

Datalogic Magellan 3410VSi & 3450VSi



Datalogic Magellan 3410VSi & 3450VSi – Compact high-performance for short waiting times

- ✓ Optimum barcode scanning performance and large reading range
- ✓ Reliable capture from all angles, even with damaged or poorly printed barcodes
- ✓ Optional customer service scanner for signatures and ID cards
- ✓ Flexible connection options for easy integration into existing IT infrastructure
- ✓ Programming and updating directly on the unit or via remote access

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Features

Readable codes: 1D, 2D, stack, post, Digimarc (3450VSi)

Reading distance: 0 - 20 cm

Reading height: 14 cm

Reading angle: vertical tilt +/- 65°, rotation: 0 - 360°, horizontal tilt: +/- 75

Ambient light: 0 - 86100 lux

Illumination: Multiple diffused LEDs

Feedback: LED, Beeper, Speaker (3450VSi)

Additional features: USB auxiliary, image capture, Micro SD card slot

Connectivity: USB Keyboard, USB COM, OEM USB, RS-232, RS-232 Diebold-Nixdorf Beetle

Power supply: AC: 100 - 240 V, DC: 5-12V, 5V USB-A

Protection: IP52

Operating temperature: 10 - 40 °C

Dimensions (W x L x H): 13.7 x 15.2 x 9.4 cm

Weight: 600 g

Optional accessories

Table / wall mount

Tilttable mount

Customer Service Scanner

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DECODING CAPABILITY	
1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D Codes	Aztec Code, Data Matrix, QR Code
Stacked Codes	GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; Micro PDF417, PDF417
Digital Watermarks	Optional support for Digimarc® Barcodes / GS1 DW Code
ELECTRICAL	
Power Requirements	AC Input: 100-240 VAC, 50-60 Hz DC Input: 5-12V
Power Consumption	Maximum: 2.25W @ 5V; 3.3W @ 12V Typical (RMS): 1.6W @ 5V; 2.1W @ 12V Sleep Mode (RMS): 0.95W @ 5V; 1.25W @ 12V
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: 10 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, USB TEC
Auxiliary Ports	Powered Type A USB (USB Com requires power supply or 12V Host power)
PHYSICAL CHARACTERISTICS	
Dimensions	Magellan Model 3410VSi: 13.7 x 15.2 x 9.4 cm / 5.4 x 6.0 x 3.7 in
Weight	0.6 kg / 1.3 lb

READING PERFORMANCE	
Image Capture	Graphic Formats: BMP, JPEG
Image Sensor	1 MP; 1280 x 800 pixels; Graphic Formats: JPEG, BMP
Light Source	Multiple diffused LEDs, orientation and wavelength optimized for eye comfort
Print Contrast Ratio (Minimum)	25%
Read Height	14.0 cm / 5.5 in
Read Rate (Maximum)	30 Million pixels per second
Reading Angle	Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75°
Reading Indicators	Audio beeper with adjustable tone and volume; Good Read LED; Good Transmission
Resolution (Maximum)	5 mil
READING RANGES	
Typical Depth of Field	Printing resolution, symbol length, scan angle, contrast and ambient light dependent. 1D / Linear Codes 5 mils: 0 to 6.4 cm / 0 to 2.5 in 10 mils: 0 to 15.2 cm / 0 to 6.0 in 13 mils: 0 to 20.3 cm / 0 to 8.0 in 2D Codes (Optional) 6.6 mils: PDF: 0 to 5.1 cm / 0 to 2.0 in 10 mils: PDF: 0 to 12.7 cm / 0 to 5.0 in 10 Mils: Data Matrix: 0 to 6.4 cm / 0 to 2.5 in 20 Mils: Data Matrix: 0 to 18.0 cm / 0 to 7.0 in
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	
Scanalyzer	Magellan Scanalyzer configuration software is available for download at www.datalogic.com .
OPOS / JavaPOS	OPOS and JavaPOS utilities are available for download at no charge.
WARRANTY	
Warranty	3-Year Factory Warranty

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DECODING CAPABILITY

1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D Codes	Aztec Code, Data Matrix, QR Code
Postal Codes	Australian Post; British Post; Canadian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post
Stacked Codes	GS1 DataBar Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; Micro PDF417, PDF417
Digital Watermarks	Optional support for Digimarc® Barcodes / GS1 DW Code

ELECTRICAL

Power Requirements	AC Input: 100-240 VAC, 50-60 Hz DC Input: 5-12 V
Power Consumption	Operating (Maximum): 3.8 Watts; Operating (Nominal): 3.6 Watts Sleep Mode: 3.0 Watts

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: 10 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	Powered Type A USB (USB Com)

PHYSICAL CHARACTERISTICS

Dimensions	Magellan Model 3450VSi: 13.7 x 15.2 x 9.4 cm / 5.4 x 6.0 x 3.7 in
Weight	0.6 kg / 1.3 lb

READING PERFORMANCE

Image Capture	Graphic Formats: BMP, JPEG
Image Sensor	1280 x 1024
Light Source	Multiple diffused LEDs, orientation and wavelength optimized for eye comfort
Print Contrast Ratio (Minimum)	25%
Read Height	14.0 cm / 5.5 in
Read Rate (Maximum)	39 Million pixels per second
Reading Angle	Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75°
Reading Indicators	Audio speaker with adjustable tone and volume, supports .wav files; Good Read LED; Good Transmission
Resolution (Maximum)	5 mil

READING RANGES

Typical Depth of Field	Printing resolution, symbol length, scan angle, contrast and ambient light dependent. 1D / Linear Codes 5 mils: 3.8 to 8.1 cm / 1.5 to 3.2 in 7.5 mils: 1.3 to 11.4 cm / 0.5 to 4.5 in 10 mils: 0 to 15.2 cm / 0 to 6.0 in 13 mils: 0 to 20.3 cm / 0 to 8.0 in 2D Codes 6.6 mils: PDF: 3.8 to 10.2 cm / 1.5 to 4.0 in 10 mils: PDF: 0 to 12.7 cm / 0 to 5.0 in 10 mils: Data Matrix: 1.3 to 6.4 cm / 0.5 to 2.5 in 20 mils: Data Matrix: 0 to 18.0 cm / 0 to 7.0 in
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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

Scanalyzer	Magellan Scanalyzer configuration software is available for download at www.datalogic.com .
OPOS / JavaPOS	OPOS and JavaPOS utilities are available for download at no charge.

WARRANTY

Warranty	3-Year Factory Warranty
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