



HANDS-FREE AND HANDHELD SCANNING. A NEW LEVEL OF PERFORMANCE.

# SYMBOL DS4308P

## SCAN VIRTUALLY ANY 1D OR 2D BAR CODE FARTHER AND FASTER WITH THIS NEXT GENERATION COMBINATION PRESENTATION/HANDHELD SCANNER.

The DS4308P is a feature-rich combination handheld and hands-free 2D imager that resets the bar for scanning performance, scanning range, versatility and ease-of-use. In presentation mode, its tiny footprint is ideal for space constrained areas. In handheld mode, the small and lightweight design provides the ergonomics workers need for all day scanning comfort. In either mode, workers can capture virtually any bar code faster than ever, whether it is displayed on a smartphone, tablet or computer or printed on a label — even if it is scratched, damaged or dirty. With its extraordinary scanning range, you get one powerful scanner that does the job of two, eliminating the need to purchase separate standard and extended range scanners. The result? A new class of scanner for a new world of bar codes.



### PRZM Intelligent Imaging technology for next generation performance

Resets the bar for 2D imaging by improving decode performance and snappiness, dramatically improving the user experience, user productivity, throughput and wait times.

### Switch between presentation and handheld mode on the fly

When the DS4308P is sitting on the counter, it will automatically scan any bar code in the “scan zone”. All users need to do is pick up the scanner to switch to triggered handheld operation.

### Scan virtually any bar code on any medium

Scans 1D, 2D and PDF417 bar codes printed on paper labels or displayed on mobile devices or computer screens.

### Megapixel sensor for maximum data capture flexibility

Delivers the resolution required for longer-distance scanning, clear photos, sharp signatures and more accurate OCR data.

### Largest “sweet spot” for can’t-miss point-and-shoot scanning simplicity

With a decode range that allows users to scan any bar code type at any density nearer and farther than any other scanners in its class, scanning is truly second nature — users just point and shoot.

### Drivers license parsing

This optional feature goes beyond bar code capture to allow you to collect and send the information you need — such as date of birth — directly to any backend system.

### Omni-directional scanning

Enables true point-and-shoot scanning simplicity by eliminating the need to align bar code and scanner.

### Durable design for superior uptime

Built to survive a 5 ft./1.5 m drop to concrete, the DS4308P delivers reliable operation, despite the inevitable everyday drops. And the pedestal base protects the scanner from exposure to and damage from spilled liquids.

### Adjustable beeper volume and frequency tone

You get the flexibility to adjust beeper characteristics for your environment — from a quiet boutique store to a noisy quick serve restaurant.

### Superior out-of-box experience

Smart auto-host detect cables automatically determine which interface is attached, eliminating the need to scan numerous configuration bar codes. Over 90 international keyboards are hosted within the scanner for easy setup, all around the world.

### Unsurpassed aiming technology

Crisp and bright aiming dot has the reach and brightness needed for long distance scanning — as well as picklist mode.

### Easy on the eyes

Thanks to a special LED wavelength and recessed lighting, when a bar code is scanned, the light that is emitted is soft and unobtrusive, preventing eye fatigue and improving the environment for customers and workers.

**GIVE YOUR WORKERS THE POWER TO CAPTURE ANY BAR CODE ON ANY MEDIUM IN ANY CONDITION, WITH HANDHELD OR HANDS-FREE FLEXIBILITY.**

For more information, visit [www.motorolasolutions.com/ds4308p](http://www.motorolasolutions.com/ds4308p) or access our global contact directory at [www.motorolasolutions.com/contactus](http://www.motorolasolutions.com/contactus)

# SPECIFICATIONS CHART

## PHYSICAL CHARACTERISTICS

Dimensions	8.15 in. H x 5.18 in. L x 3.74 in. W 20.7 cm H x 13.15 cm L x 9.5 cm W
Weight (w/o cable)	10.6 oz. / 300 g
Power	5 VDC ± 10% @ 360 mA (RMS typical)
Interfaces Supported	USB, RS232, Keyboard Wedge, RS485 (IBM 46xx), SSI <u>The scanner supports the following protocols over USB:</u> HID Keyboard (default mode), SNAPI, IBM SurePOS (Yellowstone) (IBM Handheld, IBM Tabletop, OPOS), USB CDC, SSI over USB CDC, Toshiba TEC <u>The scanner supports the following protocols over RS232:</u> Standard, Wincor Nixdorf, ICL, Fujitsu, Olivetti, Omron and CUTE

## PERFORMANCE CHARACTERISTICS

Light Source	Aiming pattern: 617 nm LEDs Illumination: 660 nm LEDs
Imager Field of View	36° (H) x 22.5° (V)
Roll/Pitch/Yaw	0 - 360°; ± 65° or greater; ± 60° or greater
Print Contrast	20% minimum reflective difference
Motion Tolerances	Up to 30 in. / 76.2 cm per second

## 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, Han Xin
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), Canadian Post (Postbar)
Minimum Resolution	Code 39 4 mil, UPC 60% 7.8 mil, PDF417 5 mil, Datamatrix 7.5 mil

## USER ENVIRONMENT

Operating Temp.	32° F to 122° F/0° C to 50° C
Storage Temp.	-40° F to 158° F/-40° C to 70° C
Humidity	5% to 95%, non-condensing

## USER ENVIRONMENT (CONTINUED)

Drop Specification	Withstands multiple 5 ft./1.5 m drops to concrete
Environmental Sealing	IP42
Ambient Light Immunity	Immune to normal indoor lighting up to 1600 Lux; immune to sunlight up to 86,000 Lux

## ACCESSORIES

Mounting Options	Combination desk mount/wall mount bracket
Power Supplies	Power supplies are available for applications that do not supply power over the host cable

## REGULATORY

Electrical Safety	UL60950-1 2nd ed, CSA C22.2 No. 60950-1 2nd ed, EN60950-1/IEC60950-1 2nd ed.
LED Safety	IEC 62471:2006 and EN 62471:2008
EMI/RFI	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN55024, Medical Electrical Equipment: EN60601-1-2
Environmental	Compliant with RoHS directive 2011/65/EU

## WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the DS4308P 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.motorolasolutions.com/warranty>

## RECOMMENDED SERVICES

Enjoy easy access to fast repair and expert support with Service from the Start; add "next business day" replacement with Advanced Exchange.

## DECODE RANGES

SR FOCUS RANGE	TYPICAL WORKING RANGES			
	Bar Code Type	Symbol Density	Near	Far
Code 39	3.0 mil	1.5 in. / 3.8 cm	5.4 in. / 13.7 cm	
Code 39	5.0 mil	0 in. / 0 cm	11.0 in. / 27.9 cm	
PDF417	6.6 mil	1.1 in. / 2.8 cm	8.0 in. / 20.3 cm	
UPC	13.0 mil	0 in. / 0 cm	28.0 in. / 71.1 cm	
Data Matrix	10.0 mil	2.0 in. / 5.1 cm	9.0 in. / 22.9 cm	
Code 39	20.0 mil	0 in. / 0 cm	53.0 in. / 134.6 cm	
QR	10.0 mil	1.1 in. / 2.8 cm	8.5 in. / 21.6 cm	
QR	20.0 mil	0.9 in. / 2.3 cm	16.2 in. / 41.1 cm	

## THE DS4308P IS AT HOME IN...

### Retail

- Point-of-Sale (POS)
- Age verification
- Mobile loyalty
- Mobile coupons
- Driver's license parsing (DL model required)
- Checkpoint EAS tag deactivation

### Hospitality

- Mobile loyalty
- Mobile coupons
- Event check-in

### Travel and Transportation

- Printed and mobile boarding passes

### Asset tracking

- Library books
- Document tracking

## COMPLIMENTARY MANAGEMENT TOOLS

Simplify and reduce the cost of everyday management with our no-cost tools. 123Scan<sup>2</sup> and Scanner Management Service (SMS) work hand-in-hand to reduce management time and cost by automating initial configuration and enabling remote management of your DS4308P scanners.

### 123Scan<sup>2</sup>

Programs scanner parameters, upgrades firmware, provides scanned bar code data and prints reports. [www.motorolasolutions.com/123Scan](http://www.motorolasolutions.com/123Scan)

### Scanner Management Service (SMS)

Remotely manages your Motorola scanner and queries its asset information. [www.motorolasolutions.com/sms](http://www.motorolasolutions.com/sms)

### Scanner SDK

Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code. [www.motorolasolutions.com/windowsSDK](http://www.motorolasolutions.com/windowsSDK)