A-51M

High-Speed Laser Scan Module



Features

- Superior scanning performance
- Single-line laser scan engine yields 500 scans per second
- Intelligent, and Industrial housing design
- Enables easy integration with reliability and durability
- Flexible communications
- Plug-in and scan with multi interfaces include keyboard, RS-232C, USB and wand

Introduction

The A-51M, an overwhelming fixed position scanner in the industrial market. is small-in-size, light-in-weight, durable-in-structure and fast-in-reading; and works perfectly inside a variety of different industrial applications. The A-51M is the single line laser scan module that offers a reading rate of over 500 scans per second and with its Z-scan, the innovative hardware decode technology, A-51M provides the real-time decoding with effective successful reading rate. A-51M simply is a space-saving and yet powerful and durable embedded barcode scanner.

Specifications

OPERATIONAL	Light Source	650nm visible laser diode
	Depth of Field	35 – 215 mm @ 100% UPC/EAN, PCS 90%
	Scan Angle	52°
	Scan Rate	500 scans per second
	Pitch / Roll / Skew Angle	65 / 30 / 65
	Minimum Bar Width	5mil @ PCS 90%, Code 39
	Print Contrast	30% @ UPC/EAN 100%
	System Interfaces	Keyboard, RS-232C, USB 1.1, Wand
PHYSICAL	Height	32.0 mm
	Depth	66.9 mm
	Width	52.9 mm
	Weight	210 g
	Cable	Standard 2m straight
POWER	Input Voltage	5 V_{DC} ±10%
	Power Consumption	1.0 Watts
	Operating Current	Max. 200mA @ 5V
REGULATORY	Laser Class	CDRH Class IIa; IEC 20825 Class 1
	EMC	CE EN55022, B, FCC part 15 Class A, 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% - 90% RH (no dewing allowed)
	Light Levels	Max. 4,500 LUX (fluoresce)

Ordering Information

Part Number	Description
9680006707	High-Speed Laser Scan Module