



# MOTOROLA DS4208-HC

GENERAL PURPOSE HANDHELD 2D IMAGER FOR HEALTHCARE APPLICATIONS

## IMPROVE CARE QUALITY, PATIENT SAFETY AND CAREGIVER PRODUCTIVITY

The DS4208-HC corded imager from Motorola allows hospitals and clinics to quickly and easily capture and verify a wealth of data at the point of care, and beyond. The opportunity for errors throughout your facility is greatly reduced. Risk is lowered for patients as well as the hospital. The need to write down information with pen and paper is replaced by a split-second pull on the device trigger, providing healthcare workers with more time to focus on their most important task — to help patients heal. And the automated capture of information required by emerging healthcare laws enables cost-effective compliance with new government regulations.

## COMPREHENSIVE DATA CAPTURE FOR END-TO-END APPLICATION SUPPORT — FROM ADMITTING TO DISCHARGE

The DS4208-HC can capture 1D and 2D bar codes on wrist bands for patient ID, pharmaceuticals, blood bags, suppositories, syringes for medication administration and specimens for tracking — as well as mobile phone and computer displays. This single affordable and easy-to-use device can error-proof and streamline processes in

practically every area of your healthcare facility — from admitting and medication administration to specimen collection, inventory, dietary management and discharge.

## BUILT FOR CONSTANT DISINFECTING

The DS4208-HC is designed to prevent the spread of dangerous and deadly illnesses. The special plastics plus IP43 sealing allow safe wipe-downs and sanitizing after every use. The housing and the sensitive scanning components are impervious to bleach, alcohol, soap and water, and more.

## AROUND-THE-CLOCK DEPENDABILITY

In healthcare, every second matters. That's why the DS4208-HC is designed to handle 24x7 use, every day of the year. Environmental sealing combines with a 6 ft./1.8 m drop to concrete, so your healthcare workers get reliable operation they can count on — period.

## THE MOTOROLA ADVANTAGE — END-TO-END SUPPORT

Motorola provides the support you need to help ensure maximum uptime in your mission critical healthcare environment — as well as a low total cost of ownership (TCO). Remotely manage all your DS4208-HC imagers

## FEATURES

### Disinfectant-ready

IP43 sealing and a specially designed plastic housing allows safe wipe-down and cleansing with a wide variety of harsh chemicals\*

### Lightweight ergonomic design

Easy to hold regardless of hand size; reduces fatigue; enables all day scanning comfort to protect productivity in scan-intensive applications

### Superior durability

Motorola's best-in-class drop specification — the ability to survive 6 ft./1.8 m drops to concrete — and IP43 sealing ensure reliable operation despite everyday spills, drops and bumps

### Comprehensive advanced data capture

Capture many different types of data with just one device: scan virtually any 1D or 2D bar code on any medium — including wrist bands for patient ID, pharmaceuticals, blood bags, suppositories, syringes for medication administration, specimens for tracking, mobile phones and computer screens; supports the creation and maintenance of electronic medical records (EMRs)

**Superior high performance scanning on all bar codes**

Built on Motorola's revolutionary imaging technology, which eliminates the performance degradation common in 2D scanning, delivering: laser-like performance on both 1D and 2D codes; rapid and accurate capture of even poor quality and damaged bar codes

**Omnidirectional scan pattern**

Eliminates the need to precisely align bar code and scanner for fast, easy and comfortable scanning; protects caregiver productivity

**Supports all common interfaces**

Easy integration with your existing technology environment; easily migrate to new hosts

**Compatible with 123Scan<sup>2</sup> and Remote Scanner Management (RSM)**

Reduces management time and cost, from initial configuration to day-to-day management

from a single centralized location with Remote Scanner Management (RSM), an integrated software solution. In addition, Motorola's exceptional Service from the Start Advance Exchange Support helps keep your DS4208-HC scanners up, running at peak performance and in the

hands of your caregivers. Devices that require repair are replaced the next business day. And since Comprehensive Coverage includes normal wear and tear as well as accidental damage to internal and external components, unforeseen repair expenses are significantly reduced.

To put the DS4208-HC to work in your healthcare organization, please visit us on the web at [www.motorolasolutions.com/ds4208hc](http://www.motorolasolutions.com/ds4208hc) or access our global contact directory at [www.motorola.com/enterprisemobility/contactus](http://www.motorola.com/enterprisemobility/contactus)

**SPECIFICATION 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	6.1 oz. (172.9 g) (without cables)
Power	5 VDC ± 10% @ 275 mA (RMS typical)
Color	Healthcare White

**PERFORMANCE CHARACTERISTICS**

Light Source	Aiming pattern: 617 nm LED Illumination: 625 nm LEDs
Field of View	Imager: 39° (H) x 25° (V)
Roll/Pitch/Yaw	0 - 360°, ± 65° or greater, ± 60° or greater

**SYMBOLGY 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, Korean 3 of 5, ISBT Concat
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)
Motion Tolerances	Up to 25 in./63.5 cm per second
Interfaces Supported	<u>The scanner supports the following protocols over USB:</u> HID Keyboard (default mode), SNAPI, COM Port Emulation, IBM SurePOS (Yellowstone) (IBM Handheld, IBM Tabletop, OPOS); <u>The scanner supports the following protocols over RS232:</u> 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.
*Approved Cleansing Agents	Isopropyl alcohol, bleach/sodium hypochlorite, hydrogen peroxide, gentle dish soap and water
*Approved Brand Name Cleansers	Super Sani-Cloth® Wipes, Clorox® Bleach, Windex® Antimicrobial, Windex® with Ammonia D, Virex® 5 Wipes, Dispatch®

**ACCESSORIES**

Hands-free Intellistand; power supplies (available for applications that do not supply power over the host cable)

**DECODE RANGES**

Typical Working Ranges			
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-HC 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: [www.motorola.com/warranty](http://www.motorola.com/warranty)

**RECOMMENDED SERVICES**

Service from the Start Advance Exchange Support

