



MT81 Mini 2D Imager

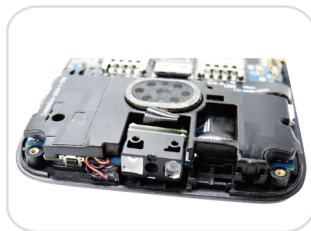
MT81 is a miniaturized 2D imager that is designed for software decoder applications to achieve lower total cost of ownership of 2D barcode scan engine without compromising overall scanning performance. MT81 can be shipped with or without software decoder based on customer's request. Due to its small size, MT81 is ideal for mobile devices with very limited space.

Ideal for Software Decoder Applications

- The smallest and lightest 2D Imager
- Outstanding 1D and 2D scanning performance
- Fits into the most space-constrained product
- Standard MIPI interface makes hardware integration easy

Easy and Flexible Operations

- Small Size : W14 x L10 x H7 mm
- Interfaces : MIPI



Optic & Performance	
Light Source	3000K CCT white LED 625nm visible red LED dot aimer
Sensor	Array Image Sensor
Scan Rate	30 Frames/Sec
Resolution	4Mil/ 0.1mm (Code 39)
Scan Angle	Horizontal 45°, Vertical 33°
Pitch / Skew / Roll Angle	±60° / ±30° / 360°
Print Contrast Ratio	30%
Width of Field	80mm (13Mil Code39)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 23 ~ 187 mm QR Code 15 Mil: 31 ~ 293 mm
Physical Characteristics	
Dimension	W14 x L10 x H7 mm
Weight	2g
Color	Black
Material	ABS
Connector	27pin ZIF (pitch=0.3mm)
Cable	27pin flex cable (pitch=0.3mm)
Electrical	
Operation Voltage	3.3±0.15VDC
Working Current	< 140mA
Standby Current	< 55mA
Connectivity	
Interface/ Profile	MIPI
User Environment	
Operating Temperature	-20°C ~ 70°C
Storage Temperature	-40°C ~ 80°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV Air discharge
EMC	FCC Part 15B Class B, CE EN55024/32
Safety Approval	EN/IEC62471 (Exempt Group)
Environmental	WEEE, RoHS 2.0
Symbologies	
1D	Code39, Interleaved 2 of 5, Codabar, Code128, Code93, UPC/EAN/JAN, GS1-128, Code11, Code32, UK Plessey Code, MSI Plessey Code, Telepen, Trioptic, Straight 2 of 5, IATA Code, Matrix 2 of 5, Hong Kong 2 of 5, NEC 2 of 5, BC412, Pharmacode.
2D	QR Code, PDF417, Micro PDF417

* Note : Symbologies and DOF are based on CODE 'EL1' Software Decoder
* All specifications are subject to change without notice.



MARSON TECHNOLOGY CO., LTD.
TEL: +886-2-2218-1633
FAX: +886-2-2218-6638
Email : info@marson.com.tw

