



MT580W 2D Ring Scanner

MT580W 2D Ring Scanner, when paired with smartphone such as J2 Mobile Platform, provides hands-free freedom to user who needs to perform multi-tasks while always on the move. Drawing very little power from the host device, MT580W ensures that the connected mobile terminal can operate for a full shift with single charge.

Ergonomic Design for Mobile Operators

- Read all major 2D barcodes in the market.
- Supports both audio and visual feedback.
- Wearable design enabling hands-free 2D scanning.
- Ergonomic design with touch-activated scan button.

Easy and Flexible Operations

- Indicators : LED, Buzzer
- Interfaces : USB HID



* All specifications are subject to change without notice.

Optic & Performance	
Light Source	625nm visible red LED
Sensor	Array Image Sensor
Scan Rate	60 Frames/Sec
Resolution	5Mil
Scan Angle	Horizontal 44°, Vertical 33.2°
Pitch / Skew / Roll Angle	±50°/ ±60°/ 360°
Print Contrast Ratio	30%
Width of Field	131 mm (13Mil Code39)
Typical D.O.F (@800 lux)	UPC/EAN 13 Mil: 44 ~ 402mm QR Code 15 Mil: 22 ~ 171mm
Physical Characteristics	
Dimension	W27.6 x L46.2 x H26.8 mm
Weight	22g
Color	Black
Material	PC+ABS
Connector	Micro USB
Cable	1.5M (Interchangeable)
Trigger	Touch Scan Button, Function Button
Indicator	LED, Buzzer
Electrical	
Operation Voltage	5 VDC ± 5%
Working Current	< 300 mA
Standby Current	< 15 mA
Connectivity	
Interface/ Profile	USB HID
User Environment	
Operating Temperature	-10 ~ 50°C
Storage Temperature	-20 ~ 65°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Sealing	IP42
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
Symbolgies	
1D	Code 39, Full ASCII Code 39, Codabar, Interleaved 2 of 5, IATA 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Code 11, MSI, UK Plessey, EAN-8, EAN-13, UPC-A, UPC-E, Code 93, Code 128, EAN/UCC/GS1 128, GS1 Databar
2D	PDF417, DataMatrix, QR Code, Micro QR Code, Chinese Sensible Code



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