MOTOROLA DS4208

GENERAL PURPOSE HANDHELD 2D IMAGER

2D BAR CODES — THE WAVE OF THE FUTURE IS HERE

2D bar codes help businesses better manage inventory; cost-effectively comply with track and trace regulations for food, pharmaceuticals and more; and capture new types of data to improve overall process efficiency. In addition, both retailers and manufacturers alike must implement new standard 2D bar codes that were created to streamline the entire supply chain. But 2D imagers typically lack the speed and accuracy of 1D laser scanners. How can you implement 2D imaging without impacting business productivity?

FUTURE-PROOF YOUR BUSINESS WITH HIGH PERFORMANCE AFFORDABLE 2D IMAGING

Motorola's DS4208 delivers the blazing speed typical of laser scanners on both 1D and 2D bar codes, allowing you to accommodate 2D bar codes without sacrificing scanning quality or performance. Users never need to take time to align the bar code with the scanner or pause between scans. And since you can capture bar codes printed on paper labels or displayed on the screen of a mobile phone, retailers can accommodate customers who download mobile coupons, mobile loyalty cards and more. You get industry leading scanning speed on every bar code; true point-and-shoot first time scanning simplicity on even damaged and poorly printed bar codes; and a durable design for all day everyday reliability — all at an affordable price.

DRIVE CUSTOMER SERVICE AND REVENUE TO A NEW LEVEL WITH SUPPORT FOR MOBILE BAR CODES

Since the DS4208 can scan bar codes on mobile phone displays, you can attract the millions of customers who are using their cell phones to better manage their lives. Retailers can scan mobile coupons, mobile loyalty cards, mobile gift cards and more. Quick service restaurants can accept mobile coupons at the register. Location-based mobile couponing allows retailers and restaurants to entice customers to stop in by automatically issuing discount coupons when patrons are in the vicinity of your facility. Hotels can allow guests to use electronic loyalty cards stored on their cell phones, eliminating the need to carry physical cards. And since theaters, theme parks and stadiums can scan mobile tickets as easily as a paper ticket, they can offer customers an added convenience — paperless ticketing.

GET THE SMART INVESTMENT WITH A LOW TOTAL COST OF OWNERSHIP (TCO)

The DS4208 is built to last — and our toughness tests prove it. The DS4208 delivers outstanding performance, even after exposure to heat, cold, dust, a spilled beverage — and 2,000 consecutive drops. In addition, with our unique support program, Service from the Start Advance Exchange Support, you can count on next-business-day

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 — electronic bar codes

Omnidirectional scan pattern
Eliminates the need to align bar code and scanner

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

Rugged design: IP43 sealing plus a 6 ft./1.83 m drop to concrete
Built to last, providing reliable operation despite spills and drops

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

device replacement — no questions asked — providing the uptime you need to keep business running smoothly. And with two Motorola tools — 123Scan[2] and Remote Scanner Management — everyday management is easier and less time consuming, reducing IT time and cost.

For more information on how the DS4208 can benefit your business, please visit us on the web at www.motorola.com/DS4208 or access our global contact directory at www.motorola.com/enterprisemobility/contactus

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS	
Dimensions	6.7 in. H x 3.7 in. L x 2.7 in. W (17 cm H x 9.3 cm L x 6.8 cm W)
Weight (w/o cable)	6.1 oz. (172.9 g)
Power	5 VDC ± 10% @ 275 mA (RMS typical)
PERFORMANCE CHARACTERISTICS	
Light Source	Aiming pattern: 625 nm LED Illumination: 630 nm LEDs
Imager Field of View	39° (H) x 25° (V)
Roll Pitch Yaw	0 - 360° ± 65° or greater ± 60° or greater
SYMBOLOGY DECODE CAPABILITY	
1D	UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT 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
2D	PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, Maxicode, QR Code, MicroQR, Aztec
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)
Typical Working Distance	See Decode Ranges table
Motion Tolerances	Swipe speed: 100 inches per second at full illumination, measured on 100% UPC bar code 80% MRD at 4 inches distance from the housing
Interfaces Supported	The scanner supports the following protocols over USB: HID Keyboard (default mode), SNAPI, COM Port Emulation, IBM SurePOS (Yellowstone) (IBM Handheld,IBM Tabletop, OPOS); The scanner supports the following protocols over RS232: Standard, Wincor Nixdorf, ICL, Fujitsu, Olivetti
Minimum Resolution	Code 39 4 mil; UPC 60% 5 mil; PDF417 5 mil, Datamatrix 7.5 mil

USER ENVIRONMENT	
Operating Temp.	32° F to 104° F (0° C to 40° C)
Storage Temp.	-40° F to 158° F (-40° C to 70° C)
Humidity	5% to 95%, non-condensing
Drop Spec	Withstands multiple 6 ft. (1.83 m) drops to concrete
Sealing	IP43
Ambient Light Immunity	Immune to normal indoor lighting up to 1600 Lux. Immune to sunlight up to 86,000 Lux.
ACCESSORIES	
Hands-Free Options	Intellistand
Power Supplies	Power supplies are available for applications that do not supply power over the host cable

DECODE RANGES

Typical Working Ranges

SR Focus Range	Near	Far
5.0 mil Code 39	0.2 in. / 0.5 cm	6.8 in. / 17.3 cm
10 mil 80% UPCA	0 in. / 0 cm	12.7 in. / 32.3 cm
13 mil 100% UPCA	0.3 in. / 0.8 cm	15.2 in. / 38.6 cm
5.0 mil PDF 417	1.5 in. / 3.8 cm	4.3 in. / 10.9 cm
6.6 mil PDF 417	0.8 in. / 2.0 cm	6.0 in. / 15.2 cm
10 mil Data Matrix	0.4 in. / 1.0 cm	7.2 in. / 18.3 cm

REGULATORY	
Electrical Safety	UL60950-1 2nd ed, CSA C22.2 No. 60950-1 2nd ed, EN60950-1/IEC60950-1 2nd ed.
LED Safety	IEC/EN60825-1:2001, IEC/EN62471:2006
EMI/RFI	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN55024
Environmental	Compliant with RoHS directive 2002/95/EEC

WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the DS4208 is warranted against defects in workmanship and materials for a period of 5 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

Part number: SS-DS4208. Printed in USA 12/10. MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. ©2010 Motorola, Inc. All rights reserved.

MOTOROLA