

# SAVEO-RNG-Z1D

- HIGH-PERFORMANCE ZEBRA SE955 1D LASER SCAN ENGINE
- BLUETOOTH 4 LOW ENERGY
- SWIVEL-DESIGN SUITS RIGHT & LEFT-HAND USE
- ANDROID / WINDOWS / BLUETOOTH-ENABLED DEVICES
- HID & SPP CONNECTIVITY
- SAVEO WEARABLE ACCESSORY SUPPORT



Performance characteristics	
Scan Engine	Zebra SE955
Illumination Element	Visible Laser Diode 650 nm
Scan Speed	104 (±) 12 scans/sec (bi-directional)
Sensor	Laser 1D
Reading angle	47° ± 3° (typical) / 35° ± 3° (narrow)
Print contrast	≥ 20%
Indicators	Audible Beeper
Battery Type	450mAh Li-Ion battery (10,000 scans)
Interface	Bluetooth (HID), Bluetooth (SPP) v4.1 LE
Bluetooth Radio Range	BT Class 1, 2.4 GHz (100m, in open area)

Symbologies
All major 1D bar codes, including: Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, UPC-A, UPC-E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32 (PARAF)

Physical characteristics	
Dimensions	21.17 mm x 14.6 mm x 11.52 mm(L*W*H)
Weight	.28 oz./ 8 g

Electrical characteristics	
Input voltage	5 V/DC ± 5%
Current - operating	Input Voltage: 3.3 VDC± 10% Scan Current: 76 mA typical Standby Current: 12 µA max.

User Environment	
Operating temperature	-4° to 140°F (-20° to 60°C)
Storage temperature	-40° to 158°F (-40° to 70°C)
Humidity	5% to 95%, non-condensing
Ambient Light	0–100,000 lux (total darkness to bright sunlight)

Depth of Field	
4 mil: Code 39	2.5:1 - 80% MRD: 1 - 5.5 (in) / 2.5 - 13.97 (cm)
5 mil: Code 39	2.5:1 - 80% MRD: 1.25 - 8 (in) / 3.18 - 20.32 (cm)
7.5 mil: Code 39	2.5:1 - 80% MRD: 1.5 - 13 (in) / 3.81 - 33.02 (cm)
10 mil: Code 39	2.5:1 - 90% MRD: 1.5 - 18 (in) / 3.81 - 45.72 (cm)
13 mil 100% UPC	2.5:1 - 90% MRD: 1.5 - 24 (in) / 3.81 - 60.96 (cm)
15 mil: Code 39	2.5:1 - 80% MRD: 1.5 - 28 (in) / 3.81 - 71.12 (cm)
20 mil: Code 39	2.2:1 - 80% MRD: 1.75 - 33 (in) / 4.45 - 83.82 (cm)
40 mil: Code 39	2.2:1 - 80% MRD: * - 36 (in) / x - 91.44 (cm)
55 mil: Code 39	2.2:1 - 80% MRD: * - 45 (in) / x - 114.30 (cm)