

2D Multi-Plane Full-Image Bioptic Scanner

The High-Performance 2D Full-Image Bioptic Scanner EL75 is designed for use in a broad range of settings, including food retail, self-service and wholesale trade.

The EL75 offers a multitude of functions and sets new standards for scanning performance and simplicity of operation. Using the EL 75 fosters rapid throughput and optimizes not only your cashiers' productivity but also your customers' shopping experiences. Equipped with Digimarc® watermarking technology, the EL 75 features an intelligent illumination system that is activated only when an item is in the scan area of the bioptic scanner, which significantly reduces power consumption.

Imaging Technology

Our leading imaging technology provides superior omnidirectional detection performance and decoding of linear 1D, 2D and GS1 Databar™ and Digimarc®-labels. The intelligent illumination system is activated only when an item is in the scan area, which significantly reduces power consumption compared to the bioptic scanner currently available in the marketplace. The illumination system is ergonomically integrated into the EL75 for glare-free, eye-friendly use. Scanning performance is also enhanced by a large scan window, which results in increased scan volume and integrated Digimarc® watermarking technology.

Built-in Features

The built-in USB port is used for software management and maintenance support. The software-based scanner functions can be easily modified even after the initial installation. In addition, optional integrated deactivation antennas for horizontal and vertical scan windows for connecting Electronic Article Surveillance (EAS) Checkpoint® security are available.

Customer-side Scanner CSS

This 2D customer scanner is installed in the housing of the EL75, and depending on the checkout installation ergonomics, it can be installed on either the right or left side. Reading barcode labels from smartphones, the 2D customer scanner (CSS) is done by the customer in parallel to the traditional sales process. The dimensions of the EL75 are identical to modern counter-cutting, ensuring that integration into existing checkout installations is seamless and painless.

Powered by BEETLE

The EL75 is powered by the Diebold Nixdorf BEETLE POS system. The power consumption of the EL75 is significantly reduced compared to bioptic scanners currently available in the marketplace. Investment protection is provided by the multiple interfaces of the 2D bioptic scanner EL75, which enables a simple exchange of the interface cable when changing the system environment.



Diebold Nixdorf EL75 Bioptic Scanner

HIGH-PERFORMANCE 2D SCANNER AT A GLANCE

- Suitable for use in self-service, food retail store and wholesale
- Recognition of linear 1D, 2D and GS1 DataBar™ and
- Digimarc® bar codes
- Omnidirectional bar code recognition from smartphone
- Intelligent illumination system, controlled by item detection
- Functional design
- Optional integration of a checkout scale
- Excellent scanning performance
- USB port for service and software administration
- Optional 2D Customer Side Scanner (CSS)
- Easy integration into existing checkout installation
- Multiple interface
- Low power consumption
- Supported by the powered interface on the BEETLE system
- "Plug & Play" compatibility with Diebold Nixdorf ProBase POS

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, Consulting Services

Technical Data

SYSTEM VERSIONS

High-Performance 2D Full-Image Bioptic Scanner, multi-interface

- MP7000 sapphire, short length (EL-7501)
- MP7000 sapphire, medium length, scale adaptive prepared (EL-7502L)

Additional interface cable alternatives

- Straight RS232 for usage with external power adapter 5.0 m (EL-MOT-RS2)
- Straight PoweredUSB 12V 5.0 m (EL-MOT-US3)

Power brick / alternative power line cord

- External power brick 12V (EL-MOT-PS-MP7)
- Power line cord EU/ UK/ CH/ USA (KB-3037/ KB-3039/KB-3038/KB-3030)

Optional Customer Side Scanner (CSS)

- Integrated 2D Scanner for bar code recognition from smartphones (EL-75-CSS)

Optional accessories

- Levelling screws (4pcs.) for higher adjustment in check stand (EL-75-LEV1)
- Checkpoint® EAS antenna vertical (EL-75-EAS-V)
- Checkpoint® EAS antenna horizontal (EL-75-EAS-H)
- Checkpoint® EAS interlock cable (EL-68-EAS)

INTERFACES

- RS232
- USB

POWER SUPPLY

RS232

- Via power brick and country specific power line cord (EL-MOT-PS-MP7 + KB-303x)

USB

- Via PoweredUSB 12V interface cable (EL-MOT-US3)
- Power consumption
 - 5.5W (operating)
 - 3.0W (sleep)

ENVIRONMENTAL CONDITIONS

Operating temperature

- 0 to +40 °C (32 to 104 °F)

Storage temperature

- -40 to +70 °C (40 to 158 °F)

Relative humidity

- 20 to 95% rel. (without condensation)

READING CHARACTERISTICS

Image Recognition

- Multiple CMOS Array Imager

Illumination

- Intelligent Illumination, controlled by item detection system

Ambient light

- Indoors: <4,842 Lux / 450 foot candle
- Outdoors: <86,060 Lux / 8,000 foot candle

Sides Read/Scan Zone

- All six sides in all planes

BAR CODE TYPES

Linear 1D bar codes:

- 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
- Codabar

2D-Barcodes:

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

Digimarc®

- Digimarc® watermark technology

APPROVALS

- CE
- UL (US & Canada)
- KCC / Korea
- BSMI / Taiwan
- VCCI / Japan
- NOM NYCE / Mexico
- RCM / Australia
- EAC Russia/Belarus/Kazakhstan
- China ROHS
- EU ROHS

DIMENSIONS (H X W X D)

- 230 x 292 x 351 mm (short)
(9.06 x 11.5 x 13.82 inches)
- 230 x 292 x 399 mm (medium)
(9.06 x 11.5 x 15.71 inches)

DIMENSIONS WHEN INSTALLED

- Above checkout desk: 128 mm (5.04 inches)
- Below check stand: 102 mm (4.02 inches)

WEIGHT

- 5.5 kg (short)
- 5.7 kg (medium)



To learn more, visit [DieboldNixdorf.com](https://www.DieboldNixdorf.com).