



## 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 Scanning'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 Scanning'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

[www.scanning.datalogic.com](http://www.scanning.datalogic.com)



## Specifications

### DECODING CAPABILITY

#### 1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes

#### 2D CODES STACKED CODES

Aztec Code, Data Matrix, MaxiCode, QR Code  
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  
4.5 - 14.0 VDC

#### INPUT VOLTAGE

### ENVIRONMENTAL

#### AMBIENT LIGHT DROP RESISTANCE ESD PROTECTION (AIR DISCHARGE) HUMIDITY (NON-CONDENSING) PARTICULATE AND WATER SEALING TEMPERATURE

Indoor: 0 to 6,000 lux; Outdoor: 0 to 86,100 lux  
Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete surface  
25 kV  
5 - 95%  
IP52  
Operating: 0 to 40 °C / 32 to 104 °F  
Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

IBM 46xx; Keyboard Wedge; OEM (IBM) USB; RS-232; USB

### OPTIONAL FEATURES

#### EAS FEATURES

Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IV, V, VI and VII models  
Sensomatic: Good Read Acknowledgement  
Diagnostic Reporting; Host Download; Productivity Index Reporting™ (PIR)

#### VALUE ADDED FEATURES

### PHYSICAL CHARACTERISTICS

#### COLORS AVAILABLE

Black; Grey; Other colors and custom logo options are available for minimum quantity purchase.

#### DIMENSIONS

Riser Stand: 5.8 x 7.4 x 9.7 cm / 2.3 x 2.9 x 3.8 in  
Scanner: 8.4 x 7.1 x 9.4 cm / 3.3 x 2.8 x 3.7 in  
Riser Stand: 187.1 g / 6.6 oz  
Scanner: 198.5 g / 7.0 oz

#### WEIGHT

### READING PERFORMANCE

#### IMAGE CAPTURE PRINT CONTRAST RATIO (MINIMUM) READ RATE (MAXIMUM) READING ANGLE READING INDICATORS

Optional: 752 x 480 pixels; Graphic Formats: JPEG  
25%  
1,768 digital scan lines/sec.  
Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75°  
Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED  
0.130 mm / 5 mils  
Digital: 136

#### RESOLUTION (MAXIMUM) SCAN LINES

### 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.

Complies to EU RoHS  
IEC 60825 Class 1 LED

#### ENVIRONMENTAL COMPLIANCE LED CLASSIFICATION

### UTILITIES

#### OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge  
OPOS Utilities are available for download at no charge  
Lowers service costs and improves operations

#### REMOTE HOST DOWNLOAD

### WARRANTY

2-Year Factory Warranty



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

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