



ZEBRA

# RS6000 1D/2D Bluetooth Ring Scanner

## IMPROVE PRODUCTIVITY IN YOUR OPERATIONS WITH THE INDUSTRY'S MOST ADVANCED AND MOST RUGGED BLUETOOTH RING SCANNER

When you pair your Zebra wearable or handheld mobile computers with Zebra's RS6000 Bluetooth ring scanner, you give your workers the superior technology they need to take productivity to the next level. You get our most rugged ring-style scanner, built to deliver reliable operation in the warehouse and manufacturing plant — inside, on the loading dock or in the freezer. Your workers can scan faster and almost four times farther than competitive wearable scanners. You get up to five times the battery power of competitive devices, along with instant pairing and a mode that eliminates Wi-Fi interference for fast, easy and hassle-free deployment of Bluetooth devices. And right and left hand operation with manual or triggerless scanning allows workers to use the most effective mode for the task at hand. Maximize the value of your workforce and your wearable mobile computers with the RS6000 — only from Zebra.



### Our Most Rugged Ring Scanner

The RS6000 is built to last in your most challenging warehouse and manufacturing environments. With its 6 ft./1.8 m drop specification, new tumble rating and IP65 sealing, this Bluetooth ring scanner is drop-proof, spray-proof and dust-proof. The patented Monocoque unibody housing provides the structural stability required to handle the twisting that's common during a fall or bump. Designed for subzero temperatures, the RS6000 is ready for use in the freezer.

### Capture Barcodes Faster with our Most Advanced Scanning Technology

Zebra's high performance imager with PRZM Intelligent Imaging technology enables lightning fast capture of any 1D or 2D barcode. Advanced scanning algorithms enable the capture of barcodes in virtually any condition, eliminating time-consuming exceptions. And superior motion tolerance allows your workers to capture barcodes as fast as they can press the trigger, even if items or workers are in motion.

### Ambidextrous Trigger Button and Mounts

Users can instantly switch between right and left hand operation on-the-fly, increasing flexibility and reducing fatigue.

### Tap to Pair to Create a Zebra Total Wearable Solution in Seconds

Pair the powerful Bluetooth RS6000 ring scanner with the WT6000 with a split second tap — no more scanning barcodes, manually configuring devices for discovery or accidentally pairing another nearby device.

### No Wi-Fi Interference — Guaranteed

With our Wi-Fi Friendly Mode, the opportunity for the Wi-Fi wireless interference that Bluetooth devices can create is eliminated, allowing you to give your workers worry-free advanced scanning and cordless freedom.

### Programmable Line-of-Sight Multi-Color LED Improves Worker Productivity

The RS6000 is the only wearable scanner on the market that improves task speed with programmable LED lights that are in the user's direct line-of-sight during scanning activities. With support for multiple colors, you can provide color-coded feedback to direct user activity.

### An Exceptional Cradle and a Powerful, High-Performance Battery

Zebra's PowerPrecision+ battery delivers extraordinary battery life — up to 70,000+ scans per charge. Since the same battery works in the WT6000 Wearable Computer and the RS6000, battery management is easier — there is just one type of battery to purchase and manage. You can drop the entire RS6000 into the cradle to charge it — no need to remove the battery. And you can stage, configure, update and monitor battery statistics for cradled devices, substantially minimizing IT management time — your RS6000 scanners can be reconfigured in minutes.

### Superior Bluetooth Power Efficiency

Bluetooth 4.0 provides the fastest and most power-efficient version of Bluetooth yet. And if required, support for Class 1 Bluetooth provides an extended wireless range up to 300 ft./91.4 m

### Flexible Manual or Automatic Triggering

The RS6000 can be configured with a manual trigger or can operate in triggerless mode using the integrated Proximity Sensor and accelerometer. In triggerless mode, the RS6000 can be mounted on the fingers or in a back-of-the-hand glove, while the trigger-operated two-finger mount puts users in charge of when to scan.

### New Comfortable and Hygienic Mount


The new durable, rubberized silicone mount and finger strap are comfortable, even on bare skin. And the non-absorbent material is easy to wipe down for easy cleaning at the start and end of every shift.

**GET MORE OUT OF YOUR WORKFORCE AND YOUR WEARABLE COMPUTERS.**

For more information about the RS6000 Ring-Style Imager, visit [www.zebra.com/rs6000](http://www.zebra.com/rs6000) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

# RS6000 Specifications

## PHYSICAL CHARACTERISTICS

<b>Dimensions</b>	2.9 in. L x 2.1 in. W x 1.3 in. D 74 mm L x 54 mm W x 33 mm D
<b>Weight</b>	Triggered, with battery: 6.46 oz./183 g Triggerless, with battery: 6.00 oz./170 g
<b>Power</b>	 3350 mAh capacity; PowerPrecision+; Li-Ion Battery Pack

## PERFORMANCE CHARACTERISTICS

<b>Optical Resolution</b>	1280 x 960 pixels
<b>Roll</b>	360°
<b>Pitch Angle</b>	±60° from normal
<b>Skew Tolerance:</b>	±60° from normal
<b>Aiming Element</b>	655nm Laser
<b>Illumination Element</b>	Two (2) warm white light LEDs
<b>Field of View</b>	SR: Horizontal: 48°, Vertical: 36.7° MR: Horizontal: 31°, Vertical: 23°
<b>Ambient Light Immunity (from total darkness)</b>	Indoor: 450 ft. candles (4,845 lux) Outdoor Triggered: 9,000 ft. candles (96,900 lux) Outdoor Triggerless: 1,200 ft. candles (12,917 lux)
<b>Motion Tolerance</b>	25 inch per second, typical
<b>Supported 1D Symbologies</b>	Code 39, Code 128, Code 93, Codebar/NW7, Code 11, MSI, UPC/EAN, I 2of 5, Korean 3 of 5, GSI DataBar, Base 32 (Italian Pharma)
<b>Supported 2D Symbologies</b>	PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Postal Codes.
<b>Supported OCR Symbologies</b>	OCR-A, OCR-B, MICR E13B, US Currency
<b>Supported Aiming Modes</b>	Class 2 Laser, cross hair with bright center for sunlight visibility; Pick List mode configurable
<b>Interface</b>	<b>Bluetooth:</b> Class I, v 4.0 with Bluetooth Low Energy (BLE) <b>Supporting Profiles:</b> Serial Port Profile (SPP), Human Interface Device Profile (HID), Service Discovery Application Profile (SDAP) <b>NFC Tag:</b> Tap-to-Pair; used to simplify the pairing process. <b>Pairing:</b> by reading terminal BT address as a barcode on the host Zebra device.

## USER INTERFACE

<b>LED</b>	Line of Sight (LOS) 2 RGB LEDs located at the back side of the device (programmable) Radio and battery capacity status 1 RGB LED located on the top side of the device
<b>Beeper</b>	Up to 85 dBA @ 10 cm from the back of the device beeper port
<b>Restore Key</b>	User accessible for emergency warm boot and Bluetooth reconnect (after disconnect timeout)
<b>Scan Triggering</b>	Manual or automatic via Proximity Sensor technology

## USER ENVIRONMENT

<b>Operating Temp.</b>	-22°F to +122°F/-30°C to +50°C
<b>Storage Temp.</b>	-40°F to +140°F/-40°C to +60°C incl. battery -40°F to +158°F/-40°C to +70°C excl. battery
<b>Humidity</b>	5% to 95% non-condensing
<b>Drop Rating</b>	Multiple 6 ft./1.8 m drops to concrete over the operating temperature range
<b>Tumble Rating</b>	1,000 tumbles @ 0.5 m
<b>Sealing</b>	IEC 60529: IP65
<b>Vibration</b>	Sine 5-2000Hz, 4g peak, 1 hour per axis; Random 20-2000Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis
<b>Electrostatic Discharge (ESD)</b>	+/-20kVdc air discharge +/-10kVdc contact discharge

## SOFTWARE COMPATIBILITY

123Scan<sup>2</sup>, DataWedge and MDM solutions (via Zebra's MDM toolkit)

## RECOMMENDED SERVICES

Zebra OneCare

## WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the RS6000 is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit: <http://www.zebra.com/warranty>

## SE4750-SR FOCUS (STANDARD RANGE)\*

Symbology	Near	Far
<b>3 mil Code 39</b>	3.7 in./9.3 cm	5.4 in./13.7 cm
<b>5 mil Code 128</b>	3.2 in./8.1 cm	7.6 in./19.3 cm
<b>5 mil PDF417</b>	4.0 in./10.1 cm	7.0 in./17.7 cm
<b>6.67 mil PDF417</b>	2.9 in./7.3 cm	9.0 in./22.8 cm
<b>10 mil DataMatrix</b>	3.0 in./7.6 cm	9.4 in./23.8 cm
<b>100% UPCA</b>	1.8* in./4.5* cm	20.0 in./50.8 cm
<b>15 mil Code 128</b>	2.4* in./6.0* cm	22.0 in./55.8 cm
<b>20 mil Code 39</b>	1.6* in./4.0* cm	30.0 in./76.2 cm

## SE4750-MR FOCUS (MID RANGE)\*

<b>5 mil Code 128</b>	8.2 in./20.8 cm	15.0 in./38.1 cm
<b>5 mil PDF417</b>	9.3 in./23.6 cm	12.5 in./31.7 cm
<b>7.5 mil DataMatrix</b>	9.1 in./23.1 cm	12.0 in./30.4 cm
<b>10 mil DataMatrix</b>	7.8 in./19.8 cm	16.5 in./41.9 cm
<b>13 mil UPCA</b>	2.3* in./5.8* cm	33.0 in./83.8 cm
<b>15 mil Code 128</b>	4.0* in./10.1* cm	34.0 in./86.3 cm
<b>20 mil Code 39</b>	2.1* in./5.3* cm	45.0 in./114.3 cm
<b>100 mil Code 39</b>	11.0 in./27.9 cm	127.0 in./322.5 cm
<b>160 mil DataMatrix</b>	11.5 in./29.2 cm	105.0 in./266.7 cm

\* NOTE: The ranges in the above charts are limited by the width of the barcode in the field of view.

## Ideal for:

### Warehousing

- Warehouse management
- Receiving
- Picking/Voice Picking
- Put-away
- Sorting
- Loading

### Manufacturing

- Inventory management
- Replenishment
- Parts tracking

### Transportation and Logistics

- Warehouse management

### Retail

- Back of store warehouse management
- Receiving
- Inventory management
- Sortation

Specifications subject to change without notice.



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