



## Datalogic Magellan 3700HSi: Compact power for strong performance at the POS

-  **High throughput thanks to fast and reliable data capture**  
The compact single-plane scanner saves space on the counter and reliably reads even mobile, damaged or hard-to-read codes.
-  **Barcode, GS1 Digital Link, UHF RFID and OCR combined in a compact system**  
A device for traditional barcodes, modern 2D codes, RFID workflows and text capture. This reduces the need for additional hardware and streamlines processes at the till and service point.
-  **Colour image and video capture for service, security and new POS processes**  
Enables loyalty schemes, document capture and control processes. Depending on the model, colour video is also available for surveillance and product recognition.
-  **Remote management and flexible interfaces for easy integration into the market**  
Multiple interfaces per device, USB-C Power Delivery and IoT remote management simplify integration, diagnostics, updates and centralised management in retail environments.
-  **Sustainable design with low energy consumption and a high proportion of recycled materials**  
With a power consumption of just 1.8 W, 85% recycled plastic and eco-friendly packaging, the scanner supports more sustainable POS concepts.

## Features

**Supported codes:** 1D, 2D, GS1 Digital Link, OCR, Digimarc and UHF RFID

**Reading distance:** 0 - 26 cm

**Ambient light:** 0 - 86,100 lux

**Lighting:** Multiple diffused LEDs

**Feedback:** Audio speaker with adjustable pitch and volume, LEDs

**Additional features:** Image capture, colour video/colour image capture, powered USB auxiliary port, IoT remote management platform

**Connectivity:** OEM (IBM) USB, RS-232, USB keyboard, USB COM

**Power supply:** AC / 100-240 V, DC / 5-12 V, USB-C / 9 or 12 V

**Protection:** IP52

**Operating temperature:** 0 to 40 °C

**Dimensions (W x L x H):** 15.2 x 15.2 x 8.7 cm

**Weight:** 900 g

## Optional accessories

**Standard Counter Mount**

**Standard Counter Mount with Magellan HS 1250 Fill Kit**

**Customer Service Scanner with Omni Mount**

## DECODING CAPABILITY

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

## ELECTRICAL

<b>Power Requirements</b>	AC Input: 100-240 VAC, 50-60 Hz DC Input: 5-12 V USB-C Power Delivery (3750/3770): 9 or 12 V
<b>Power Consumption</b>	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

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

## INTERFACES

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

## OPTIONAL FEATURES

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

## PHYSICAL CHARACTERISTICS

<b>Dimensions</b>	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
<b>Weight</b>	0.90 kg / 2.0 lb

## RFID (AVAILABLE FOR 3750/3770)

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

## COLOR VIDEO CAMERA (3770)

<b>Power Consumption (on dedicated USB 5V interface)</b>	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
<b>Resolution</b>	1280 x 800 pixels, Global Shutter
<b>Framerate</b>	40 frames per second
<b>Field of View</b>	74°H x 50°V
<b>Connectivity</b>	USB Type B Port (USB 2.0), USB Video Class (UVC) Protocol

## READING RANGES

<b>Typical Depth of Field</b>	Printing resolution, symbol length, scan angle, contrast and ambient light dependent. Distances measured from the product window without a platter. <b>1D Codes</b> 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 <b>2D Codes</b> 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
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## READING PERFORMANCE

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

## SAFETY & REGULATORY

<b>Agency Approvals</b>	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.
<b>Environmental Compliance</b>	Complies to China RoHS; Complies to EU RoHS
<b>LED Classification</b>	EN62471 and IEC62471 Lamp Illumination - Exempt Group

## UTILITIES

<b>Aladdin</b>	Magellan Aladdin configuration software is available for download at <a href="http://www.datalogic.com">www.datalogic.com</a>
<b>OPOS / JavaPOS</b>	JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge

## WARRANTY

<b>Warranty</b>	3-Year Factory Warranty
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