradle)
Weight	200 g (on fixed stand); 350 g (on 3D turning cradle)
Cable	Standard 2m straight
POWER	
Input Voltage	5 VDC ±10%
Power Consumption	1.5 watts
Operating Current	200 mA typical
REGULATORY	
Laser Class	CDRH Class IIa; IEC 60825 Class 2
EMC	CE & FCC DOC compliance, VCCI, BSMI
ENVIRONMENTAL	
Operating Temperature	0°C – 40°C (32°F – 104°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Humidity	5% – 95% RH (no dewing allowed)
Light Levels	Up to 4,500 Lux (fluorescence)
Drop Durability	Designed to withstand 1.5m drops

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