**GENERALSCAN**

# GS R5524 Wearable Bluetooth Scanner

**The most compact, most rugged design with enterprise-class durability.**

Do you need an extremely compact and enterprise-class rugged Bluetooth barcode scanner? Do you have problems to decode the barcode which is 40 ft. / 12.2 m away? GS R5524 wearable scanner can help you! It can easily capture 1D and 2D barcodes in at a variety of distance and light conditions with adjustable illumination and intelligent autofocus. It integrates dual-mode Bluetooth 4.0 technology with IOS, Android and Windows, which significantly increases productivity and reduces error rates. It also features NFC, vibration alerts, AI identifier recognition, real-time transmission and batch data offline upload. It is quite suitable for a variety of applications, from warehouse to front-of-store.

**Versatile wearable options-wear with Ring trigger, Ruglove or Thumbutton as you like**

All wearing accessories are interchangeable, Ring trigger, Thumbutton and Ruglove. Allow workers to adjust the position of scanner on the hand to achieve the best comfort, better flexibility and higher productivity. Give each scanning operation a comfort and secure custom fit. With Ring trigger and Ruglove, workers can choose and decide to use left or right hand to work and swap scanning hands on the fly. With Thumbutton, workers can wear scanners around the neck or on a belt to keep the scanner at hand. This is ideal for occasional scanning. Worker can share the same scanner body with their own wearable accessories without germs.

**Scan engine Zebra SE55**

Large working range

GS R5524 wearable scanner has an extraordinary working range — from 2.2 in./5.6 cm to over 40 ft./12.2 m.

Highly visible green laser aimer

The engine SE55 includes an innovative wide aim pattern green laser aimer with a wide targeting pattern that's up to 7x more visible than a red aimer dot.

**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.

**Replaceable 600mAh battery greatly improves working efficiency**

It provides a longer battery lifecycle and ensures uninterrupted full-shift operation. It is designed to support back-to-back shifts without recharging and avoid trips to the service depot to replace dead batteries. It helps to increase the productivity during receiving, inventorying, picking, sorting, packing, etc.

**NFC pairing saves at least half of the connection time**

Using the NFC makes the Bluetooth connection more convenient and faster. User can simply tap the scanner with any NFC-enabled devices. No need to open the Bluetooth settings to identify and select the device.

GS R5524 Ring          GS R5524 Thumbutton

GS R5524 Ruglove

## APPLICATION SCENARIOS

Direct Store Delivery

Ticket Service

Healthcare

Warehouse

Retail

Manufacturing

Parcel Express

## ACCESSORIES

Bluetooth Dongle GS100BT-Plus

Dual-Slot Battery Charger

Battery

# PRODUCT SPEC SHEET

## GS R5524 Wearable Bluetooth Scanner

### PHYSICAL CHARACTERISTICS

| | |
|---|---|
| Dimensions | 70.0mm(L)×36.4mm(W)×28.4mm(D) |
| | 2.76in.(L)×1.43in.(W)×1.12in.(D) |
| Weight | 59g /2.08oz |
| Battery Capacity | 600mAh |
| Charging | 5V ⎓1A |
| Charging Time | 100min |
| Battery Life | 6.9h (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. |
| Tumble Spec. | Scanner body withstands 20,000 3.3ft./1.0 m tumbles. |
| Electrostatic Discharge (ESD) | ±8kVdc contact discharge; ±15kVdc air discharge; |
| Certification | CE, FCC, KC, TELEC, RoHS, ANATEL, NOM, EAC |

### PERFORMANCE CHARACTERISTICS

| | |
|---|---|
| Optical Resolution | 2688 x 1520 pixels, global shutter |
| Sensor | 2D CMOS Image |
| Skew, Pitch & Roll | Skew tolerance: ±60° |
| | Pitch tolerance: ±60° |
| | Roll tolerance: 360° |
| Field of view | 37° horizontal , 21° vertical |
| Illumination | 2 Warm-White LED |
| Aiming LED | Green Laser 520nm |
| Supported Symbologies | Code39, Code128, Codabar, Code11, UPC/EAN, 2of5 Databar, Code39, MSI, UK Plessy, Telepen, Composite, TLC-39 Postal Codes, PDF, Micro PDF, Composite, TLC-39, Aztec, Data Matrix, QR, Maxicode, Han Xin, Grid Matrix, OCR |
| Interface | USB, Bluetooth |
| Offline Mode | Support storage 5000 EAN-13 barcodes |

### DECODE RANGES

| | |
|---|---|
| 3mil Code 39 | 69-411 mm(2.7-16.2 in) |
| 5mil Code 39 | 64-676 mm(2.5-26.6 in) |
| 5mil PDF417 | 71-498 mm(2.8-19.6 in) |
| 6.7mil PDF417 | 66-650 mm(2.6-25.6 in) |
| 10mil DataMatrix | 56-688 mm(2.2-27.1 in) |
| 100% UPC(13mil) | 64-1800 mm(2.5-71 in) |
| 15mil Code 128 | 182-1829 mm(7.2-72 in) |
| 200mil DataMatrix | 200-14400 mm(7.9-566.9 in) |
| 200mil QR | 250-18000 mm(9.8-708.7 in) |

### SOFTWARE SUPPORT

Generalscan Keyboard Pro

Generalscan SDK Demo

Generalscan OTA Tools

Generalscan iCode

G-Service

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