



MT84G 2D Mini Scan Engine

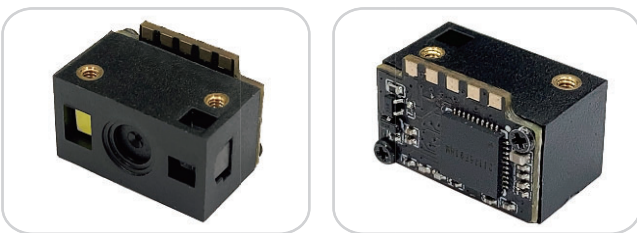
MT84G 2D Mini Scan Engine that is designed to fit into the most space-constrained applications including mobile device, wearable device and smartphone. With 3.3V low voltage power supply and power consumption of a few micro amps during sleep mode, MT84G barcode scan engine is also ideal for host device with limited battery.

Simple Integration for Limited Space

- The smallest and lightest 2D scan engine
- Reads all major 1D & 2D barcodes in the market
- Fit into the most space-constrained products
- Supports real-time dynamic configuration

Easy and Flexible Operations

- Small Size : W14 x L9.5 x H9.3 mm
- Interface : UART / USB HID / USB VCP



Optic & Performance

Light Source	Visible red LED, white LED
Sensor	640 x 480
Scan Rate	30 Frames/Sec
Resolution	5Mil/ 0.125mm (1D) ; 10Mil/ 0.25mm (2D)
Scan Angle	Horizontal: 37° Vertical: 27.5°
Pitch / Skew / Roll Angle	±80° / ±80° / ±360°
Print Contrast Ratio	25%
Width of Field	141 mm (13Mil Code39)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 50 ~ 280 mm QR Code 15 Mil: 40 ~ 200 mm

Physical Characteristics

Dimension	W14 x L9.5 x H9.3 mm
Weight	1.2g
Color	Black
Material	PC
Connector	Edge-board Contact x 10 pads

Electrical

Operation Voltage	3.15±0.15 VDC
Working Current	< 156mA
Standby Current	< 85mA
Idle Current (Sleep Mode)	< 1.5mA

Connectivity

Interface/ Profile	UART / USB HID / USB VCP
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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	FCC Part 15B Class B, CE EN55032/35
Safety Approval	IEC 62471 (Exempt Group)
Environmental	RoHS 2.0, WEEE

Symbologies

1D	UPC-A/ UPC-E0/ UPC-E1, EAN-8/ EAN-13, Code128, Code39, Code93, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, China Post 25, Code11, MSI Plessey, Plessey, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded
2D	QR Code, Micro QR Code, PDF417, MicroPDF417, Data Matrix, Aztec, MaxiCode, Han Xin, Code16K

* All specifications are subject to change without notice.



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