

## RS5100 Ring scanner 2D, Bluetooth, USB-C, double trigger, SE4710

The robust Bluetooth ring scanner Zebra RS5100 is suitable for both right- and left-handers. With its low weight of just 70 grams it is extremely light and may be carried around the entire day nearly everywhere. That makes it the ideal partner in demanding work areas such as in the warehouse, transportation, logistics, manufacturing, sales and field service.

The RS5100 is equipped with a powerful replaceable 480 mAh battery, which lasts up to 12 hours when fully charged, or up to 14,400 scans. For cold environments or longer shifts Zebra offers an enhanced battery with 735 mAh. In addition to NFC the ring scanner features Bluetooth support. Thus, it remains connected even up to 90 meters from the host device. The RS5100 also reliably and quickly captures 1D and 2D barcodes, as well as OCR, thanks to an intelligent combination of imaging hardware, software and optics (PRZM) from Zebra and a powerful megapixel sensor. And in almost any condition – whether they are damaged, dirty or poorly printed. A clear good scan confirmation occurs via an acoustic signal or various programmable LEDs on the rear of the scanner, which also blink, as needed. An optional vibration function is also integrated. The ring scanner is also robust. It easily withstands multiple falls from up to 1.8 meters and is fully protected against the ingress of dust and splash water according to its IP65 certification. Plus, the metal buckles and nylon straps do not stretch, to avoid wear. The RS5100 is supported by service contracts for the Zebra services OneCare Essential, OneCare Select and Zebra Mobility DNA offerings. Among others, old and non-fully charged batteries are recognised with the use of »PowerPrecision Conso



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# Technical Description

## Functionality & Operation

|                          |   |
|--------------------------|---|
| Operation interface      | ON/OFF , double sided trigger   |
| Communication interface  | USB-C charging  |
| Wireless communication   | Bluetooth®, NFC   |
| Indicators               | 4 RGB LEDs, beeper  |
| 1D Barcode Symbolologies | Code 39, Code 128, Code 93, Code 11, MSI, UPC/EAN, Industrial 2 of 5, Korean 3 of 5, GS1-DataBar, Base 32 , CodaBar/NW7   |
| 2D Code Symbolologies    | Aztec, Složené kódy, MaxiCode, Micro QR Code, OCR-A, OCR-B, PDF417, QR code, TLC-39, MicroPDF417, Data Matrix , Chinese Sensible (Han Xin), Postal Codes                                      |
| WPAN Features            | Class 1 and 2, Bluetooth v4.0 with BluetoothLow Energy (BLE);Supporting profiles: Serial Port Profile (SPP), HumanInterface Device Profile (HID), Service DiscoveryApplication Profile (SDAP) |

## Optical

|                     |  |
|---------------------|--|
| Depth of scan field | 46 - 760 mm  |
| Maximal skew angle  | 60%  |
| Maximal pitch angle | 60%  |
| Resolution          | 1280 x 960 pixels  |
| Bar code scanner    | 2D Imager SE4710SR   |
| Light source        | Aiming 610 nm LED, Illumination 1 Hyper Red 660 nm LED, Standard Range |

## Electrical

|                   |                                     |
|-------------------|-------------------------------------|
| Main battery pack | Rechargeable Li-Ion battery 480 mAh |
|-------------------|-------------------------------------|

## Mechanical

|              |  |
|--------------|--|
| Color        | black, light grey, yellow              |
| Body housing | ABS plastic                            |
| Dimensions   | Width: 28mm, Height: 21mm Length: 61mm |
| Weight       | 70g                                    |

## Environment

|                             |  |
|-----------------------------|--|
| Electrical static discharge | ±20kV air, ±10kV contact   |
| Maximal ambient light       | 107639lux  |
| Shock resistance            | 1000 tumbles at 50 cm, multiply drops from 1,8 m onto concrete surface                         |
| Vibrations resistance       | Sine 5-2000Hz, 4g peak, 1 hour per axis; Random20-2000Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis |
| Operating temperature       | -20 to 50°C  |

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