

FEATURES Innovative hybrid desig

Truly designed for ease of use for both hands-free and handheld scanning; dynamically switches between modes

Multiple technologies, one device

The DS9808-R supports several technologies eliminating the need to purchase and maintain multiple devices. A single device supports a wide range of data capture applications including reading and writing* of RFID tags, decoding 1D, 2D and PDF417 symbologies and capturing images.

Omni-directional bar code scanning; wide working range, laser aiming pattern

Easy to use; no need to align item and scanner; virtually no training require

Withstands multiple 4 ft./1.2 m drops to concrete

Designed to endure the rigors of everyday use for maximum reliability, uptime and a low total cost of ownership

Swipe speed programmable up to 100 inches/254 cm per second

Optimized scanning speed delivers robust performance and accurate capture of a wide variety of bar codes

Maximum flexibility and control

ZEBRA DS9808-R

NEXT-GENERATION HYBRID PRESENTATION IMAGER WITH INTEGRATED RFID

DEPLOY THE BEST OF ALL WORLDS FOR A TRULY FUTURE-PROOF AND COST- EFFECTIVE POS.

Zebra's DS9808-R is the first combination 1D/2D bar code scanner and RFID reader and the first combination handheld/hands-free UHF RFID reader. Its revolutionary imaging engine enables the capture of 1D and 2D bar codes as well as images and signatures, with record swipe speeds on both 1D and 2D bar codes. In addition, the read range for RFID tags can be adjusted to suit the environment. For example, the RFID read range in presentation mode can be decreased to prevent inadvertent reading of RFID tags in a nearby cash-wrap, while the range in handheld (triggered) mode can be increased to read RFID tags that are further away. The DS9808-R offers the flexibility to accommodate virtually any type of data capture application, including support for: 1D and 2D paper and mobile bar codes, mobile coupons, mobile loyalty cards, mobile boarding passes, PDF417 bar codes, reading/writing* RFID tags

REALIZE THE BENEFITS OF ITEM-LEVEL RFID WITH THE LAST LINK IN THE RFID CHAIN

The DS9808-R complements Zebra's RFID portfolio, allowing retailers to implement RFID from the receiving dock to the POS. Retailers can realize the benefits of real-time item-level inventory visibility, including: timely re-ordering to eliminate out-of-stocks and associated lost sales, increased inventory turns and reduced inventory carrying costs, real-time trending analysis for better purchasing decisions, timely replenishment of your shelves with minimal human intervention.

RICH BEST-IN-CLASS RFID FUNCTIONALITY AT THE POS

The comprehensive RFID feature set enables retailers to maximize the value of RFID technology in the store. In addition to reading tags to complete purchases, capabilities include: Commission tags on new inventory items and returned goods. Built-in filtering prevents accidental multiple entries of the same tag - Associates will hear a single beep as the tag data is captured and entered into the transaction, just as if a bar code was scanned, providing associates with a familiar and intuitive process that eliminates the need for training. Special RFID data conversion software for on-the-fly translation of the RFID EPC tag data to UPC bar code data. A pilot test or full RFID solution can be implemented quickly, easily and cost-effectively into any existing retail technology environment.

MAXIMUM EASE OF USE FOR MAXIMUM THROUGHPUT

The DS9808-R allows associates to instantly switch scanning modes. Switching from hands-free presentation style scanning to handheld mode is as easy as picking up the device. The unique tri-function trigger design enables retailers to assign up to three specific functionalities in the same trigger. For example, the upper and lower triggers could activate the bar code reader and pressing both triggers together could activate the RFID reader.

MULTIPLE FUNCTIONS ON A SINGLE DEVICE OFFERS RAPID RETURN ON INVESTMENT (ROI)

With the flexible DS9808-R, there is no need to purchase multiple devices to support different types of data capture in your enterprise. The DS9808-R provides the functionality of an RFID reader/writer, an image capture device and a bar code scanner all in a single device. Capital and operational costs are significantly reduced, there are fewer devices to purchase and manage.

For more information on the DS9808-R hybrid presentation imager, please visit us on the web at www.zebra.com/ds9808-R or access our global contact directory at www.zebra.com/contact

SPECIFICATIONS CHART

| r Mode Source r Field of View tch/Yaw Speed | Aiming Pattern: 650nm laser diode Illumination: 630nm LED 39° H x 25° V 360°, ±65°, ±60° Programmable up to 100 in./ 254 cm per second (Horizontal Read Rate) Up to 60 frames per second 8LL** Laser Scanner Mode 650nm LED 40° ±3° nominal |
|---|--|
| r Field of View tch/Yaw Speed Rate 8LR and DS9808 Source | diode Illumination: 630nm LED 39° H x 25° V 360°, ±65°, ±60° Programmable up to 100 in./ 254 cm per second (Horizontal Read Rate) Up to 60 frames per second 8LL** Laser Scanner Mode 650nm LED |
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| Speed Rate 8LR and DS9808 Source | Programmable up to 100 in./ 254 cm per second (Horizontal Read Rate) Up to 60 frames per second BLL** Laser Scanner Mode 650nm LED |
| Rate 8LR and DS9808 Source | 254 cm per second (Horizontal Read Rate) Up to 60 frames per second BLL** Laser Scanner Mode 650nm LED |
| 8LR and DS9808 Source Angle | BLL** Laser Scanner Mode 650nm LED |
| Source | 650nm LED |
| Angle | |
| | 40° ±3° nominal |
| lable in the US o | |
| | only. |
|) | |
| ency | 902 - 928 MHz: U.S., Canada, Mexico, Columbia El Salvador, Guatemala 865.6 - 867.6 MHz: |
| Austria, Belgium, Bu Czech Republic, De , Finland, France, G Greece, Hungary, Ic Italy, Latvia, Liechte | |
| | Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweder , Switzerland, United Kingdom, 902 - 907.5 MHz / 915 - 928 MHz: |
| 865 - 868 MHz / 920 - 925 MHz: Hong Kong, Singapore | |
| | |
| | |

Independent RFID antenna power level controls for both hands-free and handheld operation help avoid inadvertent RFID tag reads; triggered operation in handheld mode offers unmatched control for reading RFID tags at the POS

Integrated compact base

Requires very little real estate, enabling easy deployment in even the most space constrained cash wraps

| IMAGING CHARA | CTERISTICS |
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|---------------|------------|

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| Graphics Format Support | Images can be exported as Bitmap , JPEG or TIFF | Read Range/RF Adjustable from near contact up Power 40 inches/1 m depending on tag | | |
| Image Transfer Speed | USB 2.0: Up to 12 Megabits/ second | | sensitivity and orientation | |
| | RS-232: Up to 115 kb/second | USER ENVIRONMENT | | |
| Image Transfer Time | Typical USB application is ~0.2 seconds with a compressed JPEG of 100kb | Operating Temp. | 32° to 104° F /0° to 40° C | |
| | | Humidity | 5% to 95% RH (Non-Condensing) | |
| Image Quality | 120 DPI on a 4 x 6 in./10.2 x 15.2 cm document @ 6.5 in./16.5 cm | Drop Specification | Withstands multiple 4 ft./1.2 m drops to concrete | |
| | | Ambient Light Immunity | Incandescent – 150 ft. candles (1,600 Lux) | |
| INTERFACES | | - | Sunlight – 8,000 ft. candles (86,000 Lux) | |
| Interfaces | USB, RS-232, RS-485* (Port 9B, | | | |
| Supported | Port 5B) (*Tag "write" commands are not | | Fluorescent – 150 ft. candles (1,600 Lux) | |
| | supported via RS-485) | | Mercury Vapor – 150 ft. candles (| |
| | , | | 1,600 Lux) | |
| MADDANTY | | - | Sodium Vapor – 150 ft. candles (| |
| WARRANTY | | - | 1,600 Lux) Immune to normal or artificial light | |
| • | of Zebra's hardware warranty B is warranted against defects in | | nane to normal or artificial light | |
| , | terials for a period of 3 years from | DECIII ATORY | | |
| - | For the complete Zebra hardware | REGULATORY | | |
| product warranty statement, go to: http://www.zebra.com/warranty | | Electrical Safety | UL60950-1; CSA C22.2 No. 60950 -1; IEC60950-1 | |
| | | Laser Safety | IEC 60825-1; 21CFR1040.10; CDRH Class II; IEC Class 2 | |
| PRODUCT AVAILABILITY | | EMI/RFI | • | |
| - | Austria, Belgium, Brazil, Bulgaria, /prus, Czech Republic, Denmark, El | EWII/KFI | FCC Part 15 Class B; Canada RSS-210; ICES-003 Class B | |
| | lland, France, Germany, Greece, | RF Exposure | FCC 47CFR Part 2, OET Bulletin | |
| Customala Hannikan | | Kr Exposure | 1 CC 47 Cl IX Falt 2, OL I Dulletill | |
| _ | g, Hungary, Iceland, Ireland, Italy, | | 65 Supplement C | |
| Latvia, Liechtenstein, | Lithuania, Luxembourg, Malta, | Environmental | | |
| Latvia, Liechtenstein, Mexico, Netherlands, | | Environmental | 65 Supplement C Compliant with RoHS directive 2002/95/EEC | |
| Latvia, Liechtenstein, Mexico, Netherlands, , Singapore, Slovak Ro Switzerland, United Ki | Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania epublic, Slovenia, Spain, Sweden, ingdom, United States. Other | | Compliant with RoHS directive 2002/95/EEC | |
| Latvia, Liechtenstein, Mexico, Netherlands, , Singapore, Slovak Ro Switzerland, United Ki countries are pending | Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania epublic, Slovenia, Spain, Sweden, | Environmental Regulatory Model Numbers | Compliant with RoHS directive | |
| Latvia, Liechtenstein, Mexico, Netherlands, , Singapore, Slovak Ro Switzerland, United Ki countries are pending representative for ava | Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania epublic, Slovenia, Spain, Sweden, ingdom, United States. Other p. Please contact your local Zebra illability in your region. | Regulatory Model | Compliant with RoHS directive 2002/95/EEC DS9808-RUS – US Version DS9808-RWW – Worldwide (Non-US) version | |
| Latvia, Liechtenstein, Mexico, Netherlands, I, Singapore, Slovak Roswitzerland, United Ki countries are pending representative for ava | Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania epublic, Slovenia, Spain, Sweden, ingdom, United States. Other j. Please contact your local Zebra illability in your region. KING RANGE (| Regulatory Model Numbers | Compliant with RoHS directive 2002/95/EEC DS9808-RUS – US Version DS9808-RWW – Worldwide (Non-US) version | |
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| Latvia, Liechtenstein, Mexico, Netherlands, , Singapore, Slovak Re Switzerland, United Ki countries are pending representative for ava NOMINAL WOR HANDS-FREE): DS9808-SR, DS9808-L | Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania epublic, Slovenia, Spain, Sweden, ingdom, United States. Other j. Please contact your local Zebra illability in your region. KING RANGE (| Regulatory Model Numbers RECOMMENDE Customer Services | Compliant with RoHS directive 2002/95/EEC DS9808-RUS – US Version DS9808-RWW – Worldwide (Non-US) version DSERVICES Service from the Start Advance Exchange Support | |
| Latvia, Liechtenstein, Mexico, Netherlands, , Singapore, Slovak Re Switzerland, United Ki countries are pending representative for ava NOMINAL WOR HANDS-FREE): DS9808-SR, DS9808-L ** | Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania epublic, Slovenia, Spain, Sweden, ingdom, United States. Other J. Please contact your local Zebra iilability in your region. KING RANGE (R, DS9808-DL** and DS9808-LL | Regulatory Model Numbers RECOMMENDE Customer Services NOMINAL WOR HANDHELD): | Compliant with RoHS directive 2002/95/EEC DS9808-RUS – US Version DS9808-RWW – Worldwide (Non-US) version ED SERVICES Service from the Start Advance Exchange Support | |
| Latvia, Liechtenstein, Mexico, Netherlands, , Singapore, Slovak Re Switzerland, United Ki countries are pending representative for ava NOMINAL WOR HANDS-FREE): DS9808-SR, DS9808-L ** Code 39 – 5 mil: UPC/EAN – 10 mil (| Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania epublic, Slovenia, Spain, Sweden, ingdom, United States. Other J. Please contact your local Zebra iilability in your region. KING RANGE (R, DS9808-DL** and DS9808-LL 0 – 4.5 in. (0 – 11.4 cm) | Regulatory Model Numbers RECOMMENDE Customer Services | Compliant with RoHS directive 2002/95/EEC DS9808-RUS – US Version DS9808-RWW – Worldwide (Non-US) version ED SERVICES Service from the Start Advance Exchange Support | |
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| Latvia, Liechtenstein, Mexico, Netherlands, I, Singapore, Slovak Roswitzerland, United Ki countries are pending representative for ava NOMINAL WOR HANDS-FREE): DS9808-SR, DS9808-L ** Code 39 – 5 mil: UPC/EAN – 10 mil (80%): UPC/EAN – 13 mil (100%): | Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania epublic, Slovenia, Spain, Sweden, ingdom, United States. Other J. Please contact your local Zebra iilability in your region. KING RANGE (R. DS9808-DL** and DS9808-LL 0 - 4.5 in. (0 - 11.4 cm) 0 - 7.0 in. (0 - 17.8 cm) 0 - 8.0 in. (0 - 20.3 cm) | Regulatory Model Numbers RECOMMENDE Customer Services NOMINAL WOR HANDHELD): DS9808-LR and DS98 Code 39 – 5 mil: | Compliant with RoHS directive 2002/95/EEC DS9808-RUS – US Version DS9808-RWW – Worldwide (Non-US) version DSERVICES Service from the Start Advance Exchange Support EKING RANGE (08-LL** 0 – 5.0 in. (0 – 12.7 cm) | |

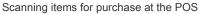
DS9808-SR and DS9808-DL**

| 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) | |
| DS9808-SR, DS9808-LR, DS9808-DL** and DS9808-DL ** | | |
| PDF417 – 6.6 mil: | 0 – 5.0 in. (0 – 12.7 cm) | |
| Datamatrix – 10 mil: | 0 - 6.0 in. (0 - 15.2 cm) | |
| | | |

^{**} Available in the US only.

ONE MULTI-FUNCTION SCANNER...MANY USES

The DS9808-R can be utilized in many different industries and many different applications, including: RETAIL



Beyond POS: Price checking, new inventory commission, separated inventory identification (e.g. fitting rooms), and returns processing

RFID serialization protects against return attempts on items that were not purchased as well as items that were purchased at competing chains

Commission RFID tags at point of manufacture or for stocking in store-level deployments Back-room price checking

Return To Vendor (RTV) applications (old, damaged, mismatched product going back for credit)

ASSET MANAGEMENT

Commissioning assets into an RFID Asset Management application

HOSPITALITY/LOYALTY

Membership Identification

GOVERNMENT/TRANSPORTATION

Proof of Identity

HEALTHCARE

Medication check-in, receiving or dispensation

PHARMACIES

Check-in, receiving or dispensation at bottom-level, box level or item level RFID-tagged drugs and medication

LIBRARIES

Check-in, self checkout and auto-sorting

LAW, INSURANCE AND GENERAL OFFICE ENVIRONMENTS:

ENTERPRISE FILE/DOCUMENT TRACKING

Real-time tracking of files and folders on desks and in boxes, containers, or reusable totes

Cost-effective archiving and timely access/inquiries

Compliance with regulatory requirements

Automate monitoring of check-out time limitations and delinquent returns

Automated alerts for unauthorized access

ZEBRA

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