

# LS 9208



## HandsFree Omnidirectional Projection Scanner

### BAR CODE SCANNERS

#### Let Your Store Profit from Today's Most Advanced Omnidirectional Projection Scanner

The LS 9208 Omnidirectional Scanner from Symbol Technologies combines hands-free operation with a high-performance, "can't miss" rastering 100-line omnidirectional scan pattern that reads bar codes on the first try—even truncated or poorly printed symbols. The LS 9208 also features a single scan line for reading bar code menus and pick lists.

With its small footprint, the LS 9208 takes up very little valuable counter space and the variable mounting options provide unmatched POS adaptability to meet the requirements of your store's check out configurations. When you need to read bar codes on bulky items that are hard to bring to a fixed scanner, the LS 9208 easily converts to hand-held mode.

The high-performance features of the LS 9208 include the EAS checkpoint deactivation option that saves precious POS space by co-locating the deactivation antenna with the scanner.

#### A Perfect Fit for Many Retail Applications

The LS 9208 is ideal for a variety of retail operations—even in major department stores. In fact, any store that needs fast, accurate checkout and improved customer service will benefit from the efficient and flexible hands-free scanning of the LS 9208. In addition, this scanner is equally at home in many receiving areas or offices that need high-performance scanning in a compact, reliable device. Multiple onboard interfaces, universal cabling and the 123Scan utility provide flexible host connectivity and easy set up and configuration to futureproof your investment.

To find out how your company can be more productive and speed customers through the checkout using the LS 9208 omnidirectional scanner, contact any of our convenient offices listed on the back panel or visit us at [www.symbol.com/barcode](http://www.symbol.com/barcode)

#### About Symbol

Symbol Technologies, Inc. (NYSE:SBL), founded in 1975, is a global leader in secure mobile information systems that integrate application-specific hand-held computers with wireless networks for data and voice and bar code data capture. Symbol products and services increase productivity and reduce costs for the world's leading retailers, logistics and transportation companies, government agencies, manufacturers and providers of healthcare, hospitality and security.



Features	Benefits
High-performance, rastering 100-line omnidirectional scan pattern	Provides "can't miss-first pass" scanning for increased productivity resulting in shorter checkout lines
Single line scan pattern	Perfect for reading bar code menus and pick lists
Multiple onboard interfaces (USB, RS-232, IBM 46XX, Keyboard Wedge, Wand Emulation and Synapse)	Flexible host connectivity futureproofs your hardware investment. Provides ease of migration to new POS systems
Small footprint/flexible mounting options	Fits into the tightest cash/wrap environments without taking up valuable selling space
Adjustable, multi-mount stand	Optimize operator comfort and efficiency on all types of merchandise with handsfree adjustable stand
Electrically erasable flash memory	Upgrade scanner software easily using a Windows-based programming tool
Checkpoint Electronic Article Surveillance (EAS) deactivation option	EAS deactivation antenna integrated into the LS 9208 saves valuable counter space
Supports 123Scan setup utility	Flexible setup using PC utility download, or by scanning a sequence of bar codes
Reads Reduced Space Symbology (RSS)	Compatible with this new symbology to leverage your hardware investment
Power from the POS terminal	Saves space and frees electrical outlets by using your host terminal as the power source

# LS 9208 Omnidirectional Scanner Specification Highlights

## Physical Characteristics

Dimensions:	5.51 in H x 3.49 in W x 2.96 in. D 14 cm H x 8.8 cm W x 7.5 cm D
Weight:	10 oz/283 g
Power Source:	Power drawn from Host terminal or external power supply; depends on Host type.
Voltage:	Omnidirectional: 5.0 VDC +/- 10%
Nominal Current:	Omnidirectional: 425 ma
Power:	Single Line: 2.2 Watts
Mounting Options:	Hands-free adjustable multi-mount stand
Color:	Cash Register White or Twilight Black

## Performance Characteristics

Light Source:	650 nm visible laser diode
Roll:	Omnidirectional: 360° Single scan line: +/- 35°
Pitch:	Omnidirectional: +/- 45° Single scan line: +/- 45°
Yaw:	Omnidirectional: +/- 35° Single scan line: +/- 35°
Print Contrast:	25% minimum reflective difference
Scan Patterns:	Omnidirectional: 20 interlocking lines, 5 scan angles, 4 lines per angle Single scan line capability
Scan Rate:	Omnidirectional: 1500 scans per second Single scan line: 75 scans per second
Depth of Field:	8 in./20.3 cm (100 % UPC/EAN)
Nominal Working Range:	5.5 mil: 0 to 3 in. /0 to 7.62 cm 13 mil: 100% UPC/EAN) 0 to 11 in./0 to 27.9 cm
Decode Capability:	UPC/EAN/JAN, Code 128, EAN 128, Code 39 Full ASCII, Interleaved 2 of 5, Codabar, NW7, UCC/EAN Reduced Space Symbolologies (RSS)
On-Board Interface Support:	Universal Serial Bus (USB), RS 232, IBM® 46XX, Keyboard Wedge, Wand and Synapse™ (allows connectivity to virtually every POS host type)

## User Environment

Operating Temperature:	32° to 104°F/0° to 40°C
Storage Temperature:	-40° to 140°F/-40° to 60°C
Humidity:	5% to 95% noncondensing
Drop Specifications:	Withstands multiple 4 ft/1.2 m drops to concrete
Ambient Light Immunity:	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, Incandescent, Mercury Vapor and Sodium Vapor: 450 ft-candles (4,842 LUX) Sunlight: 8,000 ft-candles (86,112 LUX)
EAS Support:	Optional Checkpoint Electronic Article Surveillance EAS

## Regulatory

Electrical Safety:	Certified to UL 1950, CSA C22.2 No. 950 EN60825
Laser Safety:	CDRH Class IIa Laser Product - Avoid Long-Term Viewing of Direct Laser Light IEC 60825 Class 1 Laser Product
EMC:	CISPR B, FCC B

## Warranty

The Symbol LS 9208 Omnidirectional scanner is warranted against defects in workmanship and materials for a period of 30 months (2 1/2 years) from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. The Mylar® scan element is covered by Symbol's limited lifetime warranty. The Mylar scan element consists of a Mylar strip, frame, mirror assembly and magnet. See the complete warranty for details.

**EN410 CE**

Specifications are subject to change without notice.

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For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.



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