

# GS R3520 Ring Scanner

GS R3520, a 2D wearable scanner provides a great user experience with enterprise-class durability, which enables high performance scanning on printed and mobile barcodes with intuitive illumination field and LED aimer.

Integrate dual-mode Bluetooth 4.0 technology with IOS, Android and Windows, which not only significantly increases productivity, reduces error rates, but also provides a perfect solution for warehouse, distribution center, manufacturing, etc.

It also features with vibration alerts, AI identifier recognition, real-time transmission and batch data offline upload.



## APPLICATION SCENARIOS



Direct Store Delivery



Ticket Service



Healthcare



Warehouse



Retail



Manufacturing



Parcel Express

## ACCESSORIES



Bluetooth Dongle  
GS100BT-Plus



Dual-Slot  
Battery Charger


## FEATURES

- Engine option, Zebra SE2707
- Rugged internal structure owe to protecting PCBA with aluminum alloy frame.
- Robust external structure with enhanced hardness of body and imager window
- Versatile wearable options-wear on finger, with glove or lanyard as you like
- Two replaceable battery capacities, one is 400mAh and the other is 600mAh, to greatly improve work efficiency
- Updated removable trigger
- New function, NFC, tag to pair

# PRODUCT SPEC SHEET

## GS R3520 Ring Scanner

### PHYSICAL CHARACTERISTICS

Dimensions	With standard battery : 64.8mm(L)×34.5mm(W)×24.7mm(D) 2.55in.(L)×1.36in.(W)×0.97in.(D). With extended battery : 64.8mm(L)×34.5mm(W)×26.1mm(D) 2.55in.(L)×1.36in.(W)×1.03in.(D)
Weight	With standard battery :43g /1.52oz With extended battery :46g /1.62oz
Battery Capacity	Standard battery: 400mAh Extended battery: 600mAh
Charging	5V  1A
Charging Time	400mAh, 80min 600mAh, 100min
Battery Life	400mAh, 9.6h (to be triggered every 5 seconds) 600mAh, 14.3h (to be triggered every 5 seconds)
Notification	LED, Buzzer, Vibration

### BLUETOOTH

Bluetooth Profiles	HID Keyboard, SPP and Bluetooth low energy (BLE)
Bluetooth Range	Communication distance connected to mobile phone >164.04ft./50m (without obstructions)
Bluetooth OTA	Bluetooth SPP OTA

### USB

USB Interface	USB Type-C
USB Profiles	USB HID Keyboard, USB VCP (Virtual Serial Port)
Multilingual keyboards	USB HID mode supports multilingual keyboards

### USER ENVIRONMENT

Ambient Light	Max 107,639 lux (direct sunlight)
Operating Temperature	14°F ~ 122°F / -10°C~50°C
Storage Temperature	14°F ~ 122°F / -10°C~50°C
Humidity	5% to 85% non-condensing
Drop Spec.	Multiple 4.9 ft./1.5 m drops to concrete over the operating temperature range with protective case.
Certification	CE, FCC, KC, TELEC, RoHS, ANATEL, NOM, EAC

### PERFORMANCE CHARACTERISTICS

Optical Resolution	640 x 400 pixels
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60° Pitch tolerance: ±60° Roll tolerance: 360°
Field of view	42° horizontal, 28° vertical
Illumination Element	1 Hyper Red 660nm LED
Aiming Element	610nm LED
Supported Symbologies	UPC-A, UPC-E, UPC-E1, EAN-8 JAN 8, EAN-13/-JAN 13, Bookland EAN, ISSN EAN, Code 128, GS1-128, ISBT-128, Code 39, Trioptic Code 39, Code 93, Code 11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Codabar, MSI, GS1 DataBar-14, GS1 DataBar Limited, GS1 DataBar Expanded, Composite Codes: Composite CC-C, Composite CC-A/B, Compo PDF417, MicroPDF417, Code 128 Emulation, DataMatrix, Maxicode, QR Code, MicroQR Code, Aztec Code, Han Xin "
Interface	USB, Bluetooth
Offline Mode	Support storage 5000 EAN-13 barcodes

### DECODE RANGES

5mil Code39	5.1cm~16.2cm/2.0in.~6.4in.
5mil Code128	6.3cm~12.7cm/2.5in.~5.0in.
6.6mil PDF417	6.3cm~16.0cm/2.5in.~6.3in.
10mil PDF417	4.5cm*~22.8cm/1.8in.*~9.0in.
13mil 100% UPC	5.0cm*~31.7cm/2.0in.*~12.5in.
20mil Code39	5.0cm*~49.5cm/2.0in.*~19.5in.
20mil DataMatrix	3.8cm~34.3cm/1.5in.~13.5in.
20mil QR Code	3.8cm~27.9cm/1.5in.~11.0in.

### SOFTWARE SUPPORT

Generalscan Keyboard Pro

Generalscan SDK Demo

Generalscan OTA Tools

Generalscan iCode

G-Service

# GENERALSCAN

Generalscan Electronics GmbH  
Heinrich-Koulen-Weg 3,52525 Heinsberg, Germany  
+49 15167161256 +49 24529892299

Generalscan Inc.  
200 Buckelew Ave, Jamesburg, NJ, 08831, USA  
+1 1469583-7367