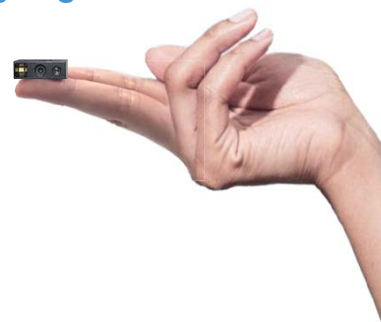




### Small & Weightlight



## MT1 2D Scan Engine

MT1 is a slim-shaped 2D scan engine, electrically and mechanically compatible with some of the most popular scan engines in the world, built with advanced algorithm offering snappy scanning performance at a competitive cost and compact form factor. With great scanning performance MT1 2D scan engine is suitable to be integrated with most of the applications such as retail, logistics and consumer electronics.

### High Performance at Best Value

- One-piece low-profile form factor
- Reads 3 mil high-density barcodes
- Long reading distance up to 350mm
- Supports GS1 UDI and Dotcode

### Easy and Flexible Operations

- Small Size : W21 x L9 x H6.7 mm
- Interface : UART / USB HID / USB VCP
- Compatible with existing global leaders
- Minimal integration time and cost



Optic & Performance	
Light Source	Visible red LED, white LED
Sensor	640 x 480
Resolution	3 mil / 0.075 mm
Scan Angle	Horizontal 43° , Vertical 33°
Pitch / Skew / Roll Angle	±55° / ±55° / ±360°
Print Contrast Ratio	10%
Width of Field	176 mm (13 Mil Code 39)
Typical D.O.F (@800 lux)	UPC / EAN 13 Mil: 45 ~ 350 mm QR Code 15 Mil : 28 ~ 246 mm
Physical Characteristics	
Dimension	W21 x L9 x H6.7 mm
Weight	1.25 g
Color	Black
Material	Plastic
Connector	13 pin ZIF (pitch=0.3mm)
Electrical	
Operation Voltage	3.3 VDC ±5%
Working Current	< 200 mA
Standby Current	< 15 mA
Idle Current (Sleep Mode)	< 2.7 mA
Connectivity	
Interface/ Profile	UART / USB HID / USB VCP
User Environment	
Operating Temperature	-20°C ~ 60°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
Symbolologies	
1D	Code 128, EAN-13, EAN8-, UPC-E, UPC-A, ISBN, ISSN, Code 11, Interleaved 2 of 5, Code 39, Code 93, Code 32, Codabar, Matrix 2 of 5, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI Plessey, GS1 Databar, Febraban, Composite
2D	QR Code, Micro QR Code, PDF417, MicroPDF417, Data Matrix, Aztec, MaxiCode, HanXin, Dotcode

\* All specifications are subject to change without notice.



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