ON-COUNTER PRESENTATION OMNIDIRECTIONAL BAR CODE READER

The Magellan™ 1100i omnidirectional presentation scanner is a high performing and versatile data collection tool for a variety of applications. It uses Datalogic ADC's latest digital imaging technology to provide intuitive and fast reading performance on 1D and 2D bar codes as well as supporting advanced features like image capture and EAS tag deactivation. A revolutionary External Read Indicator (ERI) allows the Magellan 1100i reader to integrate with other third party RFID or EAS systems for a truly "future-proof" solution.

Datalogic's Illumix™ intelligent illumination technology in the Magellan 1100i reader optimizes light levels to automatically capture images and read codes from mobile phones, PDAs, or computer display screens. Illumix technology also provides incredible motion tolerance, far beyond most other 2D scanning solutions, enabling both sweep and presentation scanning techniques.

The Magellan 1100i reader's compact size makes it the ideal solution for space-constrained environments. With a precise reading area, it is perfect for hands-free or handheld scanning and helps reduce accidental misreads of items caused by stray laser scan lines - improving productivity and customer satisfaction.

Datalogic ADC's patented Green Spot good-read indicator improves user feedback by projecting a visual green spot onto bar codes just read. The additional visual feedback makes it easy to use in noisy retail applications and in healthcare or library applications that benefit from silent reading. The Green Spot can also be used to target a single code from a group of codes or to position a single code inside the reading area.

A comprehensive multi-interface set and a powerful label-editing feature allows easy integration into existing or new host systems. Magellan Value Added Features such as Diagnostics Reporting, Host Download, plus optional Productivity Index Reporting™ allow management to use data from the scanner to improve throughput and manage maintenance. In addition, each scanner supports Remote Management Systems to streamline operations and ongoing support across an enterprise.

FEATURES

- Aggressive performance on 1D and optional 2D codes increases productivity
- Digital imaging technology eliminates moving parts for improved reliability
- Illumix™ intelligent illumination technology auto-detects bar codes from mobile phones, laptops or PDAs
- Compact, ergonomic design is ideal for hands-free or handheld operation
- Green Spot good-read indicator provides additional user feedback on button equipped models
- Precise imaging scan volume eliminates misreads caused by stray laser scan lines
- Button model for image capture or targeting applications like Price Look Up (PLU) lists
- Checkpoint® Systems EAS and Interlock compatible
- WMI Compliant; Integrates with IBM Director through RMA

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D CODES	Aztec Code, Data Matrix, MaxiCode, QR Code
STACKED CODES	GS1 DataBar Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; Micro PDF417, PDF417

ELECTRICAL

CURRENT	Operating (Typical): < 400 mA Standby/Idle (Typical): < 300 mA
INPUT VOLTAGE	4.5 - 14.0 VDC

ENVIRONMENTAL

AMBIENT LIGHT	Indoor: 0 to 6,000 lux; Outdoor: 0 to 86,100 lux
DROP RESISTANCE	Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete surface
ESD PROTECTION (AIR DISCHARGE)	25 kV
HUMIDITY (NON-CONDENSING)	5 - 95%
PARTICULATE AND WATER SEALING	IP52
TEMPERATURE	Operating: 0 to 40 °C / 32 to 104 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

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OPTIONAL FEATURES

EAS FEATURES	Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IX and Evolve D11 models Sensormatic: Good Read Acknowledgement
VALUE ADDED FEATURES	Diagnostic Reporting; Host Download; Productivity Index Reporting™ (PIR)

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Black; Grey; Other colors and custom logo options are available for minimum quantity purchase.
DIMENSIONS	Riser Stand: 5.9 x 7.6 x 9.7 cm / 2.3 x 3.0 x 3.8 in Scanner: 8.4 x 7.1 x 9.4 cm / 3.3 x 2.8 x 3.7 in
WEIGHT	Riser Stand: 187.1 g / 6.6 oz Scanner: 198.5 g / 7.0 oz

READING PERFORMANCE

IMAGE CAPTURE	Optional: 752 x 480 pixels; Graphic Formats: JPEG
PRINT CONTRAST RATIO (MINIMUM)	25%
READ RATE (MAXIMUM)	1,768 digital scan lines/sec.
READING ANGLE	Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75°
READING INDICATORS	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
RESOLUTION (MAXIMUM)	0.130 mm / 5 mils
SCAN LINES	Digital: 136

READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. **1D / Linear Codes** 5 mils: 1.3 to 4.6 cm / 0.5 to 1.8 in 7.5 mils: 0.63 to 5.71 cm / 0.25 to 2.25 in 10 mils: 0 to 12.7 cm / 0 to 5.0 in 13 mils UPC: 0 to 17.7 cm / 0 to 7.0 in 20 mils: 0 to 17.7 cm / 0 to 7.0 in **Optional Codes** 6.6 mils PDF: 3.8 to 7.6 cm / 1.5 to 3.0 in 10 mils Data Matrix: 0 to 4.5 cm / 0 to 1.8 in 10 mils PDF: 3.1 to 15.2 cm / 1.2 to 6.0 in 15 mils PDF: 2.5 to 15.2 cm / 1.0 to 6.0 in 24 mils Data Matrix: 0 to 12.7 cm / 0 to 5.0 in

SAFETY & REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications.
ENVIRONMENTAL COMPLIANCE	Complies to EU RoHS
LED CLASSIFICATION	IEC 60825 Class 1 LED

UTILITIES

OPOS / JAVAPOS	JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge.
REMOTE HOST DOWNLOAD	Lowers service costs and improves operations.

WARRANTY

WARRANTY	2-Year Factory Warranty

ACCESSORIES

Mounts/Stands
- 11-0143 Flexible Gooseneck Stand, Black, 22.8 cm / 9.0 in
- 11-0160 Flexible Gooseneck Stand, Grey, 22.8 cm / 9.0 in

Mounts/Stands
- 11-0114 Riser Stand with Tilt Adjustment and Fixed Mounting Holes, Black, 6.0 cm / 2.4 in
- 11-0115 Riser Stand with Tilt Adjustment and Fixed Mounting Holes, Grey, 6.0 cm / 2.4 in
- 11-0116 Fixed Mounting Plate, Black
- 11-0117 Fixed Mounting Plate, Grey