DS9300 Series

The little presentation scanner with big functionality

From convenience and drug stores to quick serve restaurants and other retail environments — counterspace is limited, bumps and spills may be an everyday occurrence, and the need for high customer satisfaction is always critical. Introducing the DS9300 Series, the presentation scanner that fits anywhere, scans everything, and is built for all-day reliability. You get a compact form factor coupled with stylish aesthetics ideal for trendy boutiques or convenience stores with limited real-estate at the checkout counter. With the ability to scan challenging barcodes at your point of sale, you get unmatched performance for speedier checkout times and happier customers, along with a design that is built to handle everyday drops, bumps and spills to keep you up and running. The DS9300 Series — the little presentation scanner with big functionality.

Innovation-driven design and performance

A fit-everywhere modern design with a near-zero footprint

The new design of the DS9300 Series is at home everywhere, from the trendiest boutique to a petroleum convenience store. With a near-zero footprint, there's always room for the DS9300 Series, no matter how space-constrained your counters may be. And the 45° angle cable connector reduces the already tiny footprint, even when the scanner is tilted forward.

Scan it all — with virtually no exceptions

Quickly and easily capture 1D and 2D barcodes, including tiny, high density codes, codes printed on a label or displayed on a phone, DotCode and dotted DataMatrix codes through cellophane, as well as new invisible Digimarc codes. Zebra's DS9300 Series' state-of-the-art technology captures barcodes in virtually any condition, on any media. The 800 MHz microprocessor, high-resolution megapixel sensor and Zebra's exclusive PRZM Intelligent Imaging technology work together to easily capture poorly printed, damaged, crinkled, faded, truncated and low contrast barcodes. The curved exit window helps minimize stray light, reducing reflections from barcodes printed on glossy paper or displayed on a screen that can blind the sensor.

Rapid-fire can't-miss scanning

When it comes to ease of use, the DS9300 Series outshines the competition. With swipe speeds that are up to 50% faster than competitive scanners, the DS9300 Series can capture barcodes as fast as they are presented. And the largest field of view in this class eliminates the need to move items around to find the "sweet spot".

Intelligent adaptive illumination

The LEDs dynamically adapt to the environment, automatically dimming when not in use and activated when a barcode is present. The LEDs are also recessed and virtually invisible, reducing eye annoyance.

Instantly capture and process driver's license data

Use the information on a driver's license to instantly verify age, populate loyalty and credit card applications and monitor returns to prevent fraud.

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For more information, visit www.zebra.com/ds9300

Eliminate paper with document capture

With Intelligent Document Capture, the DS9300 Series can turn prescriptions, passports, checks and other A6 or smaller documents into clear and easy-to-read electronic images — the smart software automatically corrects lighting issues and more to ensure optimum document clarity. There's no need to locate and scan documents on a separate scanner, enabling faster checkout and a better customer experience at the POS.

Automatically deactivate anti-theft tags

Support for Checkpoint Electronic Article Surveillance (EAS) eliminates a step at the POS for faster checkout — a single pass in front of the DS9300 Series captures barcodes and deactivates tags.

Capture multiple barcodes with one press of the scan trigger

With Multi-Code Data Formatting (MDF), the DS9300 Series can capture multiple barcodes with a single scan and transmit only the barcodes you need, in the order your application expects.

Single out one barcode from many

With Zebra's Preferred Symbol, the DS9300 Series can capture and output only the preferred barcode, so associates no longer have to waste time physically covering nearby barcodes before scanning.

Ensure feedback is always visible and audible

You can adjust the volume, frequency and duration of the beeper to ensure your associates can hear the tone that signals a successful scan. And the bright green "good decode" LED is visible no matter where your associates are standing — in front of or behind the scanner.

Maximum durability, maximum reliability

Drops, dust and spills — no problem

The DS9300 Series is built to handle 5 ft./1.5 m drops to concrete and 1,000 consecutive 1.5 ft./0.5 m tumbles, ready to survive the knocks and bumps that can happen in the real-world. And spills and dust won't slow the DS9300 Series down. Thanks to IP52 sealing and a patent-pending opto-mechanical layout that includes a concealed beeper hole with elevated circuitry and cable connector, even the base is spill proof.

A multi-position base that won't wear out

The flexible ratcheting base offers four positions, from 15° back to 45° forward. This frictionless system won't wear out like those used in competitive devices, ensuring convenient positioning for maximum flexibility, every day the DS9300 Series is in service.

Easy to deploy, easy to manage

Backwards compatibility with DS9208 cables and power supplies

Upgrade to the DS9300 Series to get all the advantages of today's advanced scanning technologies in your business — cost-effectively.

Plug-and-play instant deployment

Get up and running right out of the box with optimized default configuration settings, auto-host detect cables that instantly connect to all popular interfaces and keyboard support for nearly 100 languages.

Multiple mounting options for a wide variety of applications

The "slipper" style multi-mount accessory keeps the scanner in place on a table or wall without restricting the tilt range or the ability to remove the scanner for handheld use — ideal for price checking, pick and pack and more. The locking-mount accessory is ideal for applications where the scanner should not be removed, for example, in customer facing applications such as self checkout and mobile loyalty.

DataCapture DNA™ delivers unsurpassed value

Only from Zebra, this unique collection of value-add tools makes it easier to deploy, update, troubleshoot, manage and develop applications for your DS9300 Series scanners. For example, 123Scan creates a single barcode to initially stage or update scanners. Develop and deploy applications faster and easier than ever with the Scanner SDK. ScanSpeed Analytics makes it easy to spot and correct issues before they impact performance and worker productivity. And you can remotely manage your scanners through Scanner Management Service (SMS) or Windows Management Instrumentation (WMI), eliminating the time and cost for onsite visits.

Specifications

Physical Characteristics

Dimensions	5.7 in. H x 3.4 in. W x 3.3 in. D 14.5 cm. H x 8.6 cm. W x 8.3 cm. D
Weight	11.2 oz. / 318.0 g
Input Voltage Range	4.5 to 5.5 VDC host powered; 4.5 to 5.5 VDC external power supply
Operating Current at Nominal Voltage (5.0V)	Presentation mode: 335mA Trigger mode: 350mA
Standby Current (Idle) at Nominal Voltage (5.0V)	Presentation mode: 135mA Trigger mode: 75mA
Color	Alpine White, Midnight Black
Supported Host Interfaces	USB Certified, RS232, Keyboard Wedge, TGCS (IBM) 46XX over RS485
Keyboard Support	Supports over 90 international keyboards
TAA Compliance	Trade Agreement Act Compliant (optional on select configurations)
Electronic Article Surveillance	Compatible with Checkpoint EAS deactivation system
User Indicators	Good decode LEDs, rear view LEDs, beeper (Adjustable tone and volume)

Performance Characteristics

Swipe Speed (Presentation)	Up to 120 in./305 cm. per second for 13 mil UPC in optimized mode
Light Source	Aiming pattern: circular 617 nm amber LED
Illumination	660 nm Hyper Red LED
Imager Field of View	52° H x 33° V nominal
Image Sensor	1280 x 800 pixels
Minimum Print Contrast	15%
Skew Tolerance	+/-60°
Pitch Tolerance	+/-60°
Roll Tolerance	360°

Imaging Characteristics

Graphics Format Support	Images can be exported as bitmap, JPEG or TIFF
Image Quality	109 PPI on a 4.1 in. x 5.8 in./A6 sized document

User Environment

Operating Temperature	32.0° F to 122.0° F / 0.0° C to 50.0° C
Storage Temperature	-40.0° F to 158.0° F / -40.0° C to 70.0° C

Regulatory

Environmental	EN 50581:2012 RoHS 2011/65/EU (2015/863) - EN 50581:2012, IEC 63000 REACH 1907/2006
Electrical Safety	IEC 62368-1 2nd ed. EN 62368-1:2014/AC:2015 UL/IEC 60950-1, 2nd ed. CAN/CSA C22.2 No.60950-1, 2nd ed.
LED Safety	IEC 62471:2006 (Ed.1.0) EN 62471:2008 (LED)
EMI/RFI	FCC 47 CFR Part 15B, ICES-003, EN55032, EN55024, EN55035, VCCI, and SABS

Accessories

Multi-mount bracket, locking-mount bracket

Symbol Decode Capability[1]

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, Han Xin, Postal Codes, securPharm, DotCode, Dotted DataMatrix
OCR	OCR-A, OCR-B, MICR, US currency
Digimarc	Available on specific models only
Minimum Element Resolution	Code 39: 3 mil; Code 128: 3 mil; Data Matrix: 5 mil; QR Code: 5 mil

Decode Ranges (Typical)[2]

Symbology/Resolution	Near/Far
Code 39: 3 mil	0 in./0 cm — 2.5 in./6.35 cm
Code 39: 5 mil	0 in./0 cm — 5.0 in./12.7 cm
Code 39: 20 mil	0 in./0 cm — 11.0 in./27.9 cm
Code 128: 3 mil	0 in./0 cm — 2.0 in./5.1 cm
Code 128: 5 mil	0 in./0 cm — 4.0 in./10.2 cm
PDF 417: 6.7 mil	0 in./0 cm — 4.0 in./10.2 cm
UPC: 13 mil (100%)	0 in./0 cm — 8.8 in./22.4 cm
Data Matrix: 10 mil	0 in./0 cm — 4.5 in. /11.4 cm
QR: 20 mil	0 in./0 cm — 7.5 in./19.1 cm

Markets and Applications

Retail

• Point of sale (1D/2D)
• Mobile coupons/loyalty (eCoupons/eLoyalty)
• Driver's License parsing for age verification/loyalty and credit applications (North America only)
• Cigarette and liquor tax verification
• Checkpoint EAS

Hospitality

• Point of sale (1D/2D)
• Mobile coupons/loyalty (eCoupons/eLoyalty)
• Concession stands
• Ticket processing (paper/mobile, 1D/2D)

Transportation

• Point of sale (1D/2D)
• Ticket processing (paper/mobile, 1D/2D)
• Gate/business lounge check-in (paper mobile boarding passes)
• Driver's License parsing (Department of Motor Vehicles — North America only)

User Environment

Humidity	5% to 95% RH, non-condensing
Drop Specification	Designed to withstand multiple drops at 5.0 ft. / 1.5 m to concrete
Tumble Specification	Designed to withstand 1,000 tumbles in 1.5 ft. /0.5 m tumbler
Environmental Sealing	IP52
Electrostatic Discharge (ESD)	ESD per EN61000-4-2, +/-15 KV Air, +/-8 KV indirect
Ambient Light Immunity	0 to 10,000 foot-candles/0 to 107,700 Lux

Warranty

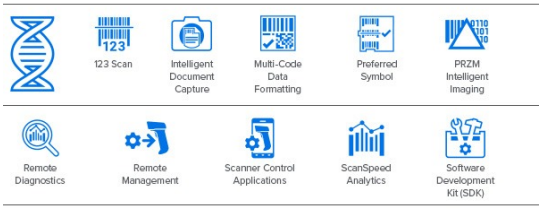
Subject to the terms of Zebra's hardware warranty statement, the DS9300 Series is warranted against defects in workmanship and materials for a period of 3 (three) years from the date of shipment. Complete Zebra hardware product warranty statement:
www.zebra.com/warranty

Recommended Services

Zebra OneCare Select; Zebra OneCare Essential

Footnotes

1. Refer to Product Reference Guide for complete list of symbologies.
2. Printing resolution, contrast, barcode width and ambient light dependent.

DataCapture DNA

DataCapture DNA is a suite of highly intelligent firmware, software, utilities and apps exclusively engineered to add functionality and simplify the deployment and management of Zebra scanners. For more information about DataCapture DNA and its applications, please visit
www.zebra.com/datacapturedna