

GS R1120 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.

Ring Wear

Like wearing a ring, it is small, light and efficient.

With Ring trigger, 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 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 R1120

PHYSICAL PARAMETER

| | |
|------------------|--------------------------------------|
| Dimensions | 75.07mm(L) × 34.73mm(W) × 25.16mm(D) |
| Weight | 33g(Scanner body) |
| Battery Capacity | 600mAh |
| Charging | 5V---1A |
| Charging Time | 120min |
| Battery Life | 15.4h(scan once in 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 Symbolologies | 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 |
| 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 |

SOFTWARE SUPPORT

Generalscan Keyboard Pro, Generalscan SDK Demo, Generalscan OTA Tools, Generalscan iCode, G-Service

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 |

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

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