

ECRS Datalogic – Magellan 1100i

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Omni-directional Imaging Scanner

The Magellan 1100i represents the newest breakthrough in data capture technology from Datalogic Scanning. The world's first imaging based presentation scanner, the Magellan 1100i is designed for convenience stores, drug stores, specialty stores and other medium volume checkout environments. The Magellan 1100i's solid-state construction with no moving parts increases reliability while the ultra-small size frees up valuable counter selling space. The Magellan 1100i excels at capturing hard-to-read bar codes in an Omni-directional orientation while supporting both presentation and sweep scanning styles. The Magellan 1100i also offers an optional targeted scanning mode for scanning close proximity bar codes like those on a pick list.

Features

Like the entire Magellan family, the Magellan 1100i has Datalogic's multi-interface support built into each scanner that allows a new interface with a simple program parameter change and a cable switch. The Magellan 1100i imaging

technology allows users to scan bar codes in any orientation with either a sweep or a presentation style of scanning; a first for retail imaging scanners.

- Aggressive imaging performance and intuitive operation reduces checker training and 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 (Add-on option)
- Optional targeted scanning mode for PLU Lists



Datalogic – Magellan 1100i

Environmental

Temperature rating
Operating: 32° to 104° F / 0° to 40° C
Storage/transport: -40° to 158° F / -40° to 70° C
Humidity: 5 to 95% NC (non-condensing)
Shock: Multiple 4' / 1.2 m drops
Water & dust resistance: IP52

Electrical

Operating voltages
5.0V model \pm 5%
8.0—14.0V model
Operating current (idle): < 300mA
Operating current (label read): < 400mA

Communications

RS-232
USB
IBM USB
Keyboard wedge
Wand emulation
IBM 46xx / RS-485

Optical

Scan pattern: 100 line
Scan rate: 1,000 digital scan lines/second
Single line activation: Optional button
Scan volume: 60 in³ / 987 cm³
Depth of field: Please refer to table below
Minimum resolution: 5 mil
Print contrast: 25%
Roll: 0 — 360°
Pitch: \pm 65°
Yaw: \pm 75°
Ambient light
Indoor: < 557 foot candles / 6,000 Lux
Outdoor: < 7,999 foot candles / 86,100 Lux

Decoding Capability

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

Retail codes:

- UPC Versions A&E
- UPC Supplementals (Bookland & Coupon Code)
- UPC Add-ons (sub 2 or P2, sub 5 or P5 & C128)
- Dual Bar Codes for Japan (2 label read)

- Reduced Space Symbology (RSS) RSS-14, RSS expanded, and RSS Stacked Omni-directional)
- EAN 8 & 13 with full expansion 8 to 13
- JAN 8 & 13 with full expansion 8 to 13
- EAN/JAN two label
- UCC/EAN 128
- Italian Pharmacode
- Supports GTIN

Please contact your ECRS representative for other available symbologies.

Mechanical

Scanner

Height: 3.3" / 8.3 cm
Width: 2.8" / 7.1 cm
Length: 3.7" / 9.5 cm
Weight: 7.0 oz / 198 g

Stand

Height: 2.3" / 5.8 cm
Width: 2.9" / 7.4 cm
Length: 3.8" / 9.7 cm
Weight: 6.6 oz / 187 g

Scanner with Stand

Height: 5.5" / 14.0 cm
Width: 2.9" / 7.4 cm
Length: 3.8" / 9.7 cm
Weight: 13.6 oz / 385 g

DEPTH OF FIELD - Range Comparisons

Label Density: 5 mil
Range: 1.75" / 0.64 - 4.45 cm

Label Density: 7.5 mil
Range: 0.25 - 2.25" / 0.64 - 5.72 cm

Label Density: 10 mil
Range: 0 - 5" / 0 - 12.7 cm

Label Density: 13 mil UPC
Range: 0 - 6" / 0 - 15.2 cm

Label Density: 20 mil
Range: 0 - 6.75" / 0 - 17.15 cm

Minimum distance determined by symbol length and scan angle.