

Symbol DS9808 Specifications

| Physical Characteristics | |
|--------------------------|--|
| Dimensions: | 8 in. (max) H x 5.4 in. L x 3.4 in. W 20.3 cm (max) H x 13.7 cm L x 8.6 cm W |
| Weight: | 12 oz./340 g |
| Voltage and Current: | Nominal (without optional RFID module): 5 ±10%VDC @ 450 mA Nominal (with optional RFID module): 5 ±10%VDC @ 1.2 A |
| Color: | Twilight Black |

| Performance Characteristics | |
|--|--|
| <i>Symbol DS9808-SR and Symbol DS9808-LR Imager Mode</i> | |
| Light Source: | Aiming Pattern: 650nm laser diode Illumination: 630nm LED |
| Imager Field of View: | 39° H x 25° V |
| Roll/Pitch/Yaw: | 360°, ±65°, ±60° |
| Swipe Speed : | Programmable up to 100 in./254 cm per second (Horizontal Read Rate) |

| <i>Symbol DS9808-LR Laser Scanner Mode</i> | |
|--|-----------------|
| Light Source: | 650nm LED |
| Scan Angle: | 40° ±3° nominal |

| Symbolology Decode Capability | |
|-------------------------------------|---|
| 1-D: | UPC/EAN (UPCA/UPCE/UPCE1/EAN-8/EAN-13/JAN-8/JAN-13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code), Code 39 (Standard, Full ASCII, Trioptic), Code 128 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/NW7, Code 11 (Standard, Matrix 2 of 5), MSI Plessey, 1 2 of 5 (Interleaved 2 of 5 / ITF, Discrete 2 of 5, IATA, Chinese 2 of 5), GS1 DataBar (Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked, Inverse), Base 32 (Italian Pharmacode) |
| PDF417 (and variants): | PDF417 (Standard, Macro), MicroPDF417 (Standard, Macro), Composite Codes (CC-A, CC-B, CC-C) |
| 2-D: | TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro) |
| Postal: | U.S. Postnet and Planet, U.K. Post, Japan Post, Australian Post, Netherlands KIX Code, Royal Mail 4 State Customer, UPU FICS 4 State Postal, USPS 4CB |
| Nominal Working Range (Handheld): | See chart on back. |
| Nominal Working Range (Hands free): | See chart on back. |
| Minimum Resolution: | Code 39 – 4 mil, UPC – 7.8 mil (60%), PDF417 – 5 mil, Datamatrix – 5 mil |

| Imaging Characteristics | |
|--------------------------|---|
| Graphics Format Support: | Images can be exported as Bitmap, JPEG or TIFF |
| Image Transfer Speed: | USB 2.0: Up to 12 Megabits/second RS-232: Up to 115 kb/second |
| Image Transfer Time: | Typical USB application is ~0.2 seconds with a compressed JPEG of 100kb |
| Image Quality: | 120 DPI on a 4 x 6 in./10.2 x 15.2 cm document @ 6.5 in./16.5 cm |

| User Environment | |
|-------------------------|---|
| Operating Temperature: | 32° to 104° F / 0° to 40° C |
| Humidity: | 5% to 95% RH (Non-Condensing) |
| Drop Specification: | Withstands multiple 5 ft./1.5m drops to concrete |
| Ambient Light Immunity: | Incandescent – 150 ft. candles (1,600 Lux) Sunlight – 8,000 ft. candles (86,000 Lux) Fluorescent – 150 ft. candles (1,600 Lux) Mercury Vapor – 150 ft. candles (1,600 Lux) Sodium Vapor – 150 ft. candles (1,600 Lux) Immune to normal or artificial light |

| Interfaces | |
|-----------------------|--|
| Interfaces Supported: | USB, RS-232, RS-485 (IBM 46xx Protocols), Keyboard Wedge |

| Regulatory | |
|----------------------------------|---|
| Electrical Safety: | UL6950-1, CSA C22.2 No. 60950-1, EN60950-1 / IEC60950-1 |
| Laser Safety: | EN 60825-1, IEC 60825-1, 21CFR1040.10, CDRH Class II, IEC Class 2 |
| EMI/RFI: | FCC Part 15 Class B, ICES-003 Class B, EN 55022, EN 55024 AS/NZS 4268:2008, Japan VCCI |
| Environmental: | Compliant with RoHS directive 2002/95/EEC |
| Options | |
| Electronic Article Surveillance: | Compatible with Checkpoint EAS deactivation systems |
| Accessories: | Wall Mount Bracket; RFID Module (available for Symbol DS9808-LR model only) — planned for H2 2009 |
| RFID Tags: | Gen2 UHF (With optional RFID module – for use on Symbol DS9808-LR model only – planned for H2 2009) |

| Warranty | |
|--|--|
| Subject to the terms of Motorola's hardware warranty statement, the Symbol DS9808 is warranted against defects in workmanship and materials for a period of 3 years from the date of shipment. For the complete Motorola hardware product warranty statement, go to: http://www.motorola.com/warranty | |

| Recommended Services | |
|----------------------|---|
| Customer Services: | Service from the Start Advance Exchange Support |

Multiple on-board interfaces; universal cable compatible

Easy to install; future proof design easily connects to the hosts of today and tomorrow

Extra loud beeper

Audible in the loudest environments

Extra large LED indicator

Clearly visible from all scanning positions

Rubberized handle

Provides workers with a comfortable, sure grip

Recessed connector in the base

Minimizes the scanner footprint

See charts on back...

PRELIMINARY SPECIFICATION SHEET

Symbol DS9808
Next-generation hybrid presentation imager

Nominal Working Range (Handheld):

Symbol DS9808-LR

| | |
|--------------------------|---------------------------|
| Code 39 – 5 mil: | 0 – 5.0 in (0 – 12.7 cm) |
| UPC/EAN – 10 mil (80%): | 0 – 13.5 in (0 – 34.3 cm) |
| UPC/EAN – 13 mil (100%): | 0 – 18 in (0 – 45.7 cm) |

Symbol DS9808-SR

| | |
|--------------------------|---------------------------|
| Code 39 – 5 mil: | 0 – 4.5 in (0 – 11.4 cm) |
| UPC/EAN – 10 mil (80%): | 0 – 8.5 in (0 – 21.6 cm) |
| UPC/EAN – 13 mil (100%): | 0 – 10.5 in (0 – 26.7 cm) |

Symbol DS9808-LR/Symbol DS9808-SR

| | |
|----------------------|--------------------------|
| PDF417 – 6.6 mil: | 0 – 5.0 in (0 – 12.7 cm) |
| Datamatrix – 10 mil: | 0 – 6.0 in (0 – 15.2 cm) |

Nominal Working Range (Hands-free):

Symbol DS9808-LR/Symbol DS9808-SR

| | |
|--------------------------|--------------------------|
| Code 39 – 5 mil: | 0 – 4.5 in (0 – 11.4 cm) |
| UPC/EAN – 10 mil (80%): | 0 – 7.0 in (0 – 17.8 cm) |
| UPC/EAN – 13 mil (100%): | 0 – 8.0 in (0 – 20.3 cm) |
| PDF417 – 6.6 mil: | 0 – 4.5 in (0 – 11.4 cm) |
| Datamatrix – 10 mil: | 0 – 4.5 in (0 – 11.4 cm) |

Note: The decode range in hands-free mode is programmable and can be limited to 6.5 inches (16.5 cm) for UPC/EAN – 13 mil bar codes, if desired.



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