

## Handheld Scanner

# MT8220 2D Handheld Barcode Scanner

Designed to serve as an efficient and affordable barcode scanning solution, MT8220 2D handheld scanner decodes all major 2D barcodes as well as 1D barcodes. Due to its reliability and cost-effectiveness, MT8220 is the optimal choice for various applications, including retail point of sale, e-ticket, manufacturing and mobile payment.

- Read all major 2D barcodes on the market
- On-screen barcode scanning capability
- Ruggedized design and 1.5M drop resistance
- Ideal for indoor and outdoor applications



### Superior Barcode Data Capture

MT8220 scans all linear barcodes and major 2D barcodes printed on labels with either matte or glossy surface, or displayed on mobile phone or LCD screen. At an average of 1/10 seconds, MT8220 2D handheld barcode scanner delivers superior scanning in any orientation and benefits enterprise with less downtime as well as more productivity.

### Environmental Interference Immunity

Ideal for both indoors and outdoors scanning applications, MT8220 2D handheld barcode scanner possesses the immunity from ambient light interference. Designed to automatically adjust its parameters for optimal scanning performance MT8220 2D handheld scanner offers more freedom to scan barcodes from under direct sunlight to complete darkness.

### Industrial-class Protection

The housing of MT8220 has a rubber bezel in the front that prevents the scanner window from any damage or scratch. Designed to withstand the impact of everyday drops and bumps in the harshest working environments, MT8220 2D handheld barcode scanner is equipped with a industrial-class housing that endures 1.5 meters drop to concrete.

### Mobile Barcode Readability

Thanks to the enhanced optical design and latest decode algorithm, MT8220 virtually scans all 1D and 2D barcodes on any surface, either paper-based label or mobile phone display. As a result MT8220 can be the workhorse for businesses of many new applications such as eCoupon, eTicket, Digital ID cards and mobile payments.

### Easy and Flexible Operations

- Rubber Bezel
- Reliable



## Specifications

Optical & Performance	Light Source	white LED, visible red LED bar
	Sensor	640 x 480 Pixels
	Scan Rate	30 Frames/Sec
	Resolution	5mil/ 0.125mm
	Scan Angle	Horizontal 35°, Vertical 27°
	Pitch Angle	±60°
	Skew Angle	±60°
	Roll Angle	360°
	Print Contrast	20%
	Width of Field	131mm (13Mil Code39)
	Typical D.O.F* (@ 800 Lux)	Code39      5 Mil : 29 ~ 109 mm UPC/EAN    13 Mil : 37 ~ 306 mm QR Code    15 Mil : 25 ~ 186 mm PDF417     6.67 Mil : 23 ~ 106 mm Data Matrix 10 Mil : 14 ~ 108 mm
Physical Characteristics	Dimension	L165 x W68 x H75 mm
	Weight	185g
	Color	MT8220u: Blue MT8220y: Yellow MT8220w: White
	Material	ABS
	Connector	USB Type A
	Cable	1.8M (Interchangeable Cable)
	Trigger	Scan Button
	Indicator	LED, Buzzer
Power	Operation Voltage	5.0 VDC
	Working Current	< 160mA
	Standby Current	< 55mA
Connectivity	Interface/ Profile	USB HID, USB VCP, PS/2(Optional)
User Environment	Operating Temperature	-20 ~ 60°C
	Storage Temperature	-30 ~ 70°C
	Humidity	5% ~ 95%RH (Non-condensing)
	Drop Durability	1.5 M
	Sealing	IP42
	Ambient Light	100,000 lux (Sunlight)
Decode Capability	1D Symbologies	UPC-A/UPC-E, EAN-8/EAN-13, Codabar, Matrix 2 of 5, Code 93, Code 128, Code 39, Interleaved 2 of 5
	2D Symbologies	QR Code, Micro QR Code, Data Matrix, PDF417, Aztec
Regulatory	ESD	Functional after 4KV contact, 8 KV air discharge
	EMC	TBA
	Safety Approval	TBA
	Environmental	TBA

\* All Specifications are subject to change without notice.



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