# Barcode Zapper 2D™

## Unbeatable Scanning Performance



**The iconic Barcode Zapper is now available as a 2D scanner.** Having the same ergonomic form factor as the previous model but with the latest 2D imager, it can read most 1D barcodes as well as 2D codes such as QR Codes.

Powered by the latest imaging platform, the Zapper 2D rapidly scans barcodes shown on smart phone screens, paper labels, membership cards, books and many problematic barcodes including distorted, soiled and damaged barcodes.

**Sharp green aimer for rapid targeting of barcodes**

The Zapper 2D provides a clear green aiming spot. The "green round spot" LED beam provides high visibility, helping users to aim the barcode faster and with greater accuracy.



**Value Beyond Measure**

The Zapper 2D is a revolutionary barcode scanner that boasts a series of unique features that bring true value. Its innovative technologies are designed to enhance the scanning experience by increasing intelligence, versatility, and performance. With practical solutions that are unique to the Zapper 2D, this barcode scanner is the ultimate tool for modern-day enterprise challenges and reduces TCO, allowing workers to be more productive.

- Perfectly suited to retail and general purpose applications
- Reads most 1D barcodes and 2D Codes including QR Code
- Superior first-time read
- Reads 1D and 2D codes on smart phone screens
- Sleek and lightweight design
- Withstands drops from 1.6m onto concrete
- Sharp green aimer for easy focusing of barcodes
- Multi interface
- Plug-in-and-play – no drivers required
- Backed by three year factory warranty[2]

## SPECIFICATIONS

### PERFORMANCE CHARACTERISTICS

| | |
|---|---|
| Image Sensor | 640 x 480 Pixels |
| Print Contrast | 20% minimum reflectance difference |
| Light Source | Aiming Pattern: circular 625nm green LED Illumination: 523nm red LED |
| Imager Field of View | 36° H x 27° V |
| Minimum Resolution | 3 mil Code 39, 5 mil DataMatrix |
| Reading Range | 13 mil UPC/EAN up to 13.9" |
| Roll, Pitch, Skew | Roll: 360˚; Pitch: ± 70˚; Skew: ± 50˚ |
| Host Interfaces | USB HID (USB Keyboard) USB VCOM (USB COM port emulation) Standard RS232 |

### PHYSICAL CHARACTERISTICS

| | |
|---|---|
| Dimensions | 165.0 mm (L) x 64.7 mm (W) x 38.7 mm (D) 6.50 in. (L) x 2.55 in. (W) x 1.52 in. (D) |
| Weight | 106g (cable excluded) |
| Colour | Classic Black, Ivory White |
| Operating Voltage | 5VDC ± 10% |
| Operating Current | Operating : Typical 285mA @ 5VDC Standby : Typical 185mA @ 5VDC |

### SUPPORTED SYMBOLOGIES

| | |
|---|---|
| 1D Linear Codes | Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey |
| 2D Codes | PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR |
| Postal Codes | Australian Post, US Planet, US Postnet, Japan Post Posi LAPA State Code |

### USER ENVIROMENT

| | |
|---|---|
| Drop Specifications | Withstand multiple 1.6m/5.2ft. drops to concrete |
| Environmental Sealing | IP 41 |
| Operating Temperature | -10˚C to 50˚C (14˚F to 122˚F) |
| Storage Temperature | -40˚C to 70˚C (-40˚F to 158˚F) |
| Humidity | 5% to 95% relative humidity, non-condensing |
| Ambient Light Immunity | 0 ~ 100,000 lux |
| ESD Protection | Functional after 15KV discharge |

### SAFETY & REGULATIONS

| | |
|---|---|
| EMC | CE, FCC, BSMI, KC, RCM, VCCI |
| Safety[1] | LED Eye Safety IEC62471, Exempt Group |
| Environmental | Compliant with RoHS directive |

### ACCESSORIES

| | |
|---|---|
| Cables | RS232 Serial Cable, USB Cable, USB Power Supply Cable |
| Others | 5VDC Power Supply Unit |

1. Don't stare into the LED beam.
2. Cable not included.



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