

Datasheet: DELMONIX DX430 – Wired Barcode Scanner

DELMONIX DX430 – Product Overview

Scan Smarter, Move Faster – DELMONIX DX430

The **DELMONIX DX430** is a high-performance 1D and 2D barcode scanner designed to streamline your business operations. Utilizing advanced imaging technology, it delivers fast and accurate decoding of both 1D and 2D barcodes, whether printed on labels or displayed on mobile screens.

With its efficient scanning capabilities, the DX430 keeps checkout lines moving smoothly, enhances the customer shopping experience, and simplifies inventory management. Compact, durable, and easy to use, it is ideal for small businesses seeking reliable and versatile barcode scanning solutions.

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Technical Features of DELMONIX DX430

- **Universal Plug and Play**

The DX430 integrates effortlessly with existing POS systems and other devices without requiring additional software or drivers. Simply connect, and it's ready to scan—reducing setup time and simplifying deployment for your business.

- **Impact-Resistant Housing**

Built with durable ABS + PC materials, the DX430 is designed to withstand accidental drops and the rigors of everyday use. Its robust construction ensures long-lasting performance in high-traffic retail or warehouse environments.

- **Multiple Color LED Indicators**

Equipped with side and top LED indicators, the DX430 provides clear visual feedback during scanning. Different colors indicate power status, scanning activity, and successful decoding, making operations intuitive and error-free.

- **High-Performance 2D Engine & Decoder**

Powered by an advanced 2D imaging engine, the DX430 can quickly and accurately decode a wide range of 1D and 2D barcode symbologies. This ensures reliable scanning performance across all standard barcode formats used in retail, logistics, and inventory management.

- **Powerful Decoding Capability**

Whether scanning barcodes printed on labels or displayed on mobile screens, the DX430 maintains precision in challenging conditions. It can handle damaged, poorly printed, or small-sized codes, providing consistent performance and improving overall workflow efficiency.

Applications

The **DELMONIX DX430** is perfect for businesses across multiple sectors:

- **Retail & Supermarkets** – Fast checkout, product scanning, and POS integration.
- **Convenience Stores** – Quick scanning for high customer turnover.

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- **Warehouse & Inventory Management** – Track stock efficiently with 1D and 2D codes.
- **Library & Bookstore** – Manage books, barcoded materials, and checkouts.

Datasheet:

General Information	
Parameter	Specification
Light Source	617nm LED Aimer, White LED
Scan Distance	5–390 mm
Print Contrast Signal	>30% (UPC/EAN 100%)
LED Indication	White
Sound	Adjustable buzzer
Optical & Scanning Performance	
Scan Angle	Yaw 65°, Rotation 60°, Pitch 360°
Scan Speed	>25 inch / 63 cm per second
Minimum Resolution	SR; Code39 4.8 mil, UPC 60% 5 mil, PDF417 5 mil, DataMatrix 7.5 mil
Typical Decode Range	
Barcode	Distance
Scan Distance	5–390 mm
Supported Barcode Symbologies	
1D Barcodes Supported	Code128, Code39, Code93, EAN13, EAN8, UPC_E(E0, E1), ISBN13, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, RSS14 (GS1 Databar), Codabar, Code 11, Standard 2 of 5.
2D Barcodes Supported	QR Code (Mode1, Mode2), MicroQR, Data Matrix, PDF417, MicroPDF417, Aztec, Maxicode, Grid Matrix Code
Interface	
Interface	USB-HID, USB-COM, RS232
Physical Specifications	
Dimensions	176 × 100 × 72 mm
Weight	354 g (data line not included)
Wire Length	2.0 m
Power Supply Parameters	

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Input Voltage	5 VDC $\pm$ 1%
Working Current	85 mA (operating)
Environmental Specifications	
Operating Temperature	-20°C to +50°C
Operating Humidity	5%–95% (non-condensing)
Storage Temperature	-40°C to +70°C
Ambient Brightness	3000–8000 Lux (fluorescence), 3000–8000 Lux (sunlight)