

GS R5524 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 SE5500

Highly visible green laser aimer. The engine SE5500 includes an innovative wide aim pattern green laser aimer with a wide targeting pattern that's up to 7x more visible than a red aimer dot.

Extraordinary working range

GS R5524 has an extraordinary working range — from 5.6 cm to over 40 ft./7.2 m when scan barcode DataMatrix of 100mil.

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 R5524 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 R5524

PHYSICAL PARAMETER

Dimensions	2.76in.(L) x 1.43in.(W) x 1.06in.(H) 70.00mm(L) x 36.00mm(W) x 26.80mm(H)
Weight	37.5g(Scanner body)
Battery Capacity	600mAh
Charging	5V ---1A
Charging Time	120min
Battery Life	6.9h(scan every 5 seconds, 10 centimeter reading) 4h(scan every 5 seconde, 1 meter reading)
Notification	LED, Buzzer, Vibration

PERFORMANCE CHARACTERISTICS

Optical Resolution	2688 x 1520 pixels
Shutter	Global 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 37° , Vertical 21.4°
Illumination	White LED
Aiming	Green 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 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 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	± 8 kv DC discharge, ± 15 kv 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	69.0 - 411.0 MM
5 mil Code 39	64.0 - 676.0MM
5 mil PDF417	71.0 - 498.0 MM
6.67 mil PDF417	66.0 - 650.0MM
10 mil DataMatrix	56.0 - 688.0 MM
100% UPCA	64.0 - 1800.0 MM
15mil Code 128	65.0 - 2400.0MM
20mil Code 39	100.0 - 3300.0 MM
55 mil Code 39	215.0 - 3900.0 MM
100 mil Code 39	410.0 - 4200.0 MM
100 mil DataMatrix	85.0 - 7200.0 MM

GENERALSCAN

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