



OMNIDIRECTIONAL PRESENTATION SCANNER

MODEL DX930



DELMONIX DX930 DATASHEET



DELMONIX

www.delmonix.com

DELMONIX DX930

Hands-Free Speed, Precision in Every Scan

PRODUCT OVERVIEW

The DELMONIX DX930 Omnidirectional Presentation Scanner is a high-end, hands-free 2D imaging scanner designed for fast and reliable barcode recognition in demanding environments. Powered by an advanced CMOS image sensor and intelligent decoding algorithm, it can accurately read a wide variety of barcodes, including damaged or poorly printed codes.

Its omnidirectional scanning capability enhances efficiency by enabling seamless hands-free operation. Equipped with dual-mode feedback indicators, including visual and buzzer alerts, the DX930 ensures smooth and user-friendly interaction with POS systems and other equipment. This scanner is ideal for high-throughput environments requiring speed, precision, and reliability.

PRODUCT VIEWS



KEY FEATURES

Built with advanced imaging technology and intelligent decoding capabilities, the device ensures high efficiency, accuracy, and reliability across a wide range of scanning applications.

- **High-Performance Reading Capability:**
The scanner delivers high-speed and precise barcode reading, enabling quick data capture and improved operational efficiency in fast-paced environments.
- **Advanced CMOS Decoding Technology:**
Utilizing a sophisticated CMOS image-based decoding algorithm, the device ensures accurate interpretation of barcodes, even under challenging conditions such as poor lighting or low print quality.

▪ **Reliable and Consistent Operation:**

Engineered for dependable performance, the scanner provides stable and consistent results across various applications, minimizing errors and ensuring smooth workflow continuity.

▪ **Enhanced Barcode Recognition:**

The device is capable of reading both standard and damaged or defective barcodes, reducing the need for manual intervention and improving productivity in real-world scenarios.

▪ **Superior Motion Tolerance:**

With excellent motion tolerance, the scanner can accurately capture barcodes in motion, making it ideal for dynamic environments such as retail checkout counters and conveyor systems.

▪ **Omnidirectional Hands-Free Scanning:**

Featuring omnidirectional scanning capability, the device allows barcodes to be read from any angle. Its hands-free operation enhances user convenience and speeds up repetitive scanning tasks.

▪ **Dual-Mode User Feedback:**

Equipped with LED indicators and an adjustable buzzer, the scanner provides clear visual and audible feedback, ensuring users are instantly notified of successful scans.

GENERAL INFORMATION

Parameter	Specification
Model	DX930
Product Type	Hands-free 2D Barcode Scanner
Scan Technology	CMOS image-based scanning
Operation Mode	Automatic (hands-free)
Compatibility	Works with POS systems and other equipment
Use Case	High-volume scanning environments

APPLICATIONS

Parameter	Specification
Retail	POS checkout counters and billing systems
Supermarkets	High-speed hands-free scanning

DATASHEET

General Information

Parameter	Specification
Product Type	2D Imaging Barcode Scanning Platform
Scan Capability	Intelligent identification of standard and damaged barcodes

Parameter	Specification
Scan Mode	Automatic induction mode
Image Sensor	1280 × 1024 pixels
Motion Tolerance	Up to 4 m/s
Voltage	DC 5V ± 5%

Optical & Scanning Performance

Parameter	Specification
Scanning Angle	Elevation ±65°, Declination ±65°, Rotation ±360°
Recognition Capability	Commodity and damaged barcode recognition

Typical Decode Range

Barcode	Distance
EAN-13 (13 mil, PCS=90%)	20 mm – 310 mm

Supported Barcode Symbolologies

Parameter	Specification
1D Codes	Codabar, Code 39, Code 32, Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 (Industrial), Matrix 2 of 5, Code 11, Code 128, ISBT-128, GS1-128, UPC-A, UPC-E0, UPC-E1, EAN/JAN-13, EAN/JAN-8, ISBN, MSI, GS1 DataBar (Omnidirectional, Limited, Expanded)
2D Codes	PDF417, QR Code, Data Matrix, Aztec Code, MaxiCode, Micro PDF417, GS1 Composite Codes

Interface

Parameter	Specification
Communication Interface	USB (driver-free), USB-COM, RS232

Physical Specifications

Parameter	Specification
Dimensions	150 × 97 × 148 mm
Weight	540 g
Material	ABS + PC

Environmental & Durability (Basic)

Parameter	Specification
Storage Temperature	-30°C to 70°C
Shock Resistance	Withstands 1.5 m drop