

Magellan® 1400i

Omnidirectional Imaging Scanner



Features:

- Aggressive imaging performance and intuitive operation reduces checker training and speeds checkout for better customer service
- Autodiscriminates 2D and 1D bar codes
- New imaging technology eliminates moving parts associated with laser scanners for improved reliability
- Targeted scanning mode for PLU Lists
- Hands-free scanning for small, easily handled items, handheld scanning for bulkier items
- Precise imaging scan volume eliminates misreads caused by stray laser scan lines
- Small footprint and size allow for easy integration into point-of-sale
- Textured rubber grip area and small size allow hands of all sizes to comfortably hold the scanner when needed
- Checkpoint® Systems EAS compatible
- Tilting stand allows scan volume to be optimized for each user and has screw holes for fixed mounting
- Standard product is available in either Black or Light Grey. Other colors and custom logo options are available for a minimum quantity purchase. Please contact Datalogic Scanning or your Datalogic Scanning reseller for more information on this service.

Mechanical

Dimensions (Scanner with Stand):

Height: 181 cm / 71.3 in
Width: 8.2 cm / 3.23 in
Length: 9.7 cm / 3.82 in

Weight: 3454 g / 15.7 oz

Environmental

Temperature Rating

Operating: 0 to 40 °C / 32 to 104 °F
Storage/Transport: -40 to 70 °C / -40 to 158 °F

Humidity: 5 to 95% NC (non-condensing)

Shock: Multiple 1.2 m / 4 ft drops

Water & Dust Resistance: IP52

Electrical

Operating Voltages

5.0 V model ± 5%
8.0 – 14.0 V model

Operating Current (idle): < 350 mA

Operating Current (label read): < 450 mA

Communications

- RS-232
- USB
- OEM USB
- Keyboard Wedge
- Wand Emulation
- IBM 46xx / RS-485

Optical

Scan Pattern: 104 line

Scan Rate: 1,170 (digital scan lines/second)

Single Line Activation: via button

Scan Volume: 1311 cm³ / 80 in³

Minimum Resolution: 5 mil

Print Contrast: 25%

Roll: 0 – 360°

Pitch: ±65°

Yaw: ±75°

Ambient Light

Indoor: < 557 foot candles / 6,000 Lux

Outdoor: < 7,999 foot candles / 86,100 Lux

Depth of Field: Please refer to table below

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE
5 mil	19 to 5.0 cm / 0.75 to 2.0 in
6.6 mil (PDF)	3.8 to 7.6 cm / 1.5 to 3.0 in
7.5 mil	1.3 to 10.2 cm / 0.5 to 4.0 in
10 mil	0 to 15.2 cm / 0 to 6.0 in
10 mil (PDF)	3.1 to 17.7 cm / 1.25 to 7.0 in
13 mil (UPC)	0 to 20.3 cm / 0 to 8.0 in
15 mil (PDF)	2.5 to 20.3 cm / 1.0 to 8.0 in
20 mil	0 to 22.9 cm / 0 to 9.0 in

Minimum distance determined by symbol length and scan angle.
Printing resolution, contrast, and ambient light dependent.

Data Sheet

Decoding Capability

The Magellan® 1400i omnidirectional imaging scanner autodiscriminates between the following supported symbologies:

Retail Codes:

- EAN 8 and 13 with full expansion 8 to 13
- EAN/JAN two label
- JAN 8 and 13 with full expansion 8 to 13
- UCC/EAN 128
- UPC Versions A&E
- UPC Supplementals (Bookland and Coupon Code)
- UPC Add-ons (sub 2 or P2, sub 5 or P5 and CI28)
- Italian Pharmacode
- GSI DataBar™ (RSS): Omnidirectional, Stacked Omnidirectional, Expanded, Expanded Stacked and Limited
- Supports GTIN

Industrial Codes:

- Code 39 (with full ASCII)
- Code 128 (Up to 80 characters, including Code 39 conversions)
- Code 93
- Interleaved 2 of 5
- Standard 2 of 5
- Codabar
- MSI/Plessey

2D Codes:

- PDF417
- Data Matrix (ECC 200)

Image Capture

- JPG image capture feature up to 752 x 480 resolution

Please contact your Datalogic Scanning representative for other available symbologies.

Safety and Regulatory

Electrical: Gost R; TÜV; UL; cUL; NOM

Emissions: Complies to FCC; EN 55022; AS/NZS CISPR 22; VCCI; CNS 13438; ICES-003

Restriction of Hazardous Substances: Complies to EU RoHS



Other

EAS Compatibility: Integrated EAS hardware works with Checkpoint® Systems.

DATALOGIC™

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