

GS R5520 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.

Suitable for Standard Range Scanning

R5520 decodes barcode Code 39 of 20mil 762MM away, and barcode 100% UPC-A 660MM away.

Scan engine Zebra SE4710

R5520 has unparalleled barcode capture. It captures virtually any 1D or 2D barcode in milliseconds. The working range is wider. It captures barcodes from near contact to farther than 24 in./60 cm away. The wider field of view easily reads close-up large barcodes as well as multiple barcodes.

The rapidly-replaced battery minimizes the downtime

600mAh battery provides a longer battery lifecycle and ensures uninterrupted full-shift operation. The feature of swappable helps to increase the productivity during receiving, inventorying, picking, sorting, packing, etc.

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 R5520 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 R5520

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	10.25h(scan once in 5 seconds)
Notification	LED, Buzzer, Vibration

PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 800 pixels
Shutter	Rolling 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 42°, Vertical 28°
Illumination	Red LED
Aiming	Red LED
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

4 mil Code 39	84.0 - 224.0 MM
5 mil Code 128	71.0 - 208.0 MM
5 mil Code 39	50.8 - 343.0 MM
5 mil PDF417	79.0 - 213.0 MM
10 mil DataMatrix	74.0 - 257.0 MM
100% UPC-A	46.0 - 660.0 MM
20 mil Code 39	50.8 - 762.0 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