

2D Data Matrix Barcode Scanner

TD-5208M

The newly developed TD-5208M is a high performing 2D hand-held data matrix scanner. Idea for applications such as retail, health-care, transportation, logistics, license identifications, and etc...

Designed with the CMOS technology, the scanner features high-speed scanning and long scan range, capable of reading barcodes, images, OCR fonts, and capture signatures in an instance whether in dark or bright environments. In addition, TD-5208 allows users to read wrinkled, damaged, or poorly printed barcode and OCR fonts.



Decodes all standard 1D, 2D, RSS, PDF417, microPDF, EAN/UCC Composite, Matrix, Postal Codes, and OCR fonts.

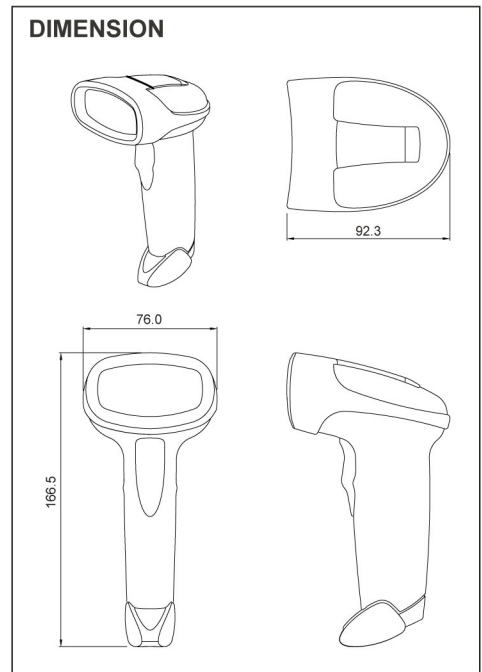
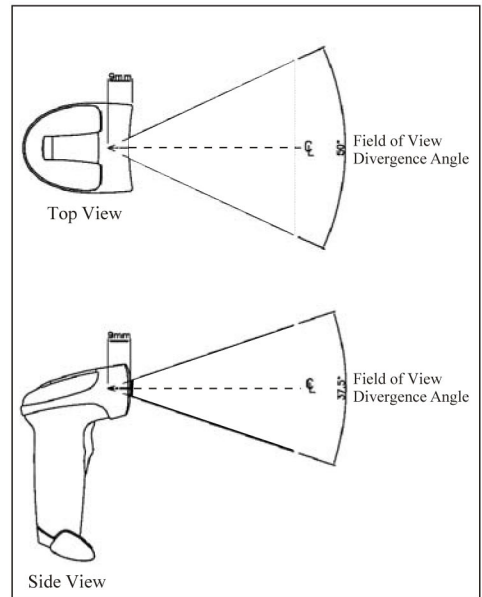
Features:

- Reads 1D & 2D Barcodes
- Suitable for all kinds of Industrial manufacturing applications
- Easy to use, Programmable, and fully functional
- Output Interface: USB(Default) or RS-232
- CMOS Image Sensor



SPECIFICATIONS

Optical	
Light Source	Illumination: 650 nm; Aiming: 615 nm
Scan Angle	50° Horizontal, 37.5° Vertical
Scan Pattern	Area
Scan Area	118.4 mm x 86.2 mm (4.7" x 3.4") at 118 mm (4.6") from the scanner window edge 236.9 mm x 172.4 mm (9.3" x 6.8") at 245 mm (9.6") from the scanner window edge
Rotation Sensitivity	360 around the optical Axis
Minimum Element Width	10 mm (4.0 mil) 1-D 191 mm (7.5 mil) 2-D, Data Matrix
Focal Point	9 cm (4.0")
Resolution	1.3 mega pixel (1280 x 960)
Print Contrast	20% minimum
Symbologies	
1-D	Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic
2-D	PDF417, Micro PDF417, QR Code, Micro QR Code, Data Matrix, Aztec Code, Maxicode, Codablock, Composite Code, POSTNET, PLANET, UPU, Intelligent Mail, Canada Post, Australia Post, Japanese Post, Royal Mail RM4SCC, KIX Code
OCR Font (optional)	OCR-A, OCR-B, E-13B MICR
Electrical Characteristics	
Operating Voltage	+5V, ±5%
Typical Operating Current	235 mA
Peak Operating Current	400 mA (USB), 400 mA (RS-232)
Idle Current	160 mA (USB), 125 mA (RS-232)
Sleep Current	65 mA (USB), 25 mA (RS-232)
Suspend Current (USB)	600 uA
Power Down Current (RS-232)	500 uA
LED Class	Class 1
Interface	USB, RS-232
Mechanical Characteristics	
Cable Length	1.8M straight cable
Case Material	ABS + polycarbonate, co-molded rubber
Weight (approx.)	133g (w/o cable)
Shock Resistance	1 meter drop onto concrete
Environment	
Ambient Light	0-100,000 lux
Operating Temperature	0° C to 40° C (32° F to 104° F)
Storage Temperature	-20° C to 70° C (-4° F to 158° F)
Relative Humidity	5% to 95%, non-condensing



Bar Code Element Width	Depth of Field* (In the Field of View)				
	Start (From Scanner Window Edge)	End (From Scanner Window Edge)	Total		
1-D	. 127 mm	5 mil	41 mm (1.6")	136 mm (5.3")	95 mm (3.7")
	. 254 mm	10 mil	21 mm (0.8")	201 mm (7.9")	180 mm (7.1")
	. 330 mm	13 mil	16 mm (0.6")	301 mm (11.8")	285 mm (11.2")
PDF	. 127 mm	5 mil	36 mm (1.4")	151 mm (5.9")	115 mm (4.5")
	. 254 mm	10 mil	16 mm (0.6")	261 mm (10.2")	245 mm (9.6")
	. 254 mm	10 mil	41 mm (1.6")	86 mm (3.3")	45 mm (1.8")
Data Matrix	. 381 mm	15 mil	26 mm (1.0")	151 mm (5.9")	125 mm (4.9")
	. 508 mm	20 mil	31 mm (1.2")	251 mm (9.8")	220 mm (8.7")

* Depth of field information is for reference only. Actual values may vary depending on testing conditions.



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