



2D BARCODE DECODER ENGINE SERIES

MODEL DX330



DELMONIX DX330 DATASHEET



DELMONIX

www.delmonix.com

DELMONIX DX330

Handheld Wired Barcode Scanner — Datasheet

PRODUCT OVERVIEW

The DELMONIX DX330 Handheld Scanner is a high-performance wired barcode scanner engineered for versatile application environments. Equipped with a high-speed scanning engine and advanced decoding chip, it delivers fast, accurate, and reliable performance. Its plug-and-play design ensures seamless integration without complex setup, while multi-language support enhances usability across regions. The wired connection provides stable communication and long-term durability.

PRODUCT VIEWS



KEY FEATURES

Designed to deliver efficiency, versatility, and reliability, the device integrates advanced technologies to meet the demands of modern data capture environments.

▪ **Extensive Barcode Compatibility:**

The scanner supports a comprehensive range of 1D and 2D barcode symbologies, ensuring seamless integration across multiple industries and applications. This wide compatibility allows users to decode everything from standard retail barcodes to complex 2D codes with ease.

▪ **Powerful Decoding Core:**

At the heart of the device lies an advanced decoding engine driven by a high-performance processing chip. This enables fast, accurate, and consistent barcode recognition, even when scanning damaged, low-contrast, or high-density codes, significantly improving operational efficiency.

▪ **Plug-and-Play Operation:**

Engineered for simplicity, the scanner features true plug-and-play functionality, eliminating the need for driver installation or complex setup. Users can quickly deploy the device across systems, reducing setup time and enhancing productivity from the start.

▪ **Robust Protection Performance:**

Built with durability in mind, the scanner offers enhanced resistance to drops, shocks, and everyday wear and tear. Its rugged construction ensures reliable performance in demanding environments such as warehouses, retail counters, and industrial settings.

▪ **Extended Scanning Depth:**

The device provides an expanded scanning range, allowing barcodes to be read from varying distances with high accuracy. This flexibility improves user convenience and supports a wide range of operational scenarios, from close-up scanning to extended reach applications.

GENERAL INFORMATION

Parameter	Specification
Model	DX330
Type	Handheld Wired Barcode Scanner
Connection Mode	Wired
User Interface	Plug-and-play, multi-language support

APPLICATIONS

Parameter	Specification
Retail	POS billing, inventory management
Warehousing	Logistics tracking, stock control
Office Use	Document and asset tracking

GENERAL DATA

General Information

Parameter	Specification
Light Source	Green LED aiming light, white LED illumination
Scanning Principle	Imaging CMOS
Resolution	640 × 480
Trigger Mode	Manual scan / continuous scan / auto-sensing scan
Error Rate	1 / 5,000,000
Contrast	≥ 20%

Optical & Scanning Performance

Parameter	Specification
Scanning Angle	Rotation 360°, elevation ±65°, deflection ±65°
Field of View	≥ 5 mil
Ambient Light	0 – 100,000 LUX

Typical Decode Range

Barcode	Distance
EAN-13 (13 mil)	55 – 300 mm
Code 39 (5 mil)	60 – 180 mm
QR Code (15 mil)	75 – 190 mm
Code 128 (5 mil)	50 – 160 mm

Supported Barcode Symbolologies

Parameter	Specification
1D Codes	Codabar, Code 39, Code 128, etc.
2D Codes	PDF417, QR Code, etc.

Interface

Parameter	Specification
Communication Interface	USB-HID, USB-COM, RS232

Electrical Specifications

Parameter	Specification
Operating Voltage	DC 5V $\pm$ 5%
Operating Current	300 mA

Physical Specifications

Parameter	Specification
Dimensions	174 × 66 × 82 mm
Weight	130 g
Material	ABS + PC
Cable Length	1.5 m

Environmental Specifications

Parameter	Specification
Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C
Operating Humidity	5% – 95% (non-condensing)
Drop Resistance	Withstands 1.5-meter free fall

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