DIEBOLD NIXDORF EL70 BIOPTIC SCANNER

HIGH-PERFORMANCE 2D MULTIPLANE BIOPTIC SCANNER WITH FULL IMAGING TECHNOLOGY

The high-performance 2D multiplane image bioptic EL70 scanner is a powerful solution for the food industry, wholesale trade, and self-service retail segments, as well as other high-volume retail trades. The EL70 provides superior performance through omnidirectional detection and decoding of linear, 2D and GS1 DataBar™ labels.

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A POWERFUL SCANNER

The EL70's powerful imaging technology is particularly useful for hard-to-read labels, including low-contrast and damaged bar codes. Additionally, the scanner's lighting technology makes it fully compatible with emerging industry trends, such as bar codes, coupons and IDs scanned from smartphones and other mobile devices.

DESIGNED FOR EASY INTEGRATION

Despite its powerful imaging technology, the EL70's dimensions are similar to many bioptic scanners currently on the market, making it easy to integrate into your existing systems. The EL70 features a large scanning window, which offers a scan area that meets your retail needs. The scanner also features a built-in USB port and a MicroSD card reader for software

administration, and includes the option for a handheld scanner, Checkpoint EAS deactivation antennas and a checkout scale, the latter of which can be equipped with Diebold Nixdorf's ScaleSentry™ technology to reduce inventory discrepancies.

CUSTOMER SERVICE SCANNER

The EL70 also offers the option for a 2D customer service scanner, easily installed at the back of the EL70 or independently of its housing. With the CSS, bar code labels can be read from customers' smartphones in parallel with the traditional checkout process.

DIGIMARC® RECOGNITION

Digimarc® Recognition is available for the EL70 Magellan™ 9400i, which is equipped with three processors and prepared for

future feature enhancements and options. Based on an established, digital watermark technology, Digimarc® Recognition simplifies product identification by more easily detecting bar codes on product packages.

POWERING THE EL70

The EL70 can be either connected as USB device with 12V (POT) power from the BEETLE or as an RS232 device with external power supply operated. The multiple interface of the high-performance 2D multiplane image bioptic scanner EL70 enables simple exchange of the interface cable when the system is changed and so protects investments.

THE HIGH-PERFORMANCE 2D MULTIPLANE IMAGE BIOPTIC SCANNER EL70 OVERVIEW:

- Recognition of linear 1D, 2D and GS1 DataBar™ bar codes
- Omnidirectional bar code recognition from smartphone
- Functional design
- Optional integration of a checkout scale
- Excellent multicode scan performance with high throughput
- USB port and MicroSD card reader for service and software administration
- Image-capture mode
- Optional 2D Customer Service Scanner (CSS)
- Easy integration into existing checkout installation
- Optional ScaleSentry™ technology
- Optional Digimarc® watermark recognition
- Multiple interface
- Low power consumption
- Supported by the powered interface on the BEETLE system
- Plug-and-play compatibility with Diebold Nixdorf ProBase UPOS

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

WHY DIEBOLD NIXDORF?

With an installed base of more than 1 million ePOS systems worldwide, Diebold Nixdorf provides leading technologies for automating checkout processes and engaging consumers. Our local presence in more than 130 countries positions us to better understand the market needs of today and anticipate those of tomorrow. We leverage our expertise in seamless omnichannel retailing, store transformation and global delivery excellence, to help retailers achieve their business objectives. We enable a convenient, seamless checkout and shopping experience for consumers who desire consistency across all channels—from store to mobile and beyond.

TECHNICAL DATA

SYSTEM VERSIONS	**High-performance 2D multiplane image bioptic scanner, multi-interface** • Magellan 9400i sapphire glass, medium length, with Checkpoint EAS, scale prepared, without ScaleSentry™ (EL-70121) • Magellan 9400i sapphire glass, medium length, with Checkpoint EAS, scale prepared, with ScaleSentry™ (EL-70321) **Additional interface cable alternatives** • Straight RS232 for usage with external power adapter 4.50 m (177.17 inches) (EL-DLS-RS45) • Straight powered USB 12V 4.50 m (177.17 inches) (EL-DLS-US45) **Power brick / alternative power line cord** • External power brick 12V (EL-556970-POW) • Power line cord EU, black (KB-3037) • Power line cord UK, black (KB-3039) • Power line cord CH, black (KB-3038) • Power line cord U.S., black (KB-3030) **Optional 2D Customer Service Scanner (CSS)** • 2D scanner for bar code recognition smartphone OmniMount (EL-6970-MCSS) **Optional accessories** • EAS interlock cable for Magellan 9300i/9400i (EL-6970-EAS)
INTERFACES	• RS232 • USB
POWER SUPPLY	• RS232 – Via power brick 12V and country-specific power line cord (EL-556970-POW + KB-303x) • USB – Via PoweredUSB 12V interface cable (EL-DLS-US45) • Power consumption –100 - 240V AC / 50 - 60 Hz –12 Watt (operating) –11 Watt (sleep)
ENVIRONMENTAL CONDITIONS	• Operating temperature: -10 to +40 °C (-14 to 104 °F) • Storage temperature: -40 to +70 °C (-40 to 158 °F) • Relative humidity: – 5 to 95% rel. (without condensation)

READING CHARACTERISTICS	• Illumination –Several LEDs • Ambient light: – Indoors: <4,844 Lux/450 footcandle – Outdoors: <86,114 Lux/8,000 footcandle • Image recognition – Graphic format: BMP, JPG • Sides read/scan zone: – All six sides (five sides plus Customer Service Scanner (CSS))
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 • Standard 2 of 5 • Code 128 / GS1-128 • Code 39 • Code 93 • Codabar **2D bar codes** • PDF417 • MicroPDF417 • Datamatrix • QR Code • Micro QR Code • Aztec Code
APPROVALS	• CE • UL (US & Canada) • KCC / Korea • VCCI / Japan • China ROHS • EU ROHS
DIMENSIONS (H X W X D)	• 232 x 292 x 399 mm (9.13 x 11.45 x 15.71 inches)
DIMENSIONS WHEN INSTALLED	• Above checkout desk: 130 mm (5.12 inches) • Below checkout stand: 102 mm (4.02 inches)
WEIGHT	• 6.1 kg (13.45 lbs)

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