Zebra DS4308-XD

STREAMLINE AND ERRORPROOF THE MANUFACTURING PRODUCTION LINE WITH A NEW LEVEL OF SCANNING PERFORMANCE

In electronics manufacturing, the tracking of every component is crucial to product quality — it ensures that the right components are in each product, prevents the use of counterfeit components and enables rapid and targeted recalls to protect customer safety. In order to keep the production line moving, you need a scanner that can capture a wide variety of barcodes printed on a wide variety of surfaces with lightning speed, every time. Introducing the Zebra DS4308-XD, the scanner that is built for your production line. Loaded with advanced scanning technology, the DS4308-XD has what it takes to capture 1D, 2D and direct marks printed on circuit boards and other components — from near contact to as far as six inches away*. You get the industry's largest "sweet spot", making barcode capture easier than ever. Our superior aiming technology makes accurate aim easy for the tiniest and densest barcodes. The ability to also scan standard barcodes printed on paper labels delivers outstanding value — you get a scanner that can do double duty on and off the production line. And our industry-best complimentary tools bring a new level of simplicity to staging, upgrading and troubleshooting your devices, minimizing the time and cost of everyday management.

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

High resolution optical lens for superior scanning of tiny dense codes
Reads very high density codes faster and closer — including codes that are a half inch or less at near contact.

Haptic feedback — ideal for noisy production lines
Out on the manufacturing floor, the traditional beep tone can be hard to hear — that's why we integrated haptic (vibration) feedback into the DS4308-XD. With vibration feedback, workers instantly know that they are about to utilize the right component — no re-scanning and no impact on production cycle times.

Scan any barcode on any medium
Scan 1D, 2D and PDF417 barcodes printed on plastic and metal electronic subcomponents such as PCB boards, memory chips and more. Also captures direct marks printed on non-reflective surfaces, plus barcodes in virtually any condition printed on paper labels.

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

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

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

Adjustable beeper volume and frequency tone
Whether you prefer to use vibration and the beeper or just the vibration in quieter environments, with the DS4308-XD, you get the flexibility to adjust beeper volume as well as the beeper tone.

Superior out-of-box experience
Smart auto-host detect cables automatically determine which interface is attached, eliminating the need to scan numerous configuration barcodes. 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 near field scanning — as well as picklist mode.

Complimentary tools simplify and reduce the cost of everyday management
123Scan2 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.

REDUCE CYCLE TIMES AND IMPROVE PRODUCT QUALITY WITH THE DS4308-XD.

FOR MORE INFORMATION, VISIT **WWW.ZEBRA.COM/DS4308XD**
OR ACCESS OUR GLOBAL CONTACT DIRECTORY AT **WWW.ZEBRA.COM/CONTACT**

Zebra DS4308-XD Specifications Chart

PHYSICAL CHARACTERISTICS

Dimensions	6.5 in. H x 3.9 in. L x 2.6 in. W 16.5 cm H x 9.8 cm L x 6.7 cm W
Weight (w/o cable)	5.71 oz. / 161.9 g
Power	5 VDC ± 10% @ 360 mA (RMS typical)
Color	Twilight Black
Interfaces Supported	USB, RS232, Keyboard Wedge, TGCS (IBM) 46XX over RS485
User Indicators	Green LED on good decode; pager motor (for haptic feedback)

PERFORMANCE CHARACTERISTICS

Illumination	Aiming pattern: 617 nm LED Illumination: 660 nm LEDs
Imager Field of View	23.3° (H) x 14.7° (V)
Print Contrast	20% minimum reflective difference
Roll Pitch Skew	0 - 360° ± 65° or greater ± 60° or greater

SYMBOLOGY DECODE CAPABILITY

1D	Code 39, Code 128, Code 93, Codabar/NW7, Code 11, MSI Plessey, UPC/EAN, I 2 of 5, Korean 3 of 5, GS1 DataBar, Base 32 (Italian Pharma)
2D	PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Postal Codes NOTE: Refer to Product Reference Guide for complete list of symbologies.
Minimum Resolution	Code 39: 2 mil; Code 128: 2 mil; DataMatrix: 3 mil

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
Tumble Specification	2,000 tumbles @ 1.6 ft./0.5 m
Environmental Sealing	IP42
Ambient Light Immunity	Immune to normal indoor lighting up to 1600 Lux; immune to sunlight up to 86,000 Lux

* Read range is dependent on the size and type of the barcode.

UTILITIES AND MANAGEMENT

123Scan[2]	Programs scanner parameters, upgrades firmware, provides scanned barcode data and prints reports. www.zebra.com/123Scan
Scanner SDK	Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code. www.zebra.com/windowsSDK
Scanner Management Service (SMS)	Remotely manages your Zebra scanner and queries its asset information.www.zebra.com/sms

ACCESSORIES

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

REGULATORY

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

Zebra *OneCare*

DECODE RANGES

Barcode Type	Symbol Density	Near	Far
Code 39	2 mil	0.5 in./1.27 cm	3.0 in /7.62 cm
Code 39	3 mil	0.2 in./05 cm	3.8 in./9.65 cm
Code 39	5 mil	0.1 in./0.25 cm	4.7 in./11.94 cm
Code 128	2 mil	0.6 in./1.52 cm	3.0 in./7.62 cm
Code 128	3 mil	0.4 in./1.02 cm	3.3 in./8.34 cm
Data Matrix	4 mil	0.7 in. / 1.8 cm	3.0 in /7.62 cm
Data Matrix	5 mil	0.4 in. /1.02 cm	3.4 in /8.64 cm
Datamatrix	10 mil	0.1 in./0.25 cm	4.6 in./11.68 cm
QR Code	10 mil	Contact (0 in./0 cm)	4.5 in./11.43 cm
PDF417	4 mil	0.5 in./1.27 cm	3.3 in./8.34 cm
PDF417	5 mil	0.1 in./0.25 cm	3.6 in./9.14 cm
PDF417	6.67 mil	0.1 in./0.25 cm	4.1 in./10.41 cm

THE DS4308-XD IS AT HOME IN...

Light Manufacturing/ Quality Control

- Sub-components
- Electronics
- Automotive
- Aerospace
- Medical equipment

Applications

- Product quality and error proofing: ensures the right components are used in each product
- Component track and trace: enables rapid/ targeted recalls
- Counterfeit prevention: ensures only genuine components are used

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