



ZBA Inc.

ZB-30M Compact size Fixed position CCD Scan module



The newly designed ZB-30M is a High Performance CCD scan module that comes in compact form factor. Applications for the ZB-30M compact scan module are: kiosks, medical equipments, blood analyzers, lottery ticket readers and many more.

The ZB-30M has three mounting holes on the bottom of the case to allow or easy mounting into any OEM design.

Features:

- ❖ Laser -like performance
- ❖ Wide scan width and narrow scan line
- ❖ Durable and compact in size
- ❖ Support both RS-232 serial and USB interface in one single unit.
- ❖ Full speed USB type that supports USB HID keyboard and USB com port emulation (optional)
- ❖ Wide power operation range from 3 ~ 5.5V DC
- ❖ Rugged housing
- ❖ Outstanding scanning performance up to 100 scans per second
- ❖ Test Button for quick and efficient debugging
- ❖ Visual and audible status indicators

ZBA, Inc.

94 Old Camplain Road Hillsborough, NJ 08844

Ph: 908-359-2070 Fax: 908-595-0909

Web: <http://www.zbausa.com/>



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Applications:

- ❖ Data collection computers
- ❖ Point-of-sale terminals
- ❖ Price checker
- ❖ Parking kiosks
- ❖ Lottery & Gaming Machine
- ❖ Bank ATMs
- ❖ Electronic scales
- ❖ Robotic automation
- ❖ Medical instruments
- ❖ Blood analyzers

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Specifications:

Operational	Description	Units	Comments
Light Source	617nm visible LED		narrow scanning line
Optical System	2,500 pixels CCD		
Depth of Field	40 - 235	mm	(UPC/EAN 100% PCS=90%)
Scan Angle	42°		
Scan Rate	100	scans/sec	
Minimum Bar Width	0.125 (5)	Mm (mil)	(Code 39, PCS=90%)
Print Contrast	30% or more		
Interface	Keyboard, RS-232C, HID USB, USB – Virtual COM Port Emulation		
Indicator	Audible		Tone & duration Programmable
	Visual		Programmable for Good Read, No read & power
Physical			
Height	14.1 (0.555)	mm (in.)	
Depth	37.5 (1.476)	mm(in.)	
Width	24.5 (0.964)	mm(in.)	
Weight	20 (0.70)	g (oz)	Excluding cable
Connector	10P10C module jack connector		
Mounting holes	2M		
Electrical			
Input Voltage	3 ~ 5.5	VDC	
Operating Current	80	mA	Typical
Regulatory	EMC CE EN55022B; FCC Part 15 Class B, VCCI, BSMI		

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Environmental			
Operating Temperature	0 ~ 50 (32 ~ 122)	Degrees	Centigrade (Fahrenheit)
Storage Temperature	-20 ~ 60 (-4 ~ 140)	Degrees	Centigrade (Fahrenheit)
Humidity	20% - 85%	RH	(non-condensing)
Light Levels Max.	10,000	Lux	(fluorescence)
Shock	Designed to withstand 1.5m drops		To concrete
Decoding Capability	1D Barcodes		
UPC/EAN/JAN, UPC/EAN with supplementary, JAN 8 & JAN 13, ISBN/ISSN, Japanese Bookland EAN, Code 39, Code 39 with full ASCII, trioptic Code 39, Codabar (NM7), Code 128, Code 128 with full ASCII, Code 93, Interleaved 2 of 5 (ITF), Addendum 2 of 5, IATA Code, MSI/Plessey, China Postal Code, Code 32 Optional Standard 2 of 5, Code 11, Industrial 2 of 5, Discrete 2 of 5, Matrix 2 of 5, UPC/EAN RSS, RSS variants			

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