

# GS R5522 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.

**Scan engine, Zebra SE4750MR**

Data capture capabilities of it is comprehensive. It can capture 1D and 2D barcodes in milliseconds, from high resolution photos, to letter, legal, A4 and A5 documents that are fully searchable and editable. There is no need to ever align the bar code and imager for highly intuitive and rapid bar code capture.

**Suitable for medium and long-Range Scanning**

GS R5522 decodes barcode Code 39 of 100mil 4369MM away, and barcode 100% UPC-A 965MM away.

**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.

**Maximum ROI with multiple replaceable parts**

The removable and swappable battery and trigger assemblies and retractable lanyard compatible with all the Generalscan scanner bodies, Maximizing return on investment.

**Featured with Zebra's latest decoder - PL5000**

The image sensor array in the imager engine captures an image of the barcode through the engine's optical lens. The engine automatically adjusts illumination, exposure, and other parameters to obtain the best quality image.

**Application fields**

GS R5522 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 R5522

### PHYSICAL PARAMETER

Dimensions	2.76in.(L) x 1.43in.(W) x 1.06in.(H) 70.00mm(L) x 36.00mm(W) x 26.80mm(H)
Weight	40.7g(Scanner body)
Battery Capacity	600mAh
Charging	5V ---1A
Charging Time	120min
Battery Life	9h(scan once in 5 seconds)
Notification	LED, Buzzer, Vibration

### PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 960 pixels
Shutter	Global 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
Field of View	Horizontal $31^\circ$ , Vertical $23^\circ$
Illumination	White LEDx2
Aiming	Red Cross Laser
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, DotCode, OCR
Interface	Scanner: 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 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

5 mil Code 128	188.0 - 406.0 MM
5 mil PDF417	206.0 - 333.0 MM
7.5 mil DataMatrix	211.0 - 325.0 MM
10 mil DataMatrix	178.0 - 432.0 MM
13mil UPC-A	58.0 - 965.0 MM
15 mil Code 128	102.0 - 1016.0 MM
20mil Code 39	53.0 - 1372.0 MM
100 mil Code 39	279.0 - 4369.0 MM
160 mil DataMatrix	292.0 - 3505.0 MM
20 mil QR Code	71.0 - 676.0 MM

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