

PSC Magellan 1000i Omni-directional Imaging Scanner

The Magellan 1000i represents the newest breakthrough in data capture technology from PSC. The world's first imaging based presentation scanner, the Magellan 1000i is designed for convenience stores, drug stores, specialty stores and other medium volume checkout environments. The Magellan 1000i's solid-state construction with no moving parts increases reliability while the ultra-small size frees up valuable counter selling space. The Magellan 1000i excels at capturing hard-to-read bar codes in an Omni-directional orientation while supporting both presentation and sweep scanning styles. The Magellan 1000i also offers an optional targeted scanning mode for scanning close proximity bar codes like those on a pick list.



Features such as RFID coupling and new code symbologies can be enabled via software changes. And, like the entire Magellan family, the Magellan 1000i has PSC'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 1000i 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.

Features:

- 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
- 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.



Accessories:

- Tilting riser stand
- Fixed mounting plate



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 ± 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: ±65°
 Yaw: ±75°
 Ambient light
 Indoor: < 557 foot candles / 6,000 Lux
 Outdoor: < 7,999 foot candles / 86,100 Lux

Mechanical

Dimensions	Scanner	Stand	Scanner with Stand
Height	3.3" / 8.3 cm	2.3" / 5.8 cm	5.5" / 14.0 cm
Width	2.8" / 7.1 cm	2.9" / 7.4 cm	2.9" / 7.4 cm
Length	3.7" / 9.5 cm	3.8" / 9.7 cm	3.8" / 9.7 cm
Weight	7.0 oz / 198 g	6.6 oz / 187 g	13.6 oz / 385 g

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.

DEPTH OF FIELD Range Comparisons

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

Minimum distance determined by symbol length and scan angle.