A-50M Plus
Omnidirectional Laser Scan Module

LASER SCAN | **Z-SCAN PLUS** | **1400** SCAN RATE | **20** SCAN LINES | **1.0M** DROP TEST

A-50M Plus Omnidirectional Scan Module is an enhanced version of A-50M with 32-bit micro processor. The new model will continue to bring unrivaled advantages for your business through its omnidirectional laser scan engine and convenient design. A-50M Plus offers superior speed and wide range scan just like its predecessor with 5 directions of scan field, 20 scan lines, and drives up to 1,400 scans per second. For minimum hassle-free integration, the new A-50M Plus offers practical small cubic design and multiple interfaces. It is a highly efficient solution for any business applications.

• 32-bit micro processor
• Superior scanning performance
• Intelligent and cubic design for easy integration
• Flexible communications
• Proprietary Z-SCAN+ technology

1. Intelligent and cubic design
2. Direction-rotatable cable & back mounting holes

OPERATIONAL

Light Source	650 nm visible laser diode (VLD)
Depth of Field	5 mil : 30 ~ 80 mm 7.5 mil : 0 ~ 150 mm
	10 mil : 0 ~ 160 mm 13 mil : 0 ~ 200 mm
	20 mil : 0 ~ 260 mm (Note : DOF may vary depending on environment condition and barcode quality.)
Scan Line	20
Scan Pattern	5 directions of scan field
Scan Rate	1,400 scans per second
Minimum Bar Width	5 mil @ PCS=90%
Print Contrast	30% @ UPC/EAN 100%
Indicator	Two-color LED (blue & red)
Beeper Operation	Programmable tone & beep time
System Interface	IBM 46xx, OEM (IBM) USB, RS-232, HID USB, USB Virtual COM

PHYSICAL

Dimension	72.0 x 64.0 x 68.0 mm
Weight	140 g (device only)
Cable	Standard 2M straight

POWER

Input Voltage	5 VDC ±10%
Power Consumption	1.5 watts
Operating Current	200 mA @ 5V (Typical)

REGULATORY

Laser Class	CDRH Class IIa; IEC 60825-1: Class1
EMC	CE & FCC DOC compliant, VCCI, BSMI, UKCA

ENVIRONMENTAL

Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	5% ~ 95% RH (non-condensing)
Light Level	Max. 4,500 Lux (fluorescence)
Drop Durability	Designed to withstand 1M drops

DECODING CAPABILITY

1D Barcode	UPC/EAN/JAN, UPC-A & UPC-E, EAN-8 & EAN-13, JAN-8 & JAN-13, ISBN/ISSN, Code 39, Codabar, Code 128 & EAN 128, Code 93, ITF 2 of 5, IATA Code, MSI, China Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, JAP, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded

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