MS9520 Voyager

Single-Line Laser Scanner

Honeywell's MS9520 Voyager® hand-held, single-line laser scanner offers aggressive scanning of all standard 1D bar codes.

The Voyager series of hand-held, single-line bar code scanners have united form with function in becoming the industry benchmark for value and performance.

This sleek scanner features patented automatic infrared activation and decodes all standard 1D bar codes, including GS1 DataBar™ (formerly known as RSS codes).

For presentation scanning, Honeywell offers a stand with automatic in-stand detection technology.

The MS9521 VoyagerHD™ is ideal for applications that require high-density scanning, delivering quick and accurate scanning of 1D bar codes as small as 3 mil.

Expand scanner functionality by purchasing the MS9524 VoyagerPDF™, which delivers aggressive scanning of all standard 1D bar codes, including PDF.

For more information on the MS9520 Voyager single-line laser scanner, please visit www.honeywell.com/aidc

Features

- **Automatic Trigger:** Use scanner as either a hand-held device or a fixed presentation scanner when mounted in the stand
- **650-nanometer laser:** High-visibility laser allows user to place laser line on selected bar code
- **Flash ROM:** Future proof POS system with free firmware updates via MetroSet®2 software and standard PC
- **Parsing (Data Editing):** Format bar code data to meet host system's specific requirements

MS9520 Voyager Series Technical Specifications

Operational	
Light Source	Visible Laser Diode 650 nm ± 10 nm
Visual Indicators	Green = ready to scan; Red = good read; Yellow = automatic scanning
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485), OCIA, Laser Emulation, Light Pen Wand Emulation
Mechanical	
Dimensions (LxWxH)	198 mm x 78 mm x 56 mm (7.8″ x 3.1″ x 2.2″)
Weight	149 g (5.3 oz)
Electrical	
Input Voltage	5 VDC ± 0.25 V
Operating Power (typical)	825 mW (165 mA @ 5 V)
Standby Power (typical)	600 mW (120 mA @ 5 V)
DC Transformers	Class 2: 5.2 VDC @ 1 A
Laser Class	Class 1: IEC60825-1, EN60825-1
EMC	FCC Part 15, ICES-003, EN55022 Class B
Environmental	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.5 m (5') drops
Environmental Sealing	Sealed to resist airborne particulate contaminents
Light Levels	4842 Lux (450 foot-candles)
Scan Performance	
Scan Pattern	Single scan line
Scan Speed	72 scan lines per second
Scan Angle	Horizontal: 50°
Print Contrast	35% minimum reflectance difference
Pitch, Skew	68°, 52°
Decode Capabilities	Reads standard 1D and GS1 DataBar symbologies. PDF417 reading available in MS9524 only. Visit www.honeywell.com/aidc/symbologies for details.
Warranty	5 year factory warranty

MS9520 / MS9524 Typical Performance*	
Narrow Width	Depth of Field
5.2 mil	13 mm - 51 mm (0.5″ - 2.0″)
7.5 mil	0 mm - 127 mm (0″ - 5.0″)
10.4 mil	0 mm - 165 mm (0″ - 6.5″)
13 mil	0 mm - 203 mm (0″ - 6.5″)
21 mil	25 mm - 254 mm (0″ - 6.5″)
*Resolution: 5 mil (0.127 mm) *Performance may be impacted by bar code quality and environmental conditions	

MS9521 Typical Performance*	
Narrow Width	Depth of Field
4.0 mil	6 mm - 38 mm (0.3″ - 1.5″)
6.8 mil	0 mm - 76 mm (0″ - 3.0″)
10.4 mil	0 mm - 108 mm (0″ - 4.3″)
13 mil	0 mm - 140 mm (0″ - 5.5″)
*Resolution: 3 mil (0.076 mm) *Performance may be impacted by bar code quality and environmental conditions	

For more information:

www.honeywell.com/aidc

Honeywell Security & Data Collection

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