



MT82VB 2D Scan Engine

MT82VB 2D Scan Engine is built with advanced algorithm that provides snappy scanning performance at a competitive cost and compact form factor. With its all-in-one design, MT82VB 2D scan engine can be easily integrated with specific applications such as access control, lottery kiosk and consumer electronics.

Excellent Performance from Near to Far

- One-piece compact design
- Outstanding 1D & 2D scanning performance
- Long reading distance up to 361mm
- Supports real-time dynamic configuration

Easy and Flexible Operations

- Small Size : W21.3 x L14.5 x H11.3 mm
- Interface : UART / USB HID / USB VCP



Optic & Performance	
Light Source	Visible red LED, white LED
Sensor	Area Image Sensor
Resolution	4Mil/ 0.1mm
Scan Angle	Horizontal: 38° Vertical: 29°
Pitch / Skew / Roll Angle	±55° / ±55° / ±360°
Print Contrast Ratio	30%
Width of Field	161 mm (13Mil Code39)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 52 ~ 361 mm Data Matrix 10 Mil: 46 ~ 138 mm
Physical Characteristics	
Dimension	W21.3 x L14.5 x H11.3 mm
Weight	3.1g
Color	Black
Material	Plastic
Connector	12pin ZIF connector (pitch = 0.5mm)
Electrical	
Operation Voltage	3.3V
Working Current	< 170mA
Standby Current	< 25mA
Connectivity	
Interface/ Profile	UART / USB HID / USB VCP
User Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-40°C ~ 70°C
Humidity	0%~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	RoHS 2.0, WEEE
Symbolologies	
1D	UPC-A/UPC-E, EAN-8/EAN-13, ISBN, Code 128, GS1-128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, Codabar, MSI Plessey, GS1 Databar, GS1 Composite
2D	QR Code, Micro QR Code, Data Matrix, PDF417, Aztec, MaxiCode, Han Xin

* All specifications are subject to change without notice.

