

GS R5522 Ring Barcode Scanner

Metal frame structure

With this delicate design, the PCBA is protected from drops and bumps due to the metal protective frame, which ensures reliable operation. Passed the 1 meter 20,000 times rolling test, the performance is reliable.

Shell material is Hard

The hardness of shell(ABS+PC material) has been greatly improved, is impact-resistant, tensile-resistant, and meets enterprise-grade standards. The imager window(acrylic material) has high strength and strong light transmission.

Scan engine, Zebra SE4750MR

Support resolution 1280×960, 1.2 million pixel camera. Scan images more clearly. Decode high-density, low-contrast barcode faster.

Suitable for medium and long distance scanning

When GS R5522 scans 100% UPC-A code, the distance can reach 965 mm, and when scanning 100 mil Code39 bar code, the distance can reach 4369 mm.

Long battery life

600mAh large-capacity battery, up to 9 hours of use. The battery can be replaced quickly, and it is equipped with dual-charge and multi-charge chargers. Up to 16 batteries can be charged at the same time to ensure continuous work in multiple shifts.

Wide applicability

Almost all 1D or 2D barcodes can be recognized. Support two modes of classic bluetooth and low energy bluetooth. Support HID, SPP, BLE three transmission protocols. USB mode supports keyboard and virtual serial port, adapting to various application interfaces.

Use Zebra's latest decoding solution PL5000

GS R5522 has shorter decoding time, larger range, excellent mobile adaptability, more advanced barcode and data acquisition and processing functions, supports the latest code system(Dot Code) and OCR(text recognition, image analysis and processing, and obtains its text information), greatly improving the efficiency.

Application fields

The scanner can be widely used in manufacturing, warehousing, logistics, retail and express transportation, and has incomparable advantages in improving production efficiency and accuracy.



ACCESSORIES



Bluetooth Dongle
GS GDA201



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



Battery Charger
GS GCR201(Dual-Slot)



Armband
(AB1800)



Ring holder

PRODUCT SPECIFICATION

Wearable Barcode Scanner GS R5522

PHYSICAL PARAMETER

Dimensions	70.0mm(L)×36.4mm(W)×26.8mm(D)
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: ±60° from normal Pitch tolerance: ±60° from normal Roll tolerance: 360° from normal
Field of View	Horizontal 31°, Vertical 23°
Illumination	White LED
Aiming	Red Cross Laser
Supported	1D: Code39, Code128, Codabar, Code11, UPC/EAN, Interleaved
Symbologies	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	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 107639lux (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 Discharge (ESD)	±8kv DC discharge, ±15kv 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 - 406.0MM
5 mil PDF417	206.0 - 333.0MM
7.5 mil DataMatrix	211.0 - 325.0MM
10 mil DataMatrix	178.0 - 432.0MM
13mil UPC-A	58.0 - 965.0MM
15 mil Code 128	102.0 - 1016.0MM
20mil Code 39	53.0 - 1372.0MM
100 mil Code 39	279.0 - 4369.0MM
160 mil DataMatrix	292.0 - 3505.0MM
20 mil QR Code	71.0 - 676.0MM

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