

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
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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

CODEWARE, s.r.o.

Jaromírova 484/37
120 00 Praha 2 - Nusle
IČ: 61061395, DIČ: CZ61061395

+420 222 562 444
codeware@codeware.cz
<https://www.codeware.cz/>

