



## MT850 Portable Scanner

MT850 is a 2D portable scanner featuring Bluetooth® 5.0 technology, fast and reliable scanning performance, robust, ergonomic design at affordable cost. MT850 can capture all 1D and 2D barcodes from paper surface or mobile display in one-tenth of a second. MT850 2D Portable Scanner delivers high efficiency especially for users who work with iOS® and Android® mobile devices.

### High Efficiency for All Applications

- Reads all major 2D barcodes in the market.
- Works in total darkness and direct sunlight
- Waterproof and dust-resistant
- Supports on-line and off-line operation
- Supports Ez Utility configuration utility
- Megapixel sensor enables high density scanning
- Global shutter enhances great motion tolerance

### Easy and Flexible Operations

- Indicators : Buzzer, LED and Vibrator
- Interfaces : BT HID/ BT SPP/ USB HID/ USB VCP/ Memory
- Compatibility : iOS, Android, Windows



\* All specifications are subject to change without notice.

Optic & Performance	
Light Source	White LED, visible red LED
Sensor	1280 x 800
Scan Rate	120 Frames/Sec
Resolution	3Mil/ 0.075mm
Scan Angle	Horizontal 40°, Vertical 30°
Pitch / Skew / Roll Angle	±60° / ±50° / 360°
Print Contrast Ratio	20%
Width of Field	141 mm (13Mil Code39)
Memory	2MB (20,000 barcodes)
Typical D.O.F ( @800 lux)	UPC/EAN 13 Mil : 45 ~ 285 mm QR Code 15 Mil : 40 ~ 210 mm
Physical Characteristics	
Dimension	W42.5 x L102 x H21.5 mm
Weight	71g
Color	White
Material	PC
Cable	Micro(M) to USB A(M) Cable, 1.5M
Trigger	Scan Button, Function Button
Indicator	LED, Buzzer, Vibrator
Electrical	
Operation Voltage	3.7 VDC ± 5%
Working Current	< 330mA
Standby Current	< 60mA
Battery	3.7V, 1000mAh, Li-Polymer Battery
Number of Scan (per full charge)	10,000 scans (1 scan/ 5 secs, Bluetooth® connected)
Connectivity	
Radio	Bluetooth® 5.0 dual mode (Class 2)
Range	66 ft/ 20M (line of sight)
Interface/ Profile	BT HID, BT SPP, USB HID, USB VCP, Memory
User Environment	
Operating Temperature	-10 ~ 50°C
Storage Temperature	-20 ~ 60°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Sealing	IP55
Ambient Light	70,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV Air discharge
EMC/RF	TBA
Safety Approval	EN/IEC62471 (Exempt Group)
Environmental	WEEE, RoHS 2.0
Medical Compliance	ISO 22196 (JIS Z 2801), ISO 11737-1/2
Symbologies	
1D	UPC-A/ UPC-E, EAN-8/ EAN-13, Code128, GS1-128 Code 39, Code32, Code 93, Code11, Interleaved 2 of 5 Matrix 2 of 5, Industrial 2 of 5, Codabar, MSI, GS1 Databar
2D	QR Code, Micro QR Code, Data Matrix, PDF417 MicroPDF417, Aztec