PRODUCT SPEC SHEET
ZEBRA DS4308

ZEBRA DS4308

ANY BAR CODE. A NEW LEVEL OF PERFORMANCE. MORE VERSATILITY.

SCAN ANY 1-D OR 2-D BAR CODE FARTHER AND FASTER WITH NEXT GENERATION SCANNING TECHNOLOGY.

The DS4308 is a feature-rich next generation 2-D imager that resets the bar for scanning performance, scanning range, versatility and ease-of-use. Workers can capture virtually any bar code faster than ever, whether it is displayed on a smartphone, tablet or computer or printed on a label — even if it is scratched, damaged or dirty. Its small and lightweight design offers the ergonomics your workers need for all day comfort in the most scan intensive jobs. A variety of models meet a wide range of business needs — from the Point-of-Sale in a retail store to the light industrial manufacturing production line. Regardless of which model you choose, you get one powerful scanner that does the job of two. The Standard Range (SR) model offers an extraordinary range, eliminating the need to purchase separate standard and extended range scanners. The High Density (HD) model scans standard bar codes as well as the tiny, dense barcodes commonly found on jewelry tags, consumer electronics and electronic components — eliminating the need to purchase separate standard and high density specialty scanners. And driver's license parsing can be added to either model. The result? An extraordinary feature set and an extraordinary value.

PRZM Intelligent Imaging technology for next generation performance
Resets the bar for 2-D imaging by improving decode performance and snappiness, dramatically improving the user experience, user productivity, throughput and wait times.

Scan any bar code on any medium
Scans 1-D, 2-D and PDF417 bar codes printed on paper labels or displayed on mobile devices or computer screens.

Megapixel sensor for maximum data capture flexibility
Delivers the resolution required for longer-distance scanning, clear photos, sharp signatures and more accurate OCR data.

Largest "sweet spot" for can't-miss point-and-shoot scanning simplicity
With a decode range that allows users to scan any bar code type at any density nearer and farther than any other scanners in its class, scanning is truly second nature — users just point and shoot.

Omni-directional scanning
Enables true point-and-shoot scanning simplicity by eliminating the need to align bar code and scanner.

Durable design for superior uptime
Built to survive a 6 ft./1.83 m drop to concrete, the DS4308 delivers reliable operation, despite the inevitable everyday drops.

Adjustable beeper volume and frequency tone

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THE DS4308 IS AT HOME IN...

Retail
- Point-of-Sale (POS)
- Mobile loyalty
- Mobile coupons
- Driver's license parsing (DL model required)

Hospitality
- Mobile loyalty
- Mobile coupons
- Event check-in

Logistics
- Postal

Light Manufacturing: Electronic Components
- Error proofing
- Quality control

You get the flexibility to adjust beeper characteristics for your environment — from a quiet boutique store to a noisy light industrial manufacturing production line.

Superior out-of-box experience
Smart auto-host detect cables automatically determine which interface is attached, eliminating the need to scan numerous configuration bar codes. Over 90 international keyboards are hosted within the scanner for easy setup, all around the world.

Unsurpassed aiming technology
Crisp and bright aiming dot has the reach and brightness needed for long distance scanning - as well as picklist mode.

Easy on the eyes
Thanks to a special LED wavelength and recessed lighting, when a bar code is scanned, the light that is emitted is soft and unobtrusive, preventing eye fatigue and improving the environment for customers and workers.

Complimentary tools simplify and reduce the cost of everyday management
123Scan^2 and Scanner Management Service (SMS) work hand-in-hand to reduce management time and cost by automating initial configuration and enabling remote management of your DS4308 scanners.

GET NEXT GENERATION BAR CODE CAPTURE IN YOUR ENTERPRISE WITH THE DS4308.

For more information, visit **www.zebra.com/ds4308** or access our global contact directory at **www.zebra.com/contact**

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS

Dimensions	6.48 in. H x 3.86 in. L x 2.64 in. W (16.5 cm H x 9.8 cm L x 6.7 cm W)
Weight (w/o cable)	5.71 oz. / 162 g
Power	5 VDC ± 10% @ 360 mA (RMS typical)
Interfaces Supported	USB, RS232, Keyboard Wedge, RS485 (IBM 46xx) , SSI The scanner supports the following protocols over USB: HID Keyboard (default mode), SNAPI, IBM SurePOS (Yellowstone) (IBM Handheld, IBM Tabletop, OPOS), USB CDC, SSI over USB CDC, Toshiba TEC The scanner supports the following protocols over RS232: Standard, Wincor Nixdorf, ICL, Fujitsu, Olivetti, Omron and CUTE

SYMBOLOGY DECODE CAPABILITY

1-D	UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT

USER ENVIRONMENT

Operating Temp.	32° F to 122° F/0° C to 50° C
Storage Temp.	-40° F to 158° F/-40° C to 70° C
Humidity	5% to 95%, non-condensing
Drop Specification	Withstands multiple 6 ft./1.83 m drops to concrete
Ambient Light Immunity	Immune to normal indoor lighting up to 1600 Lux; immune to sunlight up to 86,000 Lux

PERFORMANCE CHARACTERISTICS

Light Source	Aiming pattern: 617 nm LED Illumination: 660 nm LEDs
Imager Field of View	36° (H) x 22.5° (V)
Roll Pitch Yaw	0 - 360° ± 65° or greater ± 60° or greater
Print Contrast	20% minimum reflective difference
Motion Tolerances	Up to 30 in. / 76.2 cm per second

REGULATORY

Electrical Safety	UL60950-1 2nd ed, CSA C22.2 No . 60950-1 2nd ed, EN60950-1/

	128, Code 39, Code 39 Full ASCII, Trioptic Code 39, Code 32, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI, Chinese 2 of 5, GS1 DataBar variants, Korean 3 of 5, ISBT Concat
2-D	PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, Maxicode, QR Code, MicroQR, Aztec, Han Xin
Postal	Australian Post, US PLANET, Royal Mail 4 State Customer, US POSTNET, KIX Code (Dutch), UK Postal, Japan Post, UPU 4 State Postal FICS (Post US4), USPS 4 State Postal (Post US3), Canadian Post (Postbar)
Minimum Resolution	**SR:** Code 39 4 mil, UPC 60% 7.8 mil, PDF417 5 mil, Datamatrix 7.5 mil **HD:** Code 39 3 mil, UPC 60% 7.8 mil, PDF417 4 mil, Datamatrix 5 mil

ACCESSORIES

Hands-Free Options	Gooseneck Intellistand
Power Supplies	Power supplies are available for applications that do not supply power over the host cable

	IEC60950-1 2nd ed.
LED Safety	IEC 62471:2006 and EN 62471: 2008
EMI/RFI	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN55024, Medical Electrical Equipment: EN60601-1-2
Environmental	Compliant with RoHS directive 2011/65/EU

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the DS4308 is warranted against defects in workmanship and materials for a period of 5 years from the date of shipment. For the complete Zebra hardware product warranty statement, go to http://www.zebra.com/warranty

RECOMMENDED SERVICES

Enjoy easy access to fast repair and expert support with Service from the Start; add “next business day” replacement with Advanced Exchange.

DECODE RANGES

SR FOCUS RANGE		TYPICAL WORKING RANGES	
Bar Code Type	**Symbol Density**	**Near**	**Far**
Code 39	3.0 mil	1.5 in. / 3.8 cm	5.4 in / 13.7 cm
Code 39	5.0 mil	0 in. / 0 cm	11.0 in / 27.9 cm
PDF417	6.6 mil	1.1 in. / 2.8 cm	8.0 in / 20.3 cm
UPC	13.0 mil	0 in. / 0 cm	28.0 in / 71.1 cm
Data Matrix	10.0 mil	2.0 in / 5.1 cm	9.0 in / 22.9 cm
Code 39	20.0 mil	0 in / 0 cm	53.0 in / 134.6 cm
QR	10.0 mil	1.1 in./2.8 cm	8.5 in./21.6 cm
QR	20.0 mil	0.9 in./2.3 cm	16.2 in./41.1 cm
HD FOCUS RANGE		**TYPICAL WORKING RANGES**	
Bar Code Type	**Symbol Density**	**Near**	**Far**
Code 128	3.0 mil	1.0 in / 2.5 cm	3.0 in / 7.6 cm
Code 39	3.0 mil	0.5 in / 1.3 cm	5.8 in / 14.6 cm

Code 39	5.0 mil	0.0 in / 0.0 cm	10.0 in / 25.4 cm
Micro PDF	4 mil	1.0 in /2.5 cm	4.7 in / 11.9 cm
PDF417	6.6 mil	0.2 in / 0.5 cm	7.8 in / 19.7 cm
UPC	13 mil	0 in / 0 cm	16.5 in / 41.9 cm
DataMatrix	5 mil	1.2 in / 3.0 cm	3.5 in / 8.9 cm
DataMatrix	7.5 mil	1.0 in / 2.5 cm	6.5 in / 16.5 cm
DataMatrix	10.0 mil	0.8 in / 1.9 cm	8.2 in / 20.8 cm
Code 39	20.0 mil	0 in / 0 cm	30.0 in / 76.2 cm
QR	10.0 mil	0 in / 0 cm	7.0 in / 17.8 cm
QR	20.0 mil	0.5 in / 1.3 cm	11.0 in / 27.9 cm

123Scan²
(Complimentary Management Tool)
Programs scanner parameters, upgrades firmware, provides scanned bar code data and prints reports.
http://www.zebra.com/123scan

Scanner Management Service (SMS)
(Complimentary Management Tool)
Remotely manages your Zebra scanner and queries its asset information.
http://www.zebra.com/sms

Scanner SDK
(Complimentary Management Tool)
Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code.
www.zebra.com/software

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