

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: <ul style="list-style-type: none">• 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) ¹ :	Omni-directional: 360° Single-scan line: \pm 40°
Pitch ² :	Omni-directional: \pm 50° Single-scan line: \pm 60°
Skew (Yaw) ³ :	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.

1. Roll (Tilt): Controlled by rotating the wrist clockwise or counter-clockwise

2. Pitch Controlled by dropping or raising the wrist

3. 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

Depth of Field		
Label Density	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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