

## Specifications

### PHYSICAL CHARACTERISTICS

Dimensions	7.47 in. L x 2.61 in. W x 1.90 in. H 19.0 cm L x 6.6 cm W x 4.8 H
Weight	6 oz. (168 g) including cable, cable weight = 2 oz. (53g)
Voltage & Current	5VDC +/- 10% @ 360 mA (RMS Typical)
Power Source	USB VBUS
Color	Alpine White & Midnight Black
Supported Host Interfaces	USB
Keyboard Support	Supports over 90 international keyboards

### PERFORMANCE CHARACTERISTICS

Skew Tolerance	86° (measured using 100% UPC-A; ±3 degree accuracy)
Pitch Tolerance	82° (measured using 100% UPC-A; ±3 degree accuracy)
Roll Tolerance	360°
Motion Tolerance	Up to 20 in./sec.
Light Source	Aiming 606nm LED; Illumination: 640nm LED
Imager Field of View	40° (H) x 26° (V) Nominal
Minimum Print Contrast	20%

### UTILITIES AND MANAGEMENT

123Scan<sup>2</sup>, Scanner Management Services (SMS), Zebra Scanner SDK

### REGULATORY

Environmental	Compliant with RoHS directive 2002/95/EEC
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

### USER ENVIRONMENT

Ambient Light Immunity	Max 108,000 lux
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% RH, non condensing
Drop Spec.	Withstands multiple 5 ft. (1.5 m) drops to concrete

### USER ENVIRONMENT (CONTINUED)

Tumble Testing	250 cycles (500 drops) in 1/2 meter tumbler
Sealing	IP40
Bar Code Sym bologies	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 Concatenated 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)

### ACCESSORIES

Hands-free Intellistand

### DECODE RANGES (TYPICAL)\*

	Near	Far
3 mil Code 39	0.8 in./2 cm	4.7 in./11.9 cm
4 mil Code 39	0 in./0 cm	8.5 in./21.6 cm
5 mil Code 39	0 in./0 cm	10.0 in./25.4 cm
7.5 mil Code 39	0 in./0 cm	15.5 in./39.4 cm
13 mil (100% UPC-A)	0 in./0 cm	22.4 in./56.9 cm
20 mil (Code 39)	0 in./0 cm	36.0 in./91.4 cm
26 mil (200% UPC-A)	0 in./0 cm	47.6 in./120.9 cm
100 mil reflective	0 in./0 cm	175.0 in./444.5 cm
5 mil (PDF 417)	0.8 in./2 cm	6.2 in./15.7
10 mil (Data Matrix)	0.3 in./0.8 cm	8.5 in./21.6 cm

\* Field of View limited

### WARRANTY

The DS4800 Series scanner is warranted against defects in workmanship and materials for a period of 5 years from the date of shipment except for the cable which is warranted for a period of 30 days from the date of shipment. For the complete Zebra hardware product warranty statement, go to: <http://www.zebra.com/warranty>

### RECOMMENDED SERVICES

Service from the Start Advance Exchange Support

### Innovative and flexible scanning experience

Choose any combination of visual, audio, or physical decode feedback to meet the needs of your environment. A tap, press or swipe of the capacitive touch trigger offers an individualized triggering experience for cashiers.

### Easy accurate aiming

Unique proprietary illumination system clearly defines the scanning field and offers a small, sharp aiming dot that is visible over the entire working range, making it easy to capture any bar code the first time — even on pick lists.

### Driver's license parsing option

An optional model allows you to capture and parse the information in PDF417 bar codes on driver's licenses, so your associates can complete loyalty card and credit card applications quickly and easily.

### Document capture

Capture checks, ID cards and more for easy electronic recordkeeping.

### International support

Support for over 90 international keyboards enables easy deployment anywhere in the world.

### Stylish Intellistand for flexible scanning modes — handheld and presentation

The specially designed optional Intellistand pairs beautifully with the DS4800 Series and allows your associates to automatically switch between hands-free and handheld operation.

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

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

#### Scanner Management Service (SMS)

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

#### Scanner SDK

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