

ZED 2603

2D Corded Barcode Scanner



3 mil

Minimum barcode resolution — sharp reads even on damaged or low-quality codes



IP42

Ingress protection rating for everyday retail environments



USB

Flexible USB-HID, USB-VCP or RS-232 connectivity for almost any till or terminal setup

The Nexa ZED 2603 is a corded 2D handheld scanner built for fast, reliable reads at the counter. Its sleek, rugged design stays comfortable through a full shift, and the included hands-free stand lets it double as a presentation scanner whenever you need both hands free.

A CMOS imaging engine reads a full range of 1D and 2D codes — including damaged or low-quality barcodes down to 3 mil — at up to 60 frames per second, so scans register instantly with no fumbling or re-scans.

Connectivity is simple: the ZED 2603 connects over USB-HID, USB-VCP or RS-232, dropping straight into almost any existing till or terminal setup.

Whether it's ringing up groceries, checking out library loans or filling prescriptions, the ZED 2603 is built to keep up.

Specifications

Performance	
CPU	32-bit ARM
Light Source	White LED (lighting), red LED (aiming)
Scan Mode	Manual, automatic & continuous
Image Sensor	CMOS
Resolution	640 × 480 pixels
Scan Speed	60 FPS
Scan Precision	≥ 3 mil (Code 128, 6 digits)
Depth of Field	60–300 mm (13 mil Code 39)
Print Contrast	≥ 15%
Interface	USB-HID, USB-VCP, RS-232
Physical	
Scanner Size	177 × 85 × 68 mm
Stand Size	145 × 68 × 169 mm
Scanner Weight	140 g
Stand Weight	20 g
Case Material	ABS + PC
Electrical	
Input Voltage	DC 5V ±5%
Working Current	207 mA
Standby Current	118 mA
Environmental	
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 60°C
Humidity	5%–95% (non-condensing)
IP Rating	IP42
Ambient Light Resistance	0–100,000 lux (sunlight)
Decoding Capability	
1D Symbolologies	Codabar, Code 11, Code 39, Code 32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code 93, Code 128, GS1-128, UPC-A, UPC-E, EAN-8, EAN-13, ISBN, ISSN, GS1 DataBar (RSS-14), GS1 DataBar Limited, GS1 DataBar Expanded, MSI, Standard 2 of 5, Plessey
2D Symbolologies	PDF417, Micro PDF417, QR Code, Data Matrix, Aztec Code, Hanxin Code, MaxiCode