

MAGELLAN™ 3700HSi



Smarter scanning. Faster checkout. Green design. Always one scan ahead.



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

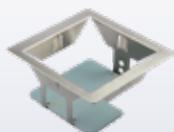


TECHNICAL SPECIFICATIONS

DECODING CAPABILITY		READING RANGES	
1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.	Typical Depth of Field	Printing resolution, symbol length, scan angle, contrast and ambient light dependent. Distances measured from the product window without a platter.
2D Codes	Aztec Code; Data Matrix (ECC200 only); QR Code		1D Codes
Stacked Codes	GS1 Digital Link, GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417		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
Digital Watermarks	Digimarc® Barcodes/GS1 DW Code		20 mils (Code39): 0 to 26cm / 0 to 10.0 in
ELECTRICAL		READING PERFORMANCE	
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	Image Capture	Graphic Formats: BMP, JPEG, TIFF, RAW Color (3750/3770) and Grayscale
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)		Image Sensor
ENVIRONMENTAL		Light Source	Multiple diffused LEDs, orientation and wavelength optimized for eye comfort
Ambient Light	0 to 86,100 lux	Print Contrast Ratio (Minimum)	25%
ESD Protection (Air Discharge)	25 kV	Read Height	15.0 cm / 6.0 in (EAN 13 mils at 15cm distance)
Humidity (Non-Condensing)	5 - 95%	Grayscale Read Rate (Maximum)	60 Million pixels per second
Particulate and Water Sealing	IP52	Color Image Read Rate (Maximum, 3750/3770)	4 seconds per image (JPEG format)
Temperature	Operating: 0 to 40 °C / 50 to 104 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F	Reading Angle	Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 65°
INTERFACES		Reading Indicators	Audio speaker with adjustable tone and volume; Good Read LED; Good Transmission
Interfaces	OEM (IBM) USB; RS-232; USB Keyboard, USB Com	Resolution (Maximum)	1D Codes: 3 mil 2D Codes: 6 mil
Auxiliary Ports (3750/3770)	Powered Type A USB (USB Com) Requires 12V Power Supply, 12V OEM-USB, or 9-12V USB-C Power Delivery	SAFETY & REGULATORY	
OPTIONAL FEATURES		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.
EAS Features	Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IX and Evolve D11 models; Sensormatic; Good Read Acknowledgement	Environmental Compliance	Complies to China RoHS; Complies to EU RoHS
Value Added Features	Diagnostic Reporting; Host Download; Magellan ULE Scripting	LED Classification	EN62471 and IEC62471 Lamp Illumination - Exempt Group
PHYSICAL CHARACTERISTICS		UTILITIES	
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	Aladdin	Magellan Aladdin configuration software is available for download at www.datalogic.com
Weight	0.90 kg / 2.0 lb	OPOS / JavaPOS	JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge
RFID (AVAILABLE FOR 3750/3770)		WARRANTY	
Standard	EPC UHF Class 1 Gen 2 (ISO 18000-6C); Requires 12V Power Supply, 12V OEM-USB, or 9-12V USB-C Power Delivery	Warranty	3-Year Factory Warranty
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		

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