



WIRED.
HIGH-SPEED.

The DELMONIX DX740 is a high-performance 2D wired barcode scanner featuring a 1.2G ultra-high frequency chip and global exposure scanning module for fast, accurate reads — even on wrinkled or damaged barcodes. With scanning speeds up to 120FPS, a scanning depth of field up to 400mm, and robust anti-drop construction, the DX740 delivers reliable performance for demanding retail and business environments. Plug and play with no drivers required, it works instantly across Windows, Android, Linux, and iOS.



1D 2D BARCODE
SCANNING



FLEXIBLE
BUTTONS



PLUG AND
PLAY



1.5M DROP
RESISTANCE

KEY FEATURES



Aesthetically designed — flat-color mold with smooth, ergonomic outlines and strong visual impact.



Excellent anti-drop performance — internal shock-resistant buffer and dual-color soft/hard rubber housing, survives multiple 1.5-meter drops.



Trigger life exceeding 10 million presses, with a unique silicone-protected trigger design.



Plug and Play — no drivers required, compatible with Windows, Android, Linux, and iOS.



Supports multiple interfaces — USB-HID, USB-COM, RS232, with SDK and secondary development support.



Excellent decoding performance — 1.2G ultra-high frequency chip and global exposure scanning module read wrinkled or damaged barcodes at up to 120FPS, with motion tolerance up to 2 m/s.



Ultra-long scanning depth of field — up to 400mm via a high-performance CMOS sensor and professional 2D lens.



Adjustable loud speaker — dual-sound cavity design for clear audio feedback in noisy environments.

APPLICATIONS



Warehousing
Reads damaged, worn barcodes at 400mm depth of field; 1.5m drop resistant.



Manufacturing
Component identification, work-in-progress tracking and production traceability.



Retail
Plug-and-play POS billing and inventory checks; reads paper and screen barcodes.

PRODUCT VIEWS



Depth of Field
Up to 400 mm



Scan Speed
Up to 120 FPS



Plug and Play
USB-HID, USB-COM, RS232



Drop Resistance
1.5 m Free Fall

GENERAL INFORMATION

Model	DX740
Product Type	2D Wired Barcode Scanner
Connection Mode	Wired (USB)

OPTICAL & SCANNING PERFORMANCE

Light Source Type	White light illumination LED, green light aiming
Scanning Principle	Imaging CMOS
Resolution	1280 × 1024
Trigger Mode	Manual scan / continuous scan / auto-sensing scan
Scan Angle	Rotation 360°, elevation ±65°, deflection ±65°
Field of View	Horizontal 44°, Vertical 33°
Scan Speed	Up to 120 FPS
Motion Tolerance	Up to 2 m/s
Scanning Depth of Field	Up to 400 mm
Bit Error Rate	1 / 5 million
Contrast	≥20%

SUPPORTED BARCODE SYMBOLOGIES

1D Codes	Codabar, Code 39, Code 32 Pharmaceutical (PARAF), Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Matrix 2 of 5, Code 11, Code 128, GS1-128, UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, MSI, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, China Post (Hong Kong 2 of 5), Korea Post
2D Codes	Codeblock A, Codeblock F, PDF417, Micro PDF417, Aztec, GS1 Composite Codes, QR Code, Data Matrix, MaxiCode, HANXIN

TYPICAL DECODE RANGE

Barcode	Distance
EAN13 (13 mil)	55–400 mm
Code39 (5 mil)	50–230 mm
QR Code (15 mil)	75–270 mm
Code128 (5 mil)	65–220 mm

INTERFACE

Communication Interface	USB-HID, USB-COM, RS232
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ELECTRICAL PARAMETERS

Voltage	DC 5V ± 5%
Working Current	230 mA
Standby Current	150 mA

PHYSICAL SPECIFICATIONS

Scanner Size	181 × 68 × 85 mm
Material	ABS + PC
Cable Length	1.5 meters

ENVIRONMENTAL SPECIFICATIONS

Working Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C
Working Humidity	5%–95% (no condensation)
Ambient Light	0–100,000 Lux
Drop Resistance	Withstands 1.5m free fall