MAGELLAN™ 3700HSi

◇DATALOGIC

Smart. Fast. Green. One scan does it all.

REINVENTING THE SPEED OF RETAIL

Datalogic's new 3700HSi series continues our legacy of innovation with industry-leading performance designed for today's fast-paced retail environments. Engineered for speed, accuracy, and reliability, the 3700HSi delivers exceptional scanning across 1D and 2D barcodes, including printed, mobile, damaged, or hard-to-read codes. With enhanced throughput and motion tolerance, checkout associates and shoppers alike enjoy a seamless, efficient experience every time.

The horizontal single planes are unique in that they offer a clutter free checkout counter for more space and a simpler checkout experience for customers and attendants.

Stay ahead of the curve with scanners built to support the latest standards including GS1 Digital Link, Digimarc, composite codes, and OCR. Unlock powerful capabilities like tracking expiration dates, managing recalls, and delivering personalized promotions, all through enhanced GS1 Digital Link data. With a low power consumption of 1.8 W, TUV certified 85% recycle plastics and eco-friendly packaging, it's the greenest Single Plane in the market.

SMART SECURITY. SEAMLESS TRACKING.

Empower your point of sale with advanced features designed to protect your business and streamline operations. Enable loss prevention with RFID and EAS to track and deactivate items through checkout and returns. Unlock more capability with the 1 MP Color Video camera for recording security footage or couple with external AI applications for loss prevention or item recognition. Secure loyalty card processing with on-glass color image capture, and manage access with age verification from scanned IDs, all seamlessly integrated into your workflow.

EMPOWERING YOUR WORKFLOW POTENTIAL

Take control of your retail ecosystem with remote capabilities for software updates, device diagnostics, and enterprise-level tracking, all powered by our advanced IoT platform. Effortlessly connect across Windows, Linux, or Android environments using OPOS, JavaPOS, or the Android SDK. Configure scanners with ease using Aladdin, giving you full flexibility and control.

FEATURES

- Advanced digital imaging provides class-leading performance and reliability
- Seamless 1D, 2D, GS1 Digital Link, OCR, and Digimarc® digital watermark reading
- Smoothly reads all bar codes, whether displayed on cell phones or printed
- Subtle, adaptive illumination for user comfort
- Solid-state electronics for silent operation and superior reliability
- Software driven - flexible and upgradeable
- Read and write UHF RFID Tags
- Color video and color image capture
- USB-C power delivery
- Multiple interfaces in every unit
- Powered USB auxiliary port
- Checkpoint Systems and Tyco Sensormatic EAS compatible
- Cable retention harness
- IoT Remote Management Platform for diagnostics, SW upgrades, and configuration
- Available Magellan Customer Service Scanner (CSS) with omni-mount for reading cell
- phones, coupons and loyalty cards
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY - APPLICATION

Retail: Convenience, Grocery, Discount, Specialty, Hardware, Fashion, Pharmacy, Hospitality

- **Applications:** Attended POS, Self-Checkout POS, Kiosks, Ticketing, Access Control, Price Verification, Loss Prevention, ID Verification, Age Verification, Security Monitoring, Ticket Switching, EAS Deactivation, RFID Tracking, Sorting, Quality Assurance

MAGELLAN™ 3700HSi

TECHNICAL SPECIFICATIONS

DECODING CAPABILITY

1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D Codes	Aztec Code; Data Matrix (ECC200 only); QR Code
Stacked Codes	GS1 Digital Link, GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417
Digital Watermarks	Digimarc® Barcodes/GS1 DW Code

ELECTRICAL

Power Requirements	AC Input: 100-240 VAC, 50-60 Hz DC Input: 5-12 V USB-C Power Delivery (3750/3770): 9 or 12 V
Power Consumption	All models, no auxiliary HandHeld device attached: Operating (Maximum): 3 Watts Operating (Nominal): 1.2 Watts Sleep Mode: 1.0 Watts M3x50 and M3x70 only: with Auxiliary HandHeld device attached, 12V power source: Operating (Maximum): 6 Watts Operating (Nominal): 1.8 Watts Sleep Mode: 1.5 Watts (average values considering Datalogic QD2500 HandHeld scanner)

ENVIRONMENTAL

Ambient Light	0 to 86,100 lux
ESD Protection (Air Discharge)	25 kV
Humidity (Non-Condensing)	5 - 95%
Particulate and Water Sealing	IP52
Temperature	Operating: 0 to 40 °C / 50 to 104 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

Interfaces	OEM (IBM) USB; RS-232; USB Keyboard, USB Com
Auxiliary Ports (3750/3770)	Powered Type A USB (USB Com) Requires 12V Power Supply, 12V OEM-USB, or 9-12V USB-C Power Delivery

OPTIONAL FEATURES

EAS Features	Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IX and Evolve D11 models; Sensormatic: Good Read Acknowledgement
Value Added Features	Diagnostic Reporting; Host Download; Magellan ULE Scripting

PHYSICAL CHARACTERISTICS

Dimensions	Magellan Model 3700 HSi: Depth (Below Counter): 8.7 cm / 3.4 in; Length: 15.2 cm / 6.0 in; Width: 15.2 cm / 6.0 in
Weight	0.90 kg / 2.0 lb

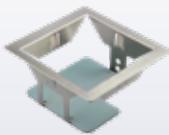### RFID (AVAILABLE FOR 3750/3770)

Standard	EPC UHF Class 1 Gen 2 (ISO 18000-6C); Requires 12V Power Supply, 12V OEM-USB, or 9-12V USB-C Power Delivery
Frequency	US: 902 MHz to 928 MHz ; EU: 865 MHz to 868 MHz
Modulation	ASK (Amplitude Shift Keying)
Power	Max 9dBm (configurable)
Reading Range	Up to 20 cm / 7.9 inch (linear)

COLOR VIDEO CAMERA (3770)

Power Consumption (on dedicated USB 5V interface)	Without White Illumination enabled: Operating: 0.5 Watts With White Illumination enabled: Operating (Maximum): 2.5 Watts Operating (Nominal): 0.8 Watts Sleep Mode: 0.5 Watts
Resolution	1280 x 800 pixels, Global Shutter
Framerate	40 frames per second
Field of View	74°H x 50°V
Connectivity	USB Type B Port (USB 2.0), USB Video Class (UVC) Protocol

READING RANGES

Typical Depth of Field	Printing resolution, symbol length, scan angle, contrast and ambient light dependent. Distances measured from the product window without a platter. **1D Codes** 5 mils (Code39): 1 to 13cm / 0.5 to 5.0 in 7.5 mils (Code39): 0 to 18cm / 0 to 7.0 in 10 mils (EAN): 0 to 19cm / 0 to 7.5 in 13 mils (EAN): 0 to 22cm / 0 to 8.7 in 20 mils (Code39): 0 to 26cm / 0 to 10.0 in **2D Codes** 6.6 mils (PDF): 1 to 12cm / 0.5 to 4.7 in 10 mils (PDF): 0 to 18cm / 0 to 7.0 in 10 mils (DM): 1 to 9cm / 0.5 to 3.5 in 15 mils (DM): 0 to 16cm / 0 to 6.3 in 15 mils (QR): 0 to 16cm / 0 to 6.3 in 20 mils (DM): 0 to 18cm / 0 to 7.0 in 20 mils (QR): 0 to 18cm / 0 to 7.0 in

READING PERFORMANCE

Image Capture	Graphic Formats: BMP, JPEG, TIFF, RAW Color (3750/3770) and Grayscale
Image Sensor	1360 x 1120 pixels, Global Shutter
Light Source	Multiple diffused LEDs, orientation and wavelength optimized for eye comfort
Print Contrast Ratio (Minimum)	25%
Read Height	15.0 cm / 6.0 in (EAN 13 mils at 15cm distance)
Grayscale Read Rate (Maximum)	60 Million pixels per second
Color Image Read Rate (Maximum, 3750/3770)	4 seconds per image (JPEG format)
Reading Angle	Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 65°
Reading Indicators	Audio speaker with adjustable tone and volume; Good Read LED; Good Transmission
Resolution (Maximum)	1D Codes: 3 mil 2D Codes: 6 mil

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.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS
LED Classification	EN62471 and IEC62471 Lamp Illumination - Exempt Group

UTILITIES

Aladdin	Magellan Aladdin configuration software is available for download at www.datalogic.com
OPOS / JavaPOS	JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge

WARRANTY

Warranty	3-Year Factory Warranty

ACCESSORIES

Mounts/Stands

• 90ACC0355 Standard Counter Mount

• 11-0178 Standard Counter Mount with Magellan HS 1250 Fill Kit

• 90ACC0515 Customer Service Scanner with Omni Mount