

GS R5521 Thumbbutton 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.

Versatile wearable options

With Thumbbutton, workers can wear scanners around the neck or on a belt or just hold it in hand with switching freely between left and right hand. In a word, keeping the scanner at hand is ideal for occasional scanning.



Featured with Zebra's latest decoder - 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 can be used widely in manufacturing, warehousing, logistics, retail, and transportations industries. It has incomparable advantages in improving quality and accuracy.

ACCESSORIES



Bluetooth Dongle
GS GDA201



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



Battery Charger
GS GCR201(Dual-Slot)



Armband
(AB1800)



Thumbbutton trigger button + Lanyard

PRODUCT SPECIFICATION

Wearable Barcode Scanner GS R5521

PHYSICAL PARAMETER

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

PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 800 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 48°, Vertical 30°
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	Scanner: 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 107,639lux (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.
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

3 mil Code 39	76.0 -147.0 MM
5 mil Code 128	58.0 - 249.0 MM
5 mil PDF417	76.0 - 201.0 MM
6.67 mil PDF417	64.0 - 257.0 MM
10 mil DataMatrix	53.0 - 279.0 MM
100% UPCA	41.0 - 632.0 MM
15 mil Code 128	61.0 -706.0 MM
20 mil Code 39	41.0 - 917.0 MM

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