

# GS R3520 Ring Barcode Scanner

### Metal frame structure

With this delicate design, the PCBA is protected from drops and bumps due to the metal protective frame, which ensures reliable operation. Passed the 1 meter 20,000 times rolling test, the performance is reliable.

### Shell material is Hard

The hardness of shell (ABS+PC material) has been greatly improved, is impact-resistant, tensile-resistant, and meets enterprise-grade standards; The imager window (acrylic material) has high strength and strong light transmission.

### Scan engine, Zebra SE2707

Bright, rectangular illumination field and LED aiming spot makes scanning more fast and easy.

### Long battery life

600mAh large-capacity battery, up to 14 hours of use;

The battery can be replaced quickly, and it is equipped with dual-charge and multi-charge chargers;

Up to 16 batteries can be charged at the same time to ensure continuous work in multiple shifts.

### Ring Wear

Like wearing a ring, it is small, light and efficient;

With Ring trigger, workers can choose and decide to use left or right hand to work and swap scanning hands on the fly.

### Wide applicability

High-quality scanning for printed and mobile barcodes. It can capture virtually any barcode printed on paper labels or displayed on mobile phones;

Support HID, SPP, BLE three transmission protocols;

Support two modes of classic bluetooth and low energy bluetooth;

USB mode supports keyboard and virtual serial port, adapting to various application interfaces.

### Application field

The scanner can be widely used in manufacturing, warehousing, logistics, retail and express transportation, and has incomparable advantages in improving production efficiency and accuracy.



## ACCESSORIES



Bluetooth Dongle  
GDR201



Battery charger  
GS GCR202(8-slot)/203(16-slot)



Battery Charger  
Dual-Slot Battery Charger



Armband  
(AB1800)



Ring holder

## PRODUCT SPECIFICATION

### Wearable Barcode Scanner GS R3520

#### PHYSICAL PARAMETER

Dimensions	64.9mm(L) × 34.5mm(W) × 24.7mm(D)
Weight	30.3g(Scanner body)
Battery Capacity	Standard battery: 400mAh Extended battery: 600mAh
Charging	5V ---1A
Charging Time	400mAh, 80min 600mAh, 100min
Battery Life	400mAh, 10.7h(scan once in 5 seconds) 600mAh, 16.1h(scan once in 5 seconds)
Notification	LED, Buzzer, Vibration

#### PERFORMANCE CHARACTERISTICS

Optical Resolution	600 x 480 pixels
Shutter	Rolling shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60° from normal Pitch tolerance: ±60° from normal Roll tolerance: 360° from normal
Illumination	Red LED
Aiming	Red LED
Supported Symbologies	1D: Code39, Code128, Codabar, Code11, UPC/EAN, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 Databar, Code93, MSI, Composite 2D: PDF417, Postal CodesMicro PDF, Micro PDF417, Code128 Emulation, Aztec, Data Matrix, GS1 Data Matrix, QR Code, GS1 QR, Maxicode, Micro QR, Han Xin, Grid Matrix
Interface	USB, Bluetooth
Offline Mode	Support storage of 5000 EAN-13 barcodes

#### BLUETOOTH

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

#### USB

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

#### USER ENVIRONMENT

Ambient Light	Max 107639lux (direct sunlight)
Operating Temperature	-10°C~50°C
Storage Temperature	-10°C~50°C
Humidity	5% - 85% non-condensing
Drop Spec.	Multiple 4.9ft./1.5M drops to concrete
Tumble Spec.	Scanner body withstands 20,000 times from 3.3ft./1M with frequency of 10 times per minute.
Electrostatic Discharge (ESD)	±8kv DC discharge, ±15kv air discharge
Certificates	CE, FCC, KC, TELEC, RoHS, ANATEL, NOM, EAC

#### SOFTWARE SUPPORT

Generalscan Keyboard Pro, Generalscan SDK Demo, Generalscan OTA Tools, Generalscan iCode, G-Service

#### DECODE RANGES

5mil Code128	63-127MM
5mil Code39	51-162MM
6.6mil PDF417	63-160MM
10mil PDF417	45-228MM
20mil Code39	50-495MM
100% UPC	50-317MM
20mil DataMatrix	38-343MM
20mil QR	38-279MM

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