



High Performance In-Counter Scanner and Scanner/Scale

The Magellan® 8500 scanner and scanner/scales are the highest performing fixed point-of-sale (POS) scanners in the world. Specifically designed for high-volume retail applications, the Magellan 8500 scanners utilize Datalogic's patented SurroundScan 3D Scanning technology. With SurroundScan, the scanner aggressively reads all six sides of an item, virtually eliminating misreads and reduces ergonomic problems by allowing cashiers the freedom to scan items in their natural orientation.

All 8500 models are equipped with stainless steel platters and can be configured as either scanner or scanner/scale combination featuring Datalogic's exclusive, patented All-Weighs® scale platter to ensure accurate produce and bulk food weighing at the checkout. The 8500 model options include two lengths: long and short (scanner only) to accommodate various point-of-sale configurations.

FirstStrike® advanced software decoding algorithms provide the industry's best scanning speed and simultaneously improve first pass read rates of damaged, wrinkled, or poorly printed bar codes delivering improved operational efficiencies at the retail checkout.

Flash memory allows for easy software upgrades that help extend the life of the retailer's investment. In addition, an auxiliary RS-232 port can be utilized in a variety of ways, including adding a handheld scanner, programming and configuring the scanner, or accessing the scanner's label data output.

For applications requiring electronic article surveillance (EAS), the 8500 can be equipped with Checkpoint EAS and can support Sensormatic EAS systems with good read acknowledgement via the auxiliary RS-232 port. Optional Value Added Features provide optional information tools that help decrease front-end costs by managing information on scanner software and diagnostics.



Features

- Datalogic's patented SurroundScan 3D Scanning™
- Renowned Magellan brand quality and reliability
- All-Weighs Scale Platter with integrated Produce Rail™ (Optional)
- FirstStrike advanced decoding software delivers the best performance in reading poor quality labels
- Flash memory for easy software upgrades in the field
- Multiple interface solution supports all popular host interfaces
- Powered auxiliary RS-232 port for easy integration of a handheld scanner
- Supports GS1 DataBar™ codes
- Checkpoint Systems and Sensormatic EAS compatible (Optional)
- Optional Value Added Features:
 - Host Download - Lowers Service Cost and Improves Operations
 - Diagnostic Reporting - For improved preventative maintenance
 - Productivity Index Reporting™ - Helps identify poorly printed labels
 - Cashier Training™/Ergonomic Index - Identifies Poor Scanning Habits

www.scanning.datalogic.com



Specifications

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes
STACKED CODES	GS1 DataBar Stacked

ELECTRICAL

AC POWER REQUIREMENTS	AC Input: 100-250 VAC, 50-60 Hz Power Consumption: Operating (Maximum): 17 Watts Operating (Nominal): 9 Watts Sleep Mode: 4 Watts
-----------------------	--

ENVIRONMENTAL

ESD PROTECTION (AIR DISCHARGE)	25 kV
HUMIDITY (NON-CONDENSING)	5 - 95%
TEMPERATURE	Operating: 10 to 40 °C / 50 to 104 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

AUXILIARY PORTS	IBM 46xx; Keyboard Wedge; Scanner Only; OEM (IBM) USB; RS-232 EAS Port; Powered RS-232; Remote Scale Display; Scale Host; Sensormatic EAS Controller Port
-----------------	---

OPTIONAL FEATURES

ALL-WEIGHS SCALE PLATTER EAS FEATURES	Produce Rail™ Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IV, V, VI and VII models Sensormatic: Datalogic SmartSentry Firmware Interfaces with the Sensormatic Ultra-Max EAS Deactivation; Good Read Acknowledgement; Integrated EAS Antenna in the Vertical and Horizontal Plane Cashier Training™; Diagnostic Reporting; Host Download; Productivity Index Reporting™ (PIR)
VALUE ADDED FEATURES	

PHYSICAL CHARACTERISTICS

DIMENSIONS	Depth (Below Counter): 12.7 cm / 5.0 in Height (Above Counter): 17.8 cm / 7.0 in Length: Model 8500 (Short, Scanner Only): 42.2 cm / 16.6 in Length: Model 8501 (Long, Scanner Only): 50.8 cm / 20.0 in Length: Model 8502 (Long, Scanner/Scale): 50.8 cm / 20.0 in Width: 29.2 cm / 11.5 in Adjustments Required: Calibration Only Capacity: 15.0 kg / 30.0 lb Maximum Static Weight: 68.0 kg / 150.0 lb Minimum Increment: 0.005 kg / 0.010 lb Vibration Immunity: 4 Programmable Filter Settings
SCALE CAPACITIES	

READING PERFORMANCE

MOTOR SPEED	6,000 rpm
READ HEIGHT	15.2 cm / 6.0 in
READ RATE (MAXIMUM)	6,400 lines/sec.
READING INDICATORS	Beeper (Adjustable Tone and Volume); Good Read LED
SCAN LINES	64
SCAN ZONE	360° x 2
SIDES READ	6 Sides - SurroundScan 3D Scanning™

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 Caution Laser Radiation - Do not stare into beam; CDRH Class IIa; IEC 60825 Class 1
ENVIRONMENTAL COMPLIANCE	
LASER CLASSIFICATION	

UTILITIES

OPOS / JAVAPOS	JavaPOS Utilities are available for download at no charge OPOS Utilities are available for download at no charge
----------------	---

WARRANTY

1-Year Factory Warranty

© 2005-2008 Datalogic Scanning Inc.

All rights reserved. • Protected to the fullest extent under U.S. and international laws.
• Copying, or altering of this document is prohibited without express written consent from Datalogic Scanning, Inc.

Datalogic is a registered trademark of Datalogic S.p.A. in many countries and the Datalogic logo is a trademark of Datalogic S.p.A.

FirstStrike, All Weighs, Magellan and SurroundScan are registered trademarks of Datalogic Scanning Inc. and 3D Scanning, Cashier Training, OmegaTek, Produce Rail, Productivity Index Reporting and SmartSentry are trademarks of Datalogic Scanning Inc.

Other brand and product names may be trademarks of their respective owners.

Product specifications are subject to change without notice.

DS-MAGELLAN8500-EN 20080804

www.scanning.datalogic.com