



DPM (Direct Part Marking) barcode



## MT8227 Rugged DPM Handheld Scanner

The MT8227 Rugged DPM Handheld Scanner ensures swift capture of DPM (direct part marking) and virtually any 1D or 2D printed barcode. Designed to thrive in challenging environments, this scanner is virtually damage-proof, featuring an impressive 2M drop resistance to concrete and industrial-class IP65 sealing. This enhances the efficiency of employees on the manufacturing site who must scan numerous DPM barcodes for quality and traceability control, making it an invaluable tool.

### Reliable DPM Scanning Solution

- Direct and diffuse illumination (white, blue, red LEDs)
- Red dot Laser aiming pattern
- IP65 protection & 2M drop resistance
- Visual, haptic and audible feedback

### Easy and Flexible Operations

- Interchangeable cable
- USB HID / USB VCP / RS232 interface
- User-friendly software tool



Optic & Performance	
Light Source	Aimer, 650nm Laser Dot Direct Illumination: White LED Diffuse Illumination : Red LED, Blue LED
Sensor	1280 x 800
Resolution	3mil (1D), 5mil (2D))
Scan Angle	Horizontal 46° Vertical 29°
Pitch / Skew / Roll Angle	±55° / ±55° / ±360°
Print Contrast Ratio	30%
Typical D.O.F (@800 lux)	13 Mil UPC/ EAN: 35 ~ 200mm
Physical Characteristics	
Dimension	W181 x D136 x H77 mm
Weight	356 g
Color	Black
Material	ABS
Connector	USB Type A
Cable	2M Interchangeable Cable
Trigger	Scan Button
Indicator	LED, Buzzer, Vibrator
Electrical	
Operation Voltage	5.0 VDC ± 5%
Working Current	< 430mA
Standby Current	< 65mA
Connectivity	
Interface/ Profile	USB HID, USB VCP, RS232
User Environment	
Operating Temperature	0 ~ 50°C
Storage Temperature	-40 ~ 70°C
Humidity	5% ~ 95% RH (Non-condensing)
Drop Durability	2.0M
Sealing	IP65
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV air discharge
EMC/RF	TBA
Safety Approval	IEC60825-1 (Class 1)
Environmental	RoHS 2.0
Symbologies	
1D	UPC-A/ UPC-E, EAN-8/ EAN-13, Code 128, Code 39 Code 93, Codabar, Plessey, MSI, Interleaved 2 of 5
2D	QR Code, Micro QR Code, Data Matrix

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