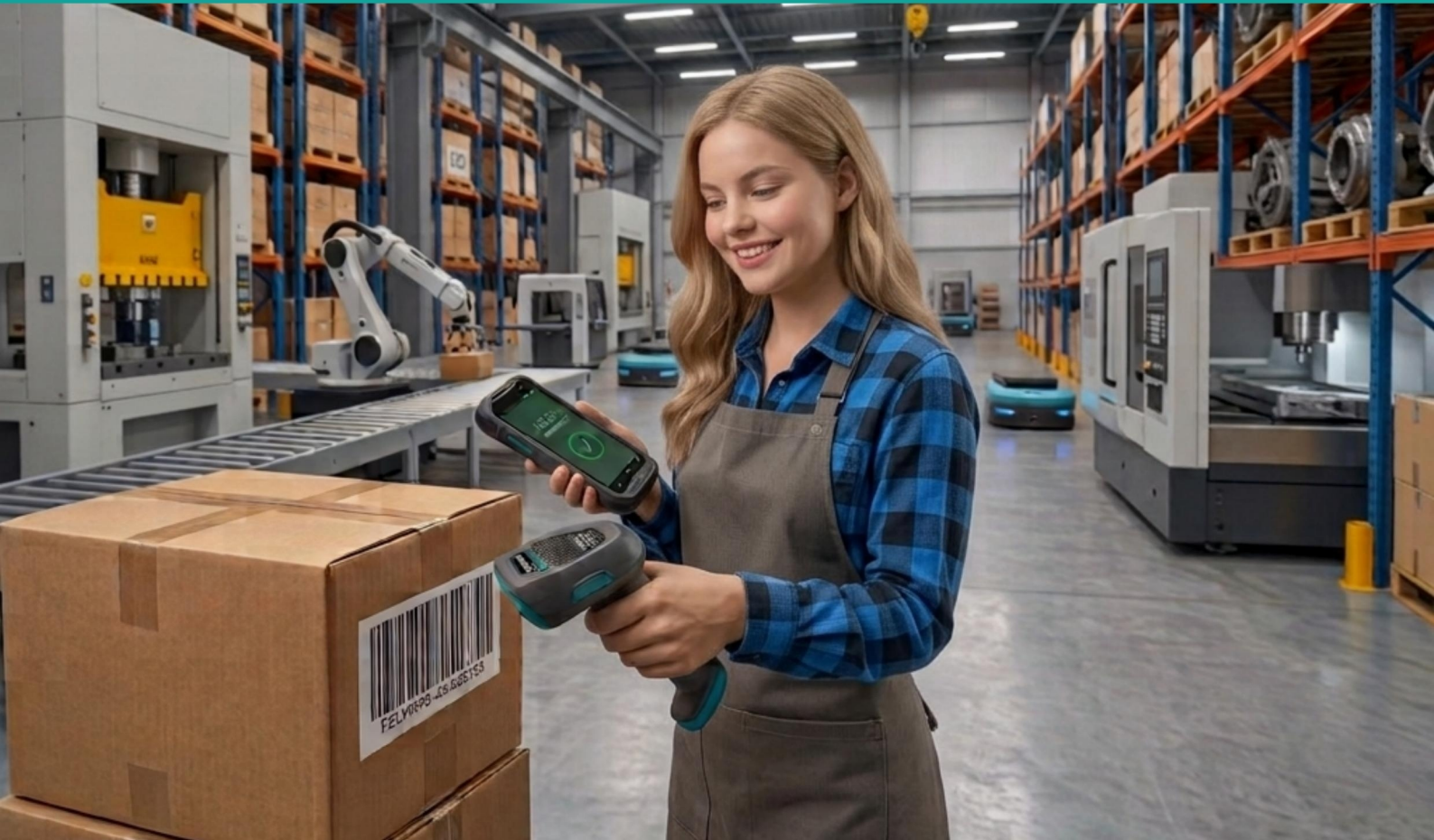




BLUETOOTH BARCODE DECODER ENGINE SERIES

# MODEL DX330BT



## DELMONIX DX330BT DATASHEET



**DELMONIX**

[www.delmonix.com](http://www.delmonix.com)

# DELMONIX DX330BT

Power, Precision, and Performance in Every Scan

## PRODUCT OVERVIEW

The DELMONIX DX330BT is a high-performance wireless barcode scanner designed for speed, durability, and flexibility. Powered by a 1G ultra-high main frequency chip, it ensures fast and accurate decoding of both 1D and 2D barcodes.

With advanced features like offline storage & inventory mode, long-distance wireless transmission, and robust build quality, the DX330BT is suitable for demanding operational environments. Its ability to support extended scanning sessions and withstand drops makes it a reliable, multifunctional device for everyday business use.

## PRODUCT VIEWS



## KEY FEATURES

- **Advanced Performance:**  
Engineered with modern technology to deliver reliable performance and operational efficiency across various applications.
- **Long Wireless Range:**  
Supports wireless transmission up to 100 meters in open environments, enabling smooth operation across large workspaces like warehouses and retail floors.

- **High-Speed Decoding:**

Equipped with an advanced decoding engine for fast and accurate scanning of 1D and 2D barcodes, even in low-quality or damaged conditions.

- **Rugged Construction:**

Built with a durable design that can withstand drops of up to 1.5 meters, making it suitable for demanding environments.

- **Offline Storage Mode:**

Allows data storage when out of range and automatically uploads it once reconnected, ensuring uninterrupted workflow.

- **Extended Battery Life:**

Provides up to 7 hours of continuous use or approximately 25,000 scans per charge.

- **High Reliability:**

Designed for long-term use with a trigger life exceeding 10 million operations.

## APPLICATIONS

The DELMONIX DX330BT is ideal for a wide range of industries and use cases, including:

| Parameter                 | Specification                            |
|---------------------------|------------------------------------------|
| Retail Stores             | Fast billing and inventory tracking      |
| Warehousing & Logistics   | Stock management and shipment processing |
| Manufacturing             | Production line scanning and tracking    |
| E-commerce & Distribution | Order fulfillment and package handling   |

## DATASHEET

### General Information

| Parameter             | Specification                        |
|-----------------------|--------------------------------------|
| Model                 | DELMONIX DX330BT                     |
| Processor             | 1G Ultra High Main Frequency Chip    |
| Trigger Life          | > 10 million times                   |
| Transmission Distance | Up to 100 meters (open space)        |
| Battery Performance   | Up to 7 hours continuous use         |
| Scan Capacity         | Approx. 25,000 scans per charge      |
| Modes                 | Offline Storage Mode, Inventory Mode |
| Barcode Support       | 1D and 2D Barcodes                   |

## Optical & Scanning Performance

| Parameter          | Specification                               |
|--------------------|---------------------------------------------|
| Image Sensor       | 640 × 480 CMOS                              |
| Light Source       | White LED illumination + Green aiming light |
| Scan Speed         | Up to ~4 m/s                                |
| Error Rate         | ≤ 1 / 5,000,000                             |
| Scan Angle         | Pitch ±65°, Yaw ±65°, Rotation ±360°        |
| Minimum Resolution | ≥ 5 mil                                     |
| Contrast           | ≥ 20%                                       |

## Typical Decode Range

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

## Supported Barcode Symbolologies

| Parameter | Specification                                                                                                  |
|-----------|----------------------------------------------------------------------------------------------------------------|
| 1D Codes  | Code39, Code128, Code93, Codabar, EAN-8 / EAN-13, UPC-A / UPC-E, Interleaved 2 of 5, MSI, GS1-128, GS1 DataBar |
| 2D Codes  | QR Code, Data Matrix, PDF417, Micro PDF417, Aztec, MaxiCode, HanXin                                            |

## Wireless & Interface

| Parameter             | Specification                |
|-----------------------|------------------------------|
| Wireless Technology   | Bluetooth (HID / BLE)        |
| Transmission Distance | Up to 80–100 m (open area)   |
| Wired Interface       | USB-HID / USB-COM            |
| Supported OS          | Windows, Android, iOS, Linux |

## Battery & Power

| Parameter        | Specification                   |
|------------------|---------------------------------|
| Battery Type     | Rechargeable Li-ion             |
| Battery Capacity | 2200 mAh (industrial version)   |
| Working Time     | ~7–12 hours continuous scanning |
| Scan Capacity    | Approx. 25,000 scans per charge |
| Charging Method  | USB / Charging cradle           |

### Physical Specifications

| Parameter        | Specification               |
|------------------|-----------------------------|
| Dimensions       | 174 × 82 × 66 mm            |
| Weight           | ~170 g                      |
| Housing Material | ABS + PC industrial plastic |
| Drop Resistance  | 1.5 m drop                  |
| Trigger Life     | > 10 million presses        |

### Environmental Specifications

| Parameter             | Specification            |
|-----------------------|--------------------------|
| Operating Temperature | -20°C to 50°C            |
| Storage Temperature   | -40°C to 70°C            |
| Humidity              | 5 – 95% (non-condensing) |
| Ambient Light         | 0 – 100,000 Lux          |