

MOTOROLA DS9208

OMNIDIRECTIONAL HANDS-FREE PRESENTATION IMAGER

AFFORDABLE NEXT GENERATION SCANNING TECHNOLOGY FOR TODAY'S MOBILE WORLD

Whether you need to scan printed bar codes on paper labels or mobile bar codes on the screen of a mobile phone, with the Motorola DS9208, you'll be ready. You get the versatility to scan any 1D or 2D bar code — from the printed labels in retail that identify product and pricing at the register to mobile coupons, mobile gift and loyalty cards, boarding passes and even theater tickets. And the DS9208 provides all the features you need to keep your workers productive: industry-leading scanning speed; true point-and-shoot scanning simplicity — no need to align bar code and scanner; and hands-free and handheld flexibility.

BOOST CUSTOMER SERVICE, LOYALTY AND REVENUES WITH MOBILE BAR CODES

Convenience is driving your customers to store boarding passes, event tickets, mobile gift and loyalty cards as well as mobile coupons on their cell phones, where they are always available and easy to find — unlike their physical counterparts. But if you can't scan the mobile bar codes, convenience turns into a hassle that could result in a lost customer. With the DS9208, you are ready to complete the mobile bar code transaction chain, able to scan virtually any mobile bar code on any type of display — protecting service levels and customer loyalty.

A 'GO ANYWHERE' DESIGN AND TINY FOOTPRINT

Maybe your retail store has a trendy décor. Or maybe your counter space is extremely limited. The DS9208 sports a new sleek contemporary design that is at home in either environment. And with the most compact footprint in this class, the DS9208 can fit in the most space constrained areas — from the POS in a boutique to the ticket window at a train station.

A SMART INVESTMENT AND A LOW TOTAL COST OF OWNERSHIP (TCO)

The DS9208 not only helps you make money, it helps you save money. The device is so intuitive that training — and training-related costs — are virtually eliminated. Right out of the box, the DS9208 can read the most common 1D and 2D bar codes on a wide variety of surfaces — from paper labels to cell phone displays. Integrated Electronic Article Surveillance (EAS) functionality eliminates the need to purchase and

FEATURES

Scans 1D, 2D and PDF417 bar codes on paper, mobile phones and computer displays
Scan virtually any bar code on any medium; supports the technology your customers are embracing — mobile bar codes

New small footprint
Most compact device in its class, fits in the most space constrained areas, yet offers flexibility of a much larger scanner — the large high-mounted exit window enables scanning of even taller items

New sleek design
Perfect in the most design conscious environments

Handheld and hands-free modes
Dual mode functionality saves time; keeps lines moving and minimizes wait times; eliminates the need to lift heavy items, reducing the opportunity for injury

Picklist mode
Select and scan a single bar code from a bar code menu or "picklist" — ideal for items that are too small for bar code labels such as nuts and bolts in a hardware store to tiny cosmetic brushes

Driver's license parsing (optional)
Captures the information you specify from driver's licenses to enable fast auto-population of loyalty and credit card applications, increasing enrollment

Multi-code mode
Allows simultaneous scanning of a group of bar codes and reports only the selected bar code(s) in a pre-selected order.

Industry-first spherical exit window
Improves scanning performance by minimizing stray light and reducing reflections to the imaging sensor

Dual LEDs plus programmable beeper volume, frequency and duration
Protects productivity in noisy environments, such as theaters, airports and restaurants by providing both visual and audible confirmation of successful scans; convenient side trigger allows users to adjust beeper volume on-the fly

manage a standalone EAS system. Simplify and reduce the cost of managing your DS9208 scanners with two Motorola scanner management tools, RSM and 123Scan[2]. And with our unique support program, Service from the Start Advance Exchange Support, you can count on next-business-day device replacement — no questions asked — providing the uptime you need to keep business running smoothly.

For more information on how the DS9208 can benefit your business, please visit us on the web at www.motorolasolutions.com/DS9208 or access our global contact directory at www.motorola.com/enterprisemobility/contactus

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS	
Dimensions	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
Weight	9.5 oz./269 g
Voltage and Current	Idle: 5 ± 10% VDC @ 150ma average Scanning: 5 ± 10% VDC @ 230ma average
Color	Midnight Black
PERFORMANCE CHARACTERISTICS	
Light Source	Aiming pattern: single dot, 625nm LED Illumination: 630nm LEDs
Imager Field of View	46° Horizontal x 29.5° Vertical
Roll Pitch Yaw	360° ± 65° ± 60°
Print Contrast	25% minimum reflective difference
Swipe Speed (Vertical Read Rate)	Up to 90 in./2.3 m per second
SYMBOLOGY DECODE CAPABILITY	
1-D	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)
PDF417 (and variants)	PDF417 (Standard, Macro), MicroPDF417 (Standard, Macro), Composite Codes (CC-A, CC-B, CC-C)
2-D	TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro)
Postal	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)
Nominal Working Range Code 39 – 5 mil: UPC/EAN – 10 mil (80%): UPC/EAN – 13 mil (100%): PDF417 – 6.6 mil: Datamatrix – 10 mil:	 0 – 4.5 in. (0 – 11.4 cm) 0 – 8.5 in. (0 – 21.6 cm) 0 – 10.5 in. (0 – 26.7 cm) 0 – 3.8 in. (0 – 9.6 cm) 0 – 4.7 in. (0 – 11.9 cm)
Minimum Resolution	Code 39 – 4 mil UPC – 7.8 mil (60%) PDF417 – 5 mil Datamatrix – 7.5 mil QR Code – 7.5 mil
IMAGING CHARACTERISTICS	
Graphics Format Support	Images can be exported as Bitmap, JPEG or TIFF
Image Transfer Speed	USB 2.0: Up to 12 Megabits/second RS-232: Up to 115 kb/second
Image Transfer Time	Typical USB application is ~0.2 seconds with a compressed JPEG of 100kb
Image Quality	120 PPI on a 4 x 6 in./10.2 x 15.2 cm document @ 4.7 in./11.9 cm

SPECIFICATIONS CHART (continued)

USER ENVIRONMENT	
Operating Temp.	32° F to 104° F / 0° to 40° C
Humidity	5% to 85% RH (non-condensing)
Drop Spec	Withstands multiple 5 ft./1.5 m drops to concrete
Ambient Light Immunity	Immune to natural and artificial ambient light (i.e. sunlight, incandescent, fluorescent, mercury vapor, sodium vapor)
INTERFACES	
Interfaces Supported	USB, RS-232, RS-485 (IBM 46xx Protocols), Keyboard Wedge
REGULATORY	
Electrical Safety	UL6950-1, CSA C22.2 No. 60950-1:2nd ed., EN60950-1: 2nd ed. + A11: 2009 IEC60950-1: 2nd ed.
LED Safety	IEC / EN 60825-1: 2001 Class 1M LED, EN 62471: 2008 IEC 62471: 2006
EMI/RFI	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
Environmental	Compliant with RoHS Directive 2002/95/EC
OPTIONS	
Electronic Article Surveillance	Compatible with Checkpoint EAS deactivation systems
Accessories	Wall mount bracket; locking mount bracket
WARRANTY	
Subject to the terms of Motorola'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 Motorola hardware product warranty statement, go to: http://www.motorola.com/warranty	
RECOMMENDED SERVICES	
Support Services	Service from the Start Advance Exchange Support

Omnidirectional scanning
Eliminates the need to align bar code and scanner

Lightweight ergonomic 'sure grip' design
A secure grip helps prevent drops when utilized in handheld mode

Supports all common interfaces
Easy integration with your existing technology environment; easily migrate to new hosts

5 ft./1.5 m drop spec and recessed exit window
Increased durability: can endure drops; prevents nicks and scratches on the exit window that could degrade performance

Integrated EAS support (optional)
Eliminates the need to purchase and maintain an additional system at the register; simplifies the checkout processes; eliminates missed tags, erroneous alarms and embarrassed customers

Integrated adjustable stand
Eliminates the need to purchase and manage separate accessories

Compatible with 123Scan² and Remote Scanner Management (RSM)
Reduces management time and cost, from initial configuration to day-to-day management

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