GENERALSCAN

GS R5520 Thumbutton 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
Thumbutton, 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)

Thumbutton 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) × 36.00mm(W) × 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 Symbologies	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
	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 Discharge (ESD)	±8kv DC discharge, ±15kv air discharge
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

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