

The EL78 2D handheld image scanner

Introducing the EL78 2D handheld image scanner — a versatile and user-friendly scanner that is perfect for various retail segments. Equipped with advanced imaging technology, this scanner is designed to provide excellent results when capturing linear 1D, 2D, and GS1 Databar™ labels. Its ergonomic design ensures universal use, making it easy to handle and operate. Additionally, the EL78 2D handheld scanner is affordable without compromising on performance or functionality.

Easy to use in retail

The EL78 2D handheld scanner with image technology can be used in various retail segments, such as department stores, petrol stations, drugstores, pharmacies, and other retail outlets. The 2D handheld provides excellent results when capturing linear 1D, 2D, and GS1 Databar™ labels. The EL78 2D handheld is an affordable product without compromising on performance or functionality. Simply aim and trigger to get consistently high-quality scans. In addition, the EL78 is easy to implement and manage, supporting retailers in their day-to-day operations.

Immediately ready to use and powerful

The advantages of the imaging technology of the EL78 2D handheld scanner are clearly demonstrated in the detection of linear 1D, 2D and GS1 Databar labels. Difficult-to-read labels, such as non-standard or poorly printed barcodes, are captured with high performance. A retailer's need for intuitive capture of 1D, 2D, and GS1 Databar linear barcode labels is met without specific orientation of the barcode label on item packaging or a display surface. Standard settings for most scanning applications are optimized, so you can use the hand scanner EL78 immediately out of the box and no configuration is required. Barcode recognition of display surfaces provides additional application options for the user of the EL78 and enables fast and smooth scanning processes throughout the store.

Ergonomic Design and Reliability

The lightweight, ergonomic design of the EL78 DS2208 is very robust and offers benefits that users need for several hours of intensive scanning in the store. Key optical components of the 2D handheld scanner are also protected against dust and liquids to IP52, and the recessed scan window eliminates scratches and dirt that could compromise scanning performance. Increased product reliability and the image technology used in the EL78 are further criteria for a long product life, which ensures low operating costs.

Powered Directly from the POS With Different Connection Options

The EL78 is powered directly via the powered interface of the Diebold Nixdorf POS system. Investment protection is provided by the 2D image hand-held scanner with multi-interface (USB, RS232), which only requires a simple exchange of the interface cable. Future changes in the retailer's system environment can be easily accommodated, as there is Plug & Play compatibility with Diebold Nixdorf middleware products of current and future Diebold Nixdorf POS systems.



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2D hand-held scanner EL78 At a Glance:

- Suitable for universal use in department stores and other retail outlets
- Recognition of linear 1D, 2D and GS1 DataBar barcodes
- Barcode recognition of smartphones, displays and mobile devices
- Lightweight, ergonomic design
- Excellent multi-code scanning performance for hard-to-read and poorly printed barcode labels
- Omnidirectional scanning
- Multi-interface support
- Acoustically read confirmation
- Low power consumption
- Powered directly from interface of DN Series® BEETLE system
- Plug&Play Compatibility Diebold Nixdorf ProBase Store middleware products

Technical Specifications

SYSTEM INFORMATION

- 2D-Handheld, multi-interface
- DS2208 Image Scanner SR black
- DS2208 Image Scanner SR white

Additional interface cable alternatives

- Straight RS232 with 12V POT 2.00m / 78.74 inch
- Straight RS232 5V POT 2.00m / 78.74 inch
- Coiled RS232 5V POT 2.70m / 106.29 inch
- Straight USB Type A 2.00m / 78.74 inch
- Coiled USB Type A 2.70m / 106.29 inch
- Straight poweredUSB connector 2.00m / 78.74 inch
- Coiled poweredUSB connector 2.70m / 106.29 inch
- Coiled poweredUSB connector 4.50m / 177.16 inch

Stand/Holder (optional)

- Flexible stand black
- Flexible universal stand black

Interfaces

- RS232
- USB

POWER SUPPLY

- Via powered interface of DN Series® BEETLE system
- RS232 [EL-MOT-RS1/EL-MOT-RC1/EL-4905-2]
- USB [EL-MOT-US1/EL-MOT-UC1/EL-MOT-UC2/EL-MOT-UC3]
- 250 mA

ENVIRONMENTAL CONDITIONS

- Operating temperature: 0 to +50 degrees °C
- Storage temperature: -40 to +70 degrees °C
- Relative humidity: -5 to 95% rel. (without condensation)
- Drop specification: Withstands multiple drops on concrete 1.50m
- Environmental Sealing: IP52

READING CHARACTERISTICS

- Resolution 4 mils
- Image sensor: Resolution (640 x 480)
- Image field of view: 32,8° x 24,8° (H x V)
- Light source:
 - Aiming pattern: 624nm LED
 - Lighting: LED's 645nm
- Ambient Light:
 - 0 – 107.600 Lux / 10.000 foot candle(fc)
- Read angle:
 - Roll: 0 - 360°, Grade ±65°, Angle: ±65°

BARCODE TYPES

Linear 1-D barcodes

- UPC A / UPC E
- EAN 8 / EAN 13
- GS1 Databar Codes
- GS1 Databar Stacked
- GS1 Databar Expanded Stacked
- GS1 Databar Stacked Omnidirectional
- Interleaved 2 of 5
- Discrete 2 of 5
- Code 128 / GS1- 128
- Code 39
- Code 93
- Code 32
- Codabar

2D-Barcodes

- PDF417
- MicroPDF417
- Datamatrix
- QR Code
- MicroQR
- Aztec Code

APPROVALS

- CE
- VCCI / Japan
- BSMI / Taiwan
- UL USA
- CSA Canada
- China ROHS
- EU ROHS

Dimensions



Height: 165 mm (6.5 in)

Width: 66 mm (2.6 in)

Depth: 99 mm (3.9 inches)

Weight: 162 gr

The look, dimensions, capabilities or other characteristics of this hand held scanner are subject to continual improvement and change.



To learn more, visit DieboldNixdorf.com.