

# GS R3522 Ruglove Barcode Scanner

## Work longer without stopping

With a 600mAh high-capacity battery, R3522 can operate for up to 21 hours at a 5-second scanning interval. This extended usage time minimizes the need for frequent charging, making it ideal for high-demand environments like warehouses, logistics centers, and retail operations. Workers no longer need to frequently replace batteries or charge them, greatly improving work efficiency.

## Global shutter enhances precision in motion

The global shutter captures all pixels at the same time, avoiding image distortion caused by rolling exposure - such as wobble, skew, or aliasing. This is essential for scanners, as it enhances both the accuracy and reliability of image capture. In the logistics sorting center, the traditional rolling shutter scanner has a miss scan rate of up to 15% on a 2.5m/s conveyor belt. The global shutter scanner can reduce the miss scan rate to 1%, and the daily processing package volume can be increased by 20%.

## Sturdy and Flexible Gloves Tailored for Demanding Work Settings

The gloves come with either silicone straps or Lycra straps. Both options are long-lasting, with the silicone strap being particularly suitable for cold work settings. In such environments, workers can wear the Ruglove scanner over their existing gloves. This not only enables scanning of barcodes but also provides added warmth and protection for the hands in cold conditions. In addition, both gloves are available in left-hand and right-hand versions, allowing workers to choose to operate with their left or right hand and quickly switch between left and right hands.

## Universal connectivity - R3522 speaks every system's language

The R3522 supports nearly all 1D and 2D barcodes, including color codes. It offers flexible connectivity options including HID, SPP, and BLE protocols, and supports both classic and low-energy Bluetooth, as well as USB keyboard and virtual COM port modes.



## ACCESSORIES



Armband  
AB1800



Silicone Glove+Trigger



Lycra Glove+Trigger



Bluetooth Dongle  
GDA201



Battery Charger  
GS GCR201(Dual-slot)



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

# PRODUCT SPEC SHEET

## Wearable Barcode Scanner GS R3522

### PHYSICAL PARAMETER

Scanner Dimensions	64.8mm(L) × 34.6mm(W) × 24.8mm(D)
Scanner Weight	37.0g(Scanner body)
Battery Capacity	600mAh
Charging	5V---1A
Charging Time	120min
Battery Life	21h(scan every 5 seconds)
Notification	LED, Buzzer, Vibration

### PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 800 pixels
Shutter	Global shutter
Sensor	2D CMOS Image
Skew, Pitch & Roll	Skew tolerance: ±60° from normal Pitch tolerance: ±60° from normal Roll tolerance: 360° from normal
Illumination	White LED
Aiming	Red LED
Supported Symbolologies	1D: Code39, Code128, Code 39 full ascii, Trioptic Code39, Code 32, UPC-A, UPC-E, UPC-E1, UPC-E+, UPC-A+, EAN8/JAN8, EAN13/JAN13, Bookland EAN/ISBN, MSI, Codabar, Code11, Interleaved 2 of 5, Industrial 2 of 5, Chinese 2 of 5, Matrix 2 of 5, ISBT, GS1 Databar14, GS1 Databar Limited, GS1 Databar Expanded, GS1-128, Code93 2D: PDF417, Micro PDF417, QR Code, DataMatrix, Micro QR, Hanxin, Grid Matrix, Aztec, Maxicode, GS1 QR, GS1 DataMatrix, GS1 Composite(CC-A/CC-B/CC-C)
Interface	USB, Bluetooth
Offline Mode	Support storage of 3839 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 100000lux (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	±8kv DC discharge, ±15kv air discharge
Discharge (ESD)	
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

3 mil Code 39	60.0 - 190.0MM
5 mil Code 39	30.0 - 310.0MM
5 mil QR Code	85.0 - 120.0MM
13 mil EAN13	45.0 - 520.0MM

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