Magellan® 1000i

Omnidirectional Imaging Scanner

Data Sheet

Shown with Optional Tilting Riser Stand

Features:

- Aggressive imaging performance on 1D and 2D bar codes speeds checkout for better customer service

- New imaging technology eliminates moving parts associated with laser scanners for improved reliability

- 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 and OEM applications

- Textured grip area and small size allow hands of all sizes to comfortably hold the scanner when needed

- Checkpoint® Systems EAS compatible

- Optional targeted scanning mode for PLU Lists

- Optional 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 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.

Accessories:

- Tilting Riser Stand

- Fixed Mounting Plate

- Gooseneck Stand (23 cm / 9 in)

Mechanical

Dimensions	Scanner	Stand	Scanner with Stand
Height	8.3 cm / 3.3 in	5.8 cm / 2.3 in	14.0 cm / 5.5 in
Width	7.1 cm / 2.8 in	7.4 cm / 2.9 in	7.4 cm / 2.9 in
Length	9.5 cm / 3.7 in	9.7 cm / 3.8 in	9.7 cm / 3.8 in
Weight	198 g / 7.0 oz	187 g / 6.6 oz	385 g / 13.6 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
5.0V model ± 10%
8.0 - 14.0V model
Operating Current (idle): < 300 mA
Operating Current (label read): < 400 mA

Communications

- RS-232
- USB
- IBM 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: Optional Button
Scan Volume: 987 cm³ / 60 in³
Minimum Resolution: 5 mil
Print Contrast: 25%
Roll: 0 - 360°
Pitch: ±65°
Yaw: ±75°
Ambient Light
Indoor: < 6,000 Lux / 557 foot candles
Outdoor: < 86,100 Lux / 7,999 foot candles
Depth of Field: Please refer to table below

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE
5 mil	0.64 - 4.45 cm / 0.50 - 1.75"
7.5 mil	0.64 - 5.72 cm / 0.25 - 2.25"
10 mil	0 - 12.7 cm / 0 - 5"
13 mil UPC	0 - 15.2 cm / 0 - 6"
20 mil	0 - 17.15 cm / 0 - 6.75"

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

Decoding Capability

The Magellan® 1000i autodiscriminates between the following supported symbologies:

Retail Codes:
- UPC Versions A&E
- UPC Supplementals (Bookland and Coupon Code)
- UPC Add-ons (sub 2 or P2, sub 5 or P5 and C128)
- GSI DataBar™ (RSS): Omnidirectional, Stacked Omnidirectional, Expanded, Expanded Stacked and Limited
- EAN 8 and 13 with full expansion 8 to 13
- JAN 8 and 13 with full expansion 8 to 13
- EAN/JAN two label
- UCC/EAN 128
- Italian Pharmacode
- 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

Optional 2D Codes:
- PDF417
- Data Matrix (ECC 200)

Optional 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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