

HANDHELD SCANNER

VER. 20260506

Z-3502 NEW

2D Image Handheld Scanner



The Z-3502 Industrial 2D Image Handheld Scanner offers advanced barcode reading technology tailored for Direct Part Marking (DPM) codes. Designed for harsh factory environments, it ensures dependable performance across various applications.

DPM codes, etched or marked directly on surfaces, are essential for their durability and reliability in industries such as manufacturing, healthcare, and logistics. Despite their advantages, these codes can be challenging to read due to their diverse surfaces and low contrast. The Z-3502 addresses these issues, efficiently decoding even the most difficult-to-read DPM codes. The included feature reassures you that it can streamline inventory management in warehouses, ensure precise tracking of medical instruments in healthcare, aid in component identification in manufacturing, and enhance package sorting in express delivery.

Equipped with advanced imaging systems and versatile lighting, the Z-3502 achieves high decoding accuracy on a wide variety of surfaces, ensuring reliable performance across diverse applications. Its capability makes it a robust choice for light-industrial applications, offering exceptional value in precise barcode scanning solutions.

- IP54 Rating: Dust-tight and water-jet protected
- Durability: Withstands multiple 2.0-meter drops to concrete
- Advanced Imaging Systems: High decoding accuracy for DPM
- Flexible Lighting: Optimal readability on various surfaces

1. Rugged exterior
2. Supports DPM barcode reading



OPERATIONAL

Illumination Element	White / Red / Blue
Optical System	1280 x 1080
Scan Angle	28°H x 22° V
Depth of Field	EAN 13 (13mil) : 50 – 250 mm Code 39 (3mil) : 40 – 100 mm Code 39 (5mil) : 40 – 150 mm (Note : DOF may vary depending on environment condition and barcode quality.)
Min. Bar Width	1D : ≥3 mil ; 2D : ≥5 mil
Print Contrast	≥20% (UPC/EAN 100% , PCS 90%)
Indicator	Beeper 、 LEDs 、 Vibration
Programmable Operation	Beeper tone
System Interface	RS232 、 USB (HID ; CDC)

PHYSICAL

Dimension	181 (W) x 102 (D) x 77 (H) (mm)
Weight	256g

POWER

Input Voltage	5V DC
Operating Current	260 mA (Typical)

REGULATORY

EMC	CE, FCC, VCCI, BSMI, UKCA
Safety	IEC 62471

ENVIRONMENTAL

Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Humidity	5% ~ 95% (Non-Condensing)
Light Level	0 ~ 100,000 Lux (Sunlight)
Drop Durability	2.0 m
Environmental Sealing	IP54

DECODING CAPABILITY

1D Barcode	UPC A, UPC E, EAN 8, EAN 13, Code 128, Code 39, Code 93, Codabar, Plessey, MSI, Interleaved 2 of 5
2D Barcode	Data Matrix, QR, Micro QR, PDF417, MicroPDF417



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