



## MT82M 2D Scan Engine

MT82M 2D Scan Engine boasts a high-quality 1-megapixel sensor and advanced algorithm decoder, delivering exceptional and snappy scanning performance in a compact size. Its all-in-one design and top-notch capabilities make MT82M 2D Scan Engine a seamless integration choice for diverse applications such as retail, transportation, manufacturing, warehouse and field mobility.

### Best-in-Class and Ultra Performance

- One-piece compact design
- Built with 1-megapixel sensor
- Outstanding performance across all distances
- Supports Multicode, GS1 UDI and Dotcode

### Easy Integration & Operation

- Compact Size : W21.6 x L16.1 x H11.9 mm
- Interface : UART / USB HID / USB VCP
- Supports real-time dynamic configuration



Optic & Performance	
Light Source	Visible red LED, white LED
Sensor	1280 x 800
Resolution	3mil/ 0.075mm (1D) , 7mil/0.175mm (2D)
Scan Angle	Horizontal 46° , Vertical 29°
Pitch / Skew / Roll Angle	±60° / ±60° / ±360°
Print Contrast Ratio	20%
Width of Field	250 mm (13Mil Code39)
Typical D.O.F (@800 lux)	UPC / EAN 13 Mil: 42 ~ 442 mm QR Code 15 Mil : 40 ~ 323 mm
Physical Characteristics	
Dimension	W21.6 x L16.1 x H11.9 mm
Weight	3.7 g
Color	Black
Material	Plastic
Connector	12 pin ZIF (pitch=0.5mm)
Cable	12 pin flex cable (pitch=0.5mm)
Electrical	
Operation Voltage	3.3 VDC ±5%
Working Current	< 400 mA
Standby Current	< 70 mA
Idle Current (Sleep Mode)	10mA±5%
Connectivity	
Interface/ Profile	UART / USB HID / USB VCP
User Environment	
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Humidity	5%~95% RH (Non-condensing)
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC	TBA
Safety Approval	TBA
Environmental	WEEE, RoHS 2.0
Symbologies	
1D	UPC-A/ UPC-E, EAN-8/ EAN-13, Code128, Code39, Code93, Code 32, Code 11, Codabar, Plessey, MSI, Interleaved 2 of 5, IATA 2 of 5, Matrix 2 of 5, Straight 2 of 5, Pharmacode , GS1 Databar, Composite CC-A/B/C
2D	PDF417, MicroPDF417, Data Matrix, QR Code, Micro QR Code, Aztec, MaxiCode, DotCode

\* All specifications are subject to change without notice.



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