2D multi-code handheld scanner with image technology and new ergonomic design

The EL80 2D multi-code hand-held scanner with imaging technology is characterized by its new ergonomic design for universal use in different segments. This user-friendly 2D hand-held scanner is also available in a version with a permanent stand and can be used both as a hand-held and as a presentation scanner. Advanced 2D imaging technology also enhances reading performance on color barcode labels and classifies this 2D hand-held scanner as a product of outstanding performance.

Imaging Technology At The POS

The used imaging technology provides superior performance in terms of the omnidirectional detection and decoding of linear, 2D and GS1 Databar™. Especially with hard-to-read labels, such as low-contrast or damaged barcodes are decoded in high performance both in different modes. The used technology of the EL80 supports the intuitive and fast, omnidirectional detection of barcodes without special orientation of the barcode label itself by the user. Retailer's need for speed and accuracy in decoding linear, 2D, and GS1 Databar™ barcode labels is also enhanced by the increased motion tolerance in barcode capture, not only from traditional media such as paper or item packaging, but also from smartphone and display surfaces. This 2D hand-held scanner EL80 opens up new application possibilities using electronic labels.

Illumination At It's Best

The white illumination of the EL80 is gentle to the eyes and does without flickering light known from other competitor hand-held scanners on the market. The highly visible four-point aimer defines the reading zone and avoids unexpected scanning. In addition, the ease of use of the EL80 is complemented by the visual green spot reading feedback on the barcode, thus enhancing the EL80's convenience.

Powered From The POS With Several Connection Options

EL80 2D hand-held scanner is powered directly from the powered-supplied interface on Diebold Nixdorf POS system. The 2D multi-code hand-held scanner is available as a multi-interface model (USB, RS232) to adapt optimally to current and future connection conditions of POS systems. Investment protection is provided by the multiple interface, which enables a simple change of the interface cable when changing system environment and the Plug & Play compatibility to Diebold Nixdorf middleware products.

DieboldNixdorf.com

Highlights

2D hand-held scanner EL80 at a glance:

- Suitable for universal use at department stores and other retail establishments
- Recognition of linear 1D-, 2D-, and GS1 DataBar™ barcodes
- Optics with enhanced motion tolerance
- Barcode recognition on smartphones, displays and mobile devices
- Excellent multi-code scanning of hard-to-read and poorly printed barcode labels
- Omnidirectional scanning in both hand held and presentation modes
- Additional visual read confirmation directly on the barcode
- Highly visible four-point aimer with center cross for targeted
- Multi-interface support
- Powered directly from interface of Diebold Nixdorf POS system family
- Plug&Play Compatibility Diebold Nixdorf middleware products

Service Options

Tailored services enable efficient deployment of solutions and the highest possible system availability and security based on the Diebold Nixdorf AllConnect Services℠ Platform:

- Global Deployment and Implementation Services: installation and integration into existing environments
- Maintenance Services: fast Recovery and Security Services
- Managed Services: Store Lifecycle Management, Transformational Outsourcing and Consulting Services

Technical Specification

INTERFACES
- RS232
- USB

SYSTEM VERSIONS

2D hand held scanner, multi-interface
- GD4590 Image Scanner SR black
- GD4590 Image Scanner SR white
- GD4590 Image Scanner SR with permanent base black
- GD4590 Image Scanner SR with permanent base white

Additional interface cable alternatives
- Straight RS232 POT 3.00 m
- Straight USB Typ A black 2.00 m
- Straight USB Typ A white 2.00 m
- Straight PoweredUSB black 2.00 m
- Straight PoweredUSB white 2.00 m
- Coiled USB Typ A black 2.40 m
- Coiled RS232 POT 3.00 m
- Coiled RS232 POT 3.60 m

Holder (optional)
- Holder grey
- Holder black
- Desk/wall mount white
- Desk/wall mount black
- Basis stand white
- Basis stand black

POWER SUPPLY
- RS232 / USB via powered Interface COM* /USB
- Power consumption: 300 mA (Operating)/90 mA (Standby/Idle)

ENVIRONMENTAL CONDITIONS
- Operating temperature: 0 to +50 ° C
- Storage temperature: -40 to +70 ° C
- Humidity: 0 bis 95% rel. (without condensation)
- Protection class: IP52

READING CHARACTERISTICS
- Resolution: 4 mils
- Motion tolerance: up to 88.9 cm/sec, 35 IPS
- Image capture:
  – Graphic format: BMP, JPEG, TIFF
  – Greyscale: 256
- Light source:
  – Aiming: 650 nm VLD
  – Illumination: white LED's
- Ambient light: 0 - 100.000 Lux / 9290 foot candle
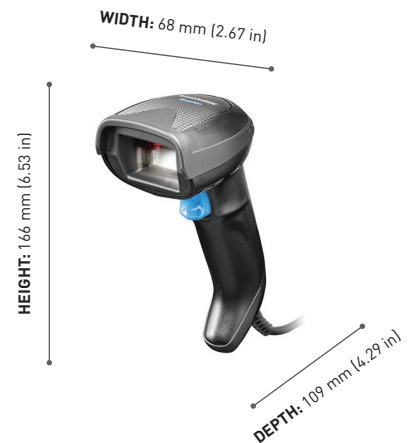- Reading angle: Roll (Tilt): 0 - 360°, Pitch: ±65°, Skew(Yaw): ±65°

BARCODE TYPES
- Linear1D-Barcodes: UPC A/UPC E, EAN 8/EAN 13,GS1 Databar™ Codes, GS1 Databar Stacked, GS1 Databar Expanded Stacked, GS1 Databar Stacked Omnidirectional, Interleaved 2of5, Standard 2of5, Code128/GS1-128, Code 39, Code 93, Code 32, Codabar
- 2D-Barcodes: PDF417, MicroPDF417, Datamatrix, MaxiCode, QR Code, MicroQR, Aztec Code

APPROVALS
- CE, KCC/Korea, VCCI/Japan, BSMI/Taiwan, C-Tick/Australia, CCC/China, NOM NYCE/Mexico, EAC Zollunion Russland/Belarus/Kasachstan, UL USA, CSA Canada, CRS India, China ROHS, EU ROHS

Dimensions

WIDTH: 68 mm (2.67 in)
HEIGHT: 166 mm (6.53 in)
DEPTH: 109 mm (4.29 in)

Height: 166 mm (6.53 inches)
Width: 68 mm (2.67 inches)
Depth: 109mm (4.29 inches)
Weight: 161 gram (5.67 ounces)

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.**