

# AFFORDABLE NEXT GENERATION SCANNING TECHNOLOGY FOR TODAY'S MOBILE WORLD


## DS9208 SPECIFICATIONS PHYSICAL CHARACTERISTICS



<b>Dimensions</b>	5.512 in. H x 3.232 in. W x 3.150 in. D 14.0 cm H x 8.21 cm W x 8.0 cm D
<b>Weight</b>	9.5 oz./269 g
<b>Voltage and Current</b>	Idle: 5 ± 10% VDC @ 150ma average Scanning: 5 ± 10% VDC @ 230ma average
<b>Color</b>	Midnight Black

## SYMBOLGY DECODE CAPABILITY

<b>1D</b>	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 32 (Italian Pharmacode), Code 128 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/NW7, 2 of 5 (Interleaved 2 of 5, Discrete 2 of 5, IATA, Chinese 2 of 5, Matrix 2 of 5, Code 11), MSI Plessey, GS1 DataBar Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked)
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<p><b>PDF417 (and variants)</b></p>	<p>PDF417 (Standard, Macro), MicroPDF417(Standard, Macro), Composite Codes (CC-A,CC-B, CC-C)</p>
<p><b>2D</b></p>	<p>TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro)</p>
<p><b>Postal</b></p>	<p>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, Canadian Post (Postbar)</p>
<p><b>Nominal Working Range</b></p>	<p><b>Code 39 – 5 mil:</b> 0 – 4.5 in. (0 – 11.4 cm)</p> <p><b>UPC/EAN – 10 mil (80%):</b> 0 – 8.5 in. (0 – 21.6 cm)</p> <p><b>UPC/EAN – 13 mil (100%):</b> 0 – 10.5 in. (0 – 26.7 cm)</p> <p><b>PDF417 – 6.6 mil:</b> 0 – 3.8 in. (0 – 9.6 cm)</p> <p><b>Datamatrix – 10 mil:</b> 0 – 4.7 in. (0 – 11.9 cm)</p>
<p><b>Minimum Resolution</b></p>	<p>Code 39 – 4 mil</p> <p>UPC – 7.8 mil (60%)</p> <p>PDF417 – 5 mil</p> <p>Datamatrix – 7.5 mil</p> <p>QR Code – 7.5 mil</p> <div style="text-align: center;">  </div>

## USER ENVIRONMENT

<b>Operating Temp.</b>	32° F to 104° F / 0° to 40° C
<b>Drop Specs</b>	Withstands multiple 5 ft./1.5 m drops to concrete
<b>Humidity</b>	5% to 85% RH (non-condensing)
<b>Ambient Light Immunity</b>	Immune to natural and artificial ambient light (i.e. sunlight, incandescent, fluorescent, mercury vapor, sodium vapor)

## OPTIONS

<b>Electronic Article Surveillance</b>	Compatible with Checkpoint EAS deactivation systems
<b>Accessories</b>	Wall mount bracket; locking mount bracket

## PERFORMANCE CHARACTERISTICS

<b>Light Source</b>	Aiming pattern: single dot, 625nm LED Illumination: 630nm LEDs
<b>Imager Field of View</b>	46° Horizontal x 29.5° Vertical
<b>Roll</b>	360°
<b>Pitch</b>	± 65°
<b>Yaw</b>	± 60°

<b>Print Contrast</b>	25% minimum reflective difference
<b>Swipe Speed (Vertical Read Rate)</b>	Up to 90 in./2.3 m per second

## IMAGING CHARACTERISTICS

<b>Graphics Format Support</b>	Images can be exported as Bitmap, JPEG or TIFF
<b>Image Transfer Speed</b>	USB 2.0: Up to 12 Megabits/second RS-232: Up to 115 kb/second
<b>Image Transfer Time</b>	Typical USB application is ~0.2 seconds with a compressed JPEG of 100kb
<b>Image Quality</b>	120 PPI on a 4 x 6 in./10.2 x 15.2 cm document @ 4.7 in./11.9 cm

## INTERFACES

<b>Interfaces Supported</b>	USB
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## REGULATORY

<b>Electrical Safety</b>	UL6950-1, CSA C22.2 No. 60950-1:2nd ed., EN60950-1: 2nd ed. + A11: 2009 IEC60950-1: 2nd ed.
<b>LED Safety</b>	IEC / EN 60825-1: 2001 Class 1M LED, EN 62471: 2008 IEC 62471: 2006
<b>EMI/RFI</b>	FCC CFR47 Part 15 Class B: 2007, ICES-003 Issue 4 :2004 Class B,

	EN 55022: 2006 + A1: 2007, EN 55024: 1998 +A1: 2001 + A2: 2003 AS/NZS CISPR22:2006, VCCI:2007
<b>Environmental</b>	Compliant with RoHS Directive 2002/95/EC

## WARRANTY

Subject to the terms of Zebra’s hardware warranty statement, the DS9208 is warranted against defects in workmanship and materials for a period of 3 years from the date of shipment. For the complete Zebra hardware product warranty statement, go to: [www.zebra.com/warranty](http://www.zebra.com/warranty)

## RECOMMENDED SERVICES

<b>Support Services</b>	Service from the Start Advance Exchange Support
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### Ideal For These Applications:

- Retail
- Hospitality