

GS R5521 Ruglove 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 SE4770

The engine of GS R5521 has the maximum motion tolerance. High first-pass read rates of it allow workers to quickly capture barcodes, whether the scanner or the barcode are in motion. GS R5521 captures large barcodes and multiple barcodes quickly and easily with a larger 'sweet spot' - no need for users to spend time repositioning the device to capture the barcode.



Comfortable wearing style

The triggers are rated for millions of pressing - instead of the typical few hundred thousand trigger presses. It is obvious that the frequency of replacing triggers getting lower, and also the cost.



Instant pairing - just tap and go

With NFC, simply tap the GS R1120 on NFC-enabled Zebra devices - no need to scan a pairing barcode or open bluetooth settings to identify and select the device.

Features with Zebra latest decoding solution - 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 R5521 widely used in manufacturing, warehouse, logistics, retails and transportation. It has unparalleled advantages in production efficiency and accuracy.

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 R5521

PHYSICAL PARAMETER

Scanner Dimensions	2.8in.(L) x 1.4in.(W) x 1.1in.(H) 70.00mm(L) x 36.00mm(W) x 26.80mm(H)
Scanner Weight	37g (scanner body)
Battery Capacity	600mAh
Charging	5V---1A
Charging Time	120min.
Battery Life	9.93h (to be triggered every 5 seconds)
Notification	LED, Buzzer, Vibration

PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 800 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° from normal
Field of View	Horizontal 48° , Vertical 30°
Illumination	White LED
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 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 107639lux (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.
IP Level of Glove	Washable
Electrostatic Discharge (ESD)	± 8 kv DC discharge, ± 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

3 mil Code 39	3.0in. - 5.8in. /76 mm - 147 mm
5 mil Code 128	2.3in. - 9.8in. /58 mm - 249 mm
5 mil PDF417	2.5in. - 10.1in. /64 mm - 257 mm
6.67 mil PDF417	3.0in. - 7.9in. /76 mm - 201 mm
10 mil DataMatrix	2.1in. - 11.0in. /53 mm - 279 mm
100% UPCA	1.6in. - 24.9in. /41mm - 632 mm
15 mil Code 128	2.4in. - 27.8in. /61 mm - 706 mm
20 mil Code 39	1.6in. - 36.1in. /41 mm - 917 mm

GENERALSCAN

Generalscan Inc.

📍 200 Buckelew Ave, Jamesburg,
NJ 08831, USA
☎ +1 732 895 6821

Generalscan Electronics GmbH

📍 Hochstraße 42, 52525
Heinsberg Germany
☎ +49 1516 7161256

Generalscan LLC

📍 Calle San Luis Potosi 51,
Roma Norte 06700,
Ciudad de México
☎ +52 5552727861

GENERALSCAN ELEKTRONIK VE TEKNOLOJİ SAN. VE TİC. LTD. ŞTİ.

📍 FSM Mah. Siir Sk. Relux Plaza No 10,
Ümraniye 34764,
İstanbul, Turkey
☎ +90 542 478 5873