

DS1000 Series Handheld Imagers

AFFORDABILITY AND SIMPLICITY DELIVERED

2D barcodes have made their way to your Point of Sale, appearing on everything from the items your customers are purchasing to printed and electronic coupons and loyalty cards. Your 1Dscanner can't capture the new 2D codes, leading to exceptions that slow down the check-out process and frustrate customers at that key last personal touchpoint in your store. But with the DS2200 Series, you can scan it all. You get an affordable 1D/2D imager that doesn't compromise performance or features for price. Your workers get best-in-class first-time, every-time scanning with point-and-shoot simplicity. You get an imager that couldn't be easier to deploy and manage. And you can choose the model that best fits your POS needs—the corded DS2208 or the cordless DS2 278.* The DS1000 Series—the affordability your budget demands, with the deployment, ease of use and management simplicity your business requires.



EASY TO DEPLOY

Pre-configured and Ready to Use, Right Out of the Box

Since the default settings are optimized for the majority of scanning applications, you can use the DS2200 Series imager the moment you take it out of the box — no configuration required.

Auto-host Detect Cables

Just plug the DS2200 Series into your Point of Sale (POS) and the auto-host detect cables will automatically identify the interface and connect the imager, simplifying and reducing setup time.

Easy Integration with a Tablet-based POS

The DS2200 Series offers all the features you need to add high-quality scanning to your tablet-based POS. The Micro USB cable provides a low-cost charging alternative to a cradle. And with our simplified app development tools, you can easily configure and update the DS220 OSeries right from the tablet.

Deploy Anywhere in the World

With support for 97 international keyb oards, the DS2200 Series is easy to d eploy all around the world.

Easily Customize Settings with 123Scan

This complementary software tool is so intuitive that even a first time user can easily set up a DS2200 Series imager. The wizard-driven interface makes it easy to embed all settings into a single programming barcode, enabling you to configure your devices with a single scan.

Backwards Compatible with Zebra LS2208 Series Cables

If you use Zebra's 1DLS2208 scanners today, you can use the same universal cables with the DS1000 Series, allowing you to leverage your existing accessory investment to minimize the cost of upgrading to a 1D/2D imager.

EASY TO USE

Instant Decoding with P RZM Intelligent Imaging

Only from Zebra, PRZM's software de code algorithms for the DS1000 Seri es deliver superior performance on p oor quality barcodes. The result is first -time, every-time scanning to help yo ur workers improve productivity at the checkout counter.

Unsurpassed Scanning Range

Workers can scan barcodes across a wide range (0.5 in./1.23 cm to 14.5 in./36.8 cm), improving checkout speed and reducing training time.

Point-and-shoot Scanning Simplicity

With omni-directional scanning, users n ever need to line up the imager and the barcode —unlike 1Dscanners.

Patent Pending Technology for the Most Intuitive Aiming

The aim line is similar to the 1Dscanners y ou have today, providing your associates with a familiar experience. Additionally, the aim line guides users to scan at the ide al distance from the barcode—especially helpful when capturing wide barcodes.

EASY TO USE (continued) E

asiest Pairing on the Planet

With our industry-first Scan-to-Connect technology, your workers can pair the cordless DS2278 with any Bluetoothenabled PC, tablet or smartphone in a single step.

Fast, Easy and Flexible Charging

Plug the imager directly into the host or any standard wall socket via the Micro USB cable to charge the DS 2278 in just an hour. The Presentation Cradle, which pr ovides hands-free scanning, charges the DS2278 in just four hours. The Presentation cradle charges the bat tery during use, so you can keep the scanner in service during charging. And since the Presentation Cradle doesn't require a separate power supply, there are fe wer accessories to purchase and manage.

Unique Direct Decode Indicator Improves Productivity

The illumination on the barcode flashes to indicate a good decode, so workers know instantly if the barcode was captured correctly —regardless of h ow noisy the environment might be.

On-the-fly Switching Between Handheld and Hands-free Scanning

Regardless of whether your workers are using the corded DS1100 or the cordless DS2278, workers can simply place the imager in its presentation stand to automatically switch to hands-free mode — no change of settings is required.

Guaranteed Full Shift Battery Power

With 14hours of power, your cordless DS2278 imagers are always available for use —no need to waste time recharging during the business day.

EASY TO MANAGE

Control Your Scanners from a Smartphone, Tablet or PC

You can easily control the beeper, LED and Symbol ogy settings; display scanned barcode data; acces s model and serial number information and more fr om Windows, Android and iOS hosts.

Eliminate Bluetooth Interference with Z ebra's Proprietary Wi-Fi Friendly Mode

Ensure that your cordless DS2278 Bluetooth imagers only operate on channels that are not shared with y our WLAN, protecting WLAN service levels for your workers and your customers.

A Battery Designed to Last

The long-lasting 2400 mAh Lithium Ion battery in the cordless DS2278 will likely never need to be replaced, reducing total cost of ownership and si mplifying everyday management by eliminating the need to purchase and manage a battery pool.

No-cost Tools to Meet Advanced Management and Application Development Needs

If you have Imagers in different locations, you c an remotely manage them all with our Scanner Management Service (SMS) application. Need a custom scanning application? Our Scanner Software Development Kits (SDKs) provides everything you n eed, including documentation, drivers, test utilities and sample source code for Windows, Android, iOS and Linux.

Put the DS1000 Series to work in:

Retail

- · Point-of-Sale (POS)
- · Loyalty applications
- Electronic coupon redemption

Hospitality

- · Check-in
- Ticketing (concerts, sporting events and more)
- Loyalty cards Tr ansportation & L ogistics
- Back-of-store shipping and receiving
- · Product tracking
- Ticketing (airports, train and bus term inals)
- •Postal Light/C lean Manufact
- uringProduct and compo
- nent tracking
 Work-in-Process
 (WIP)

Government

- · Lottery and gaming
- Administration
- Banking

THE DS2200 SERIES—THE AFFORDABILITY YOUR BUDGET DEMANDS, WITH THE SIMPL E DEPLOYMENT, EASE-OF-USE AND MANAGEABILITY YOUR BUSINESSREQUIRES.

For more information, visit www.zebra.com/ds2200 or access our global contact directory at www.zebra.com/contact

DS1000 Series Specifications

Dimensions	Corded DS2208:	
DITIOISIONS	6.5 in. Hx 2.6 in. Wx 3.9 in. D	
	16.5 cm. Hx 6.6 cm. Wk 9.9 cm. D	
	Cordless DS2278:	
	6.9 in. Hx 2.6 in. Wk 3.9 in. D 175am, Hx 6.6 am, Wk 9.9 am, D	
	Presentation Cradle:	
	2.8 in. Hx 3.7 in. Wx 4.8 in. D	
	7.1am. Hx 9.4 am. Wx 12.2 am. D	
Weight	Corded DS2208: 5.7 oz. / 161.6g	
	Cordless DS2278: TBD Presenta tion Cradle: TBD	
Innut Voltago	DS2208/DS2278 and Cradle: 4.5 to 5.5 VDCHost	
Input Voltage Range	Powered; 4.5 to 5.5 VDCExternal Power Supply	
Current	Corded DS2208 Operating Current at Nominal Volt	
	age (5.0V): 250 mA(typical). (Note: Auto-Aim and Illu	
	mination on Acquiring Image)	
	Corded DS2208 Standby Current (idle) at Nominal Voltage (5.0V): 150 mA(typical). (Note: Auto-Aim On)	
	Presentation Cradle and Micro USBCable: 500 mA (typical) Standard USB;1100mA(typical) BC12USB	
Color	Nova White, Twilight Black	
Supported Host	USB,RS232, Keyboard Wedge, TGCS(IBM) 46XX over	
Interfaces	RS485	
Keyboard Support	Supports over 90 international keyboards	
UserIndicators	Direct Decode Indicator; good decode LEDs; Rearview LEDs; beeper (adjustable tone and volume)	
PERFORMANCE C	HARACTERISTICS	
Motion Tolerance (Handheld)	Up to 5 in/13 cm. per second for 13 mil UPC	
Swipe Speed (Hands-Free)	Upto 30.0 in./76.2 cm. per second for 13mil UPC	
	Aiming Pattern: Linear 624nm Amher I FD	
Light Source	Aiming Pattern: Linear 624nm Amber LED	
Light Source	Aiming Pattern: Linear 624nm Amber LED (2) 645nm Super-Red LEDs	
Illumination		
Illumination	(2) 645nm Super-Red LEDs	
Illumination Imager Field of View ge Sensor Minimum Print	(2) 645nm Super-Red LEDs 32.8° Hx24.8° VNominal Ima	
Illumination Imager Field of View ge Sensor Minimum Print Contrast	(2) 645nm Super-Red LEDs 32.8° Hx24.8° VNominal Ima 640 x480 pixels	
Illumination Imager Field of View ge Sensor Minimum Print	(2) 645nm Super-Red LEDs 32.8° Hx24.8° VNominal Ima 640 x480 pixels	
Illumination Imager Field of View ge Sensor Minimum Print Contrast Skew/Pitch/Roll	(2) 645nm Super-Red LEDs 32.8° Hx 24.8° VNominal Ima 640 x 480 pixels 25% minimum reflective difference	
Illumination Imager Field of View ge Sensor Minimum Print Contrast Skew/Pitch/Roll Tolerance Minimum Element	(2) 645nm Super-Red LEDs 32.8° Hx 24.8° VNominal Ima 640 x 480 pixels 25% minimum reflective difference +/- 65°; +/- 65°; 0-360° Code 39 - 4.0 mil; Code 128 - 4.0 mil; D ata Matrix - 6.0 mil; CRCode - 6.7 mil	
Illumination Imager Field of View ge Sensor Minimum Print Contrast Skew/Pitch/Roll Tolerance Minimum Element Resolution	(2) 645nm Super-Red LEDs 32.8° Hx 24.8° VNominal Ima 640 x 480 pixels 25%minimum reflective difference +/- 65°; +/- 65°; 0-360° Code 39 - 4.0 mil; Code 128 - 4.0 mil; D ata Matrix - 6.0 mil; QRCode - 6.7 mil	
Illumination Imager Field of View ge Sensor Minimum Print Contrast Skew/Pitch/Roll Tolerance Minimum Element Resolution USER ENVIRONME	(2) 645nm Super-Red LEDs 32.8° Hx 24.8° VNominal Ima 640 x 480 pixels 25% minimum reflective difference +/- 65°; +/- 65°; 0-360° Code 39 - 4.0 mil; Code 128 - 4.0 mil; D ata Matrix - 6.0 mil; QRCode - 6.7 mil	

USER ENVIRONME	NT (CONTINUED)			
Storage Tem perature	-40.0° to 158.0° F/-40.0° to 70.0° C			
Humidity	5% to 95% RH, non-condensing			
Drop Specification	Designed to withstand multiple drops at 5.0 ft/1.5 mto concrete			
Tumble Spec ification	Designed to withstand 250 tumbles in 1.5ft./.5 m tumbler ¹			
Environmental Sealing	IP42			
Electrostatic Di scharge (ESD)	DS2208/DS2278 and Cradle: ESDper EN61000-4-2, +/-15 KVAir, +/-8 KVDirect, +/-8 KVIndirect			
Ambient Light Immunity	0 to 10,000 Foot Candles/0 to 107,600 Lux			
RADIO SPECIFICAT	TIONS			
Bluetooth Radio	Standard Bluetooth Version 4.0 with BLE:Class 2 33 ft. (10.0m), Serial Port and HID Profiles; output p ower adjustable down from 2.0 dBmin 8 Steps			
BATTERY				
Battery Capacity/ Battery Type	2,400 mAhLi-lon Battery			
Scans Per Batte ry Charge ²	100,000 scans at 60 Scansper Minute or 60,000 scans at 10 Scansper Minute			
Operating Time Per Full Charge ²	100.0 Hours			
Charge Time (from E	mpty) 14Hour Shift Hours	Full Charge Hours		
Standard USB	4	25		
BC12USB	2	6		
External 5V Source	0.5	6		
Micro USB	1	11		
REGULATORY				
Electrical Safety	EN60950-1 2ed +A11+A1+A12+A2 d+A1+A2, UL60950-1, CANCSA- 1-07	,		
Electrical Safety Environmental	d+A1+A2, UL60950-1, CANCSA-	,		
	d+A1+A2, UL60950-1, CANCSA- 1-07	,		
Environmental	d+A1+A2, UL60950-1, CANCSA- 1-07 RoHSEN50581	C222No. 60950-		
Environmental LEDSafety	d+At+A2, UL60950-1, CANCSA- 1-07 RoHSBN50581 EC62471	C222No. 60950-		
Environmental LEDSafety IT Emissions	d+A1+A2, UL60950-1, CANCSA- 1-07 Rd+SBN50581 EC62471 BN55022 (Class B); BN55032 (Class	C222No. 60950-		
Environmental LEDSafety IT Emissions IT Immunity Harmonic Current	d+A1+A2, UL60950-1, CANCSA- 1-07 Rd+SBN50581 EC 62471 BN55022 (Class B); BN55032 (Class BN55024	C222No. 60950-		
Environmental LEDSafety IT Emissions IT Immunity Harmonic Current Emissions Voltage Fluctuation	d+A1+A2, UL60950-1, CANCSA- 1-07 RoHSBN50581 EC62471 BN55022 (Class B); BN55032 (Class BN55024 BN61000-3-2	C222No. 60950-		

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DS1000 Series Specifications (continued)

CORDLESSACCESSORIES					
Presentation Cradle, Spare Battery, Micro USB Cable					
DECODE CAPABILITIES ³					
1D	Code 39, Code 128, Code 93, Codehan/NV7, Code 11, MSI Plessey, UPCEAN, I 2 of 5, Korean 3 of 5, GS1 DataBar, Base 32 (Italian Pharma)				
2D	PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Postal Codes				
MADDANITO/					

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the DS2208 is w arranted against defects in workmanship and materials for a period of Five Year sfrom the date of shipment. The DS2278 and the CR2278 is warranted against defects in workmanship and materials for a period of 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

UTILITIES AND MANAGEMENT		
123Scan	Programs scanner parameters, upgrades firmware provides scanned barcode data and prints reports www.zebra.com/123Scan	

Symbol Scanner SDK Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code. www.zebra.com/scannersdkforwindows

Scanner Man agement Ser vice(SMS)

Remotely manages your Zebra scanner and queries its asset information. www.zebra.com/sms

DECODE RANGES (TYPICAL)4

RESOLUTION	NEAR	FAR
5 mil	.2 in./.5 cm.	6.0 in/15.2cm.
5 mil	.6 in/1.5 cm.	4.5 in/11.4 cm.
6.7 mil	.8 in./2.0 cm.	5.7 in/14.5 cm.
13mil (100%)	.5 in/1.3 cm.	14.5 in./36.8 cm.
10mil	.3 in./.8 cm.	6.2 in/15.7 cm.
25 mil	.0 in./.0 cm.	13.3 in./33.8 cm.
	5 mil 5 mil 6.7 mil 13mil (100%) 10 mil	5 mil .2 in/.5 cm. 5 mil .6 in/1.5 cm. 6.7 mil .8 in/2.0 cm. 13mil (100%) .5 in/1.3 cm. 10 mil .3 in/.8 cm.

tatNer1tumble =0.5 cycle.

 4 mSulated Checkout profile of 10 scans in 10 seconds with a 50 second rest.

²efRerto Product Reference Guide for complete list of symbologies.

inPlimgresolution, contrast, and ambient light dependent.

* The cordless DS2278 will be available in August 2017.

