

# GS R3520 Thumbbutton Barcode Scanner

## Rugged internal structure owes to protecting PCBA with aluminum alloy frame

With this delicate design, the PCBA is protected from drops and bumps due to the metal protective frame, which ensures reliable operation.

## Robust external structure with enhanced hardness of body and imager window

The hardness of shell and imager window has been greatly improved, which contributes to the enterprise-class ruggedness and durability.

## Suitable for Standard Range Scanning

GS R3520 is the cost-effective choice for standard range scanning. The furthest distance is 495MM when scan barcode Code 39 of 20 mil, and the furthest distance is 317MM when scan barcode of 100% UPC-A.

## Scan engine, Zebra SE2707

High-quality scanning for printed and mobile barcodes. It can capture virtually any barcode printed on paper labels or displayed on mobile phones. Bright, rectangular illumination field and LED aiming spot. Users instantly know if they are aiming at the right spot for exceptional ease of use.



## The rapidly-replaced battery minimizes the downtime

600mAh battery provides a longer battery lifecycle and ensures uninterrupted full-shift operation. The feature of swappable helps to increase the productivity during receiving, inventorying, picking, sorting, packing, etc.



## Versatile wearable options

With Thumbbutton, workers can wear scanners around the neck or on a belt or just hold it in hand with switching freely between left and right hand. In a word, keeping the scanner at hand is ideal for occasional scanning.

## Application fields

GS R3520 can be used widely in manufacturing, warehousing, logistics, retail, and transportations industries. It has incomparable advantages in improving quality and accuracy.

## ACCESSORIES



**Bluetooth Dongle**  
GS GDA201



**Battery Charger**  
GS GCR202(8-slot)/203(16-slot)



**Battery Charger**  
GS GCR201(Dual-Slot)



**Armband**  
(AB1800)



**Thumbbutton trigger button + Lanyard**

## PRODUCT SPECIFICATION

Wearable Barcode Scanner GS R3520

### PHYSICAL PARAMETER

Dimensions	2.6in.(L) x 1.4in.(W) x 0.9in.(H) 64.8mm(L) x 34.6mm(W) x 24.8Mm(H)
Weight	30.3g(Scanner body)
Battery Capacity	600mAh
Charging	5V---1A
Charging Time	120min
Battery Life	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: $\pm 60^\circ$ from normal Pitch tolerance: $\pm 60^\circ$ from normal Roll tolerance: $360^\circ$ 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	Scanner: USB, Bluetooth
Offline Mode	Support storage of 4388 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 107,639lux (direct sunlight)
Operating Temperature	14°F ~ 122°F / -10°C~50°C
Storage Temperature	14°F ~ 122°F / -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 minutes.
Electrostatic Discharge (ESD)	$\pm 8$ kv DC discharge, $\pm 15$ kv 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	63.0 -127.0 MM
5mil Code39	51.0 -162.0 MM
6.6mil PDF417	63.0 -160.0 MM
10mil PDF417	45.0 -228.0 MM
20mil Code39	50.0 -495.0 MM
100% UPC	50.0 -317.0 MM
20mil DataMatrix	38.0 -343.0 MM
20mil QR	38.0 -279.0 MM

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