

# GS R1120 Ruglove 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.

### Ruglove Wear

Ergonomically designed, it is still comfortable to wear for a long time; With Ruglove, workers can choose and decide to use left or right hand to work and swap scanning hands on the fly.

### Suitable for medium and long distance scanning

The GS R1120 has the widest working range among 1D scanners, Scan 100% UPC-A barcodes up to 685.8mm.

### Scan engine, Zebra SE965HP

Professional 1D barcode solution. Support almost all 1D barcodes. The scanning frequency can reach 104 times per second, and the decoding ability is less than 60 milliseconds. The operating environment with poor light has almost no effect on the decoding work.

### Wide applicability

GS R1120 supports 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.

### Application field

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



Armband  
AB1800



Silicone Glove+Trigger



Lycra Glove+Trigger



Bluetooth Dongle  
(GS GDA201)



Battery Charger  
Dual-slot battery charger  
GS GCR201



Battery charger  
GS GCR202(eight-slot)/  
203(sixteen-slot)

## PRODUCT SPECIFICATION

Wearable Barcode Scanner GS R1120

### PHYSICAL PARAMETER

Scanner Dimensions	75.07mm(L) × 34.73mm(W) × 25.16mm(D)
Scanner Weight	33g (scanner body)
Battery Capacity	Standard battery: 400mAh; Extended battery: 600mAh
Charging	5V---1A
Charging Time	400mAh, 80min; 600mAh, 100min
Battery Life	400mAh, 10.3 hours (scan every 5 seconds) 600mAh, 15.4 hours (scan every 5 seconds)
Notification	LED, Buzzer, Vibration

### PERFORMANCE CHARACTERISTICS

Optical Resolution	0.0015in. minimum element width
Sensor	Laser
Skew, Pitch & Roll	Skew tolerance: ±40° from normal Pitch tolerance: ±65° from normal Roll tolerance: 35° from normal
Field of View	47° wide, 10° medium, 10° narrow
Scan Element	a resonant single line(650nm 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
Interface	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 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	±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

5 mil Code 128	30.5 - 195.6MM
5 mil Code 39	30.5 - 317.5 MM
7.5 mil Code 39	27.9 - 469.9MM
10 mil Code128	30.5 - 482.6 MM
100% UPC-A	40.6 - 685.8 MM
15 mil Code 128	25.4 - 749.3MM
20 mil Code 39	35.6 - 1320.8 MM
55 mil Code 39	86.4 - 2540 MM
100 mil Code 39	609.9 - 5181.6 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