

## SPECIFICATION SHEET

SYMBOL LS9208i  
Omni-directional presentation scanner

# Symbol LS9208i Specifications

### Small footprint

Fits into the tightest cash/wrap environment

### Adjustable multimount stand

Optimize operator comfort and efficiency

### Built-in shock absorption

Protects scan module assembly increasing durability

### Flash memory

Facilitates updates and customization of product in the field

### Checkpoint Electronic Article Surveillance (EAS) deactivation option

Integrated antenna saves valuable counter space

### Supports 123Scan setup utility

Flexible setup using PC download

### Reads GS1DataBar (formerly RSS)

**Symbologies**  
Compatibility with new symbology leverages your hardware investment

### Global Trade Item Number (GTIN) Compliant

Capable of decoding and transmitting 14-digit GTINs, where appropriate

### Advanced Data Formatting (ADF)

Enables users to modify data prior to sending to host computer, eliminating costly modifications to the host software

## Physical Characteristics

Dimensions: (without stand)	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
Dimensions: (w/ adjustable stand)	7.18 in. H x 4.83 in. W x 3.73 in. D 18.24 cm H x 12.27 cm W x 9.47 cm D
Weight:	Scanner only: 10.2 oz./320 g With adjustable stand: 21.5 oz./670 g
Power Source:	Depending on host: • Host power • External power supply
Voltage:	5.0 VDC $\pm$ 10%
Nominal Current:	390 mA
Power:	2 watts
Mounting Options:	Adjustable multi-mount stand
Color:	Cash Register White or Twilight Black

## Performance Characteristics

Light Source:	650 nm visible laser diode
Roll (Tilt) <sup>1</sup> :	Omni-directional: 360° Single-scan line: $\pm$ 40°
Pitch <sup>2</sup> :	Omni-directional: $\pm$ 50° Single-scan line: $\pm$ 60°
Skew (Yaw) <sup>3</sup> :	Omni-directional: $\pm$ 50° Single-scan line: $\pm$ 50°
Print Contrast:	25% minimum reflective difference
Scan Patterns:	Omni-directional: 20 interlocking lines, 4 scan angles, 4 lines per angle rastering @ 5 Hz Single scan line capability
Scan Rate:	Omni-directional: 1500 scans/second Single scan line: 75 scans/second
Depth of Field:	0 to 9 in./0 to 22.9 cm @13 mil (100% UPC/EAN)
Nominal Working Range:	See chart below
Width of Field:	1.6 in./40 mm @ face 6.7 in./170 mm @ 9 in.
Minimum Resolution:	4 mil
Decode Capability:	UPC/EAN/JAN, UPC/EAN w/ Supplementals, UCC/EAN128, Code 128, ISBT 128, Code 39, Trioptic Code 39, Interleaved 2 of 5, Discrete 2 of 5, Code 93, Code 11, Codabar, MSI, GS1 DataBar (formerly RSS)
Interfaces Supported:	USB, RS232, IBM® 468X/9X, Keyboard Wedge, Wand and Synapse™ (allows connectivity to virtually every POS host type)

## User Environment

Operating Temp.:	32° to 104° F/0° to 40° C
Storage Temp.:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% non-condensing
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 (4,844 lux) Sunlight: 8,000 ft-candles (86,111 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 IEC 60825 Class 1 Laser Product
EMC	CISPR B, FCC B

## Warranty

The Symbol LS9208i omni-directional scanner is warranted against defects in workmanship and materials for a period of 30 months from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. See the complete warranty for details.

- Roll (Tilt): Controlled by rotating the wrist clockwise or counter-clockwise
  - Pitch Controlled by dropping or raising the wrist
  - Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa
- The above performance characteristics refer to 100% UPC bar code at 80% contrast located at 4 in./10 cm from nose of the scanner.

## LS9208i Decode Zone

Label Density	Depth of Field	
	LS9208i	
Paper Label	English	Metric
4 mil - Code 39	1.0" - 2"	2.5 - 5.1cm
5 mil - Code 39	1.0" - 3"	2.5 - 7.6cm
7.8 mil - 60% UPC	0.0" - 6"	0.0 - 15.2cm
10.4 mil - 80% UPC	0.0" - 7"	0.0 - 17.8cm
13 mil - 100% UPC	0.0" - 8.5"	0.0 - 21.6cm



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