PRODUCT SPEC SHEET

GENERALSCAN

GS R5523 Flexgrip Ultra-Long Range Barcode Scanner

Honeywell N6903UR Ultra Long Range Scan Engine

The engine N6903UR takes the reading range required in warehouse and distribution centers to new heights. The Smart Adaptus™ 8.0 technology integrated in GS R5523 extends the single lens read range of standard range optics and dual lens design for simultaneous close and far image capture. Reads barcodes from 5.5 cm (2 inches) to an impressive 31 m (100 feet).This range allows warehouse workers to scan barcodes on high shelves or in hard-to-reach places effortlessly. By minimizing the need for climbing or additional equipment, it significantly enhances operational efficiency and workplace safety, optimizing overall workflows.



Features with Honeywell decoding solution-GEN8 DB

Equipped with ultra-powerful 1.2GHz processor and 4x memory speed, combining with comprehensive barcode symbology support, the GEN8 DB delivers superior decoding performance for all barcode types and beyond ,including OCR application.

Durable and Rugged for All-Day, Every-Day Use

GS R5523 is dual-tested for durability–drop and tumble. Multiple drop it on concrete from 4.9ft./1.5M, tumble it from 3.3ft./1M with frequency of 10 times per minutes for 20,000 times, GS R5523 is engineered for durability and uptime.



All day comfort that workers can count on

The ergonomic designed grip provides maximum comfort, even in the heavy-duty scanning environments, which reduced greatly user fatigue and increased productivity.

The Flexgrip is easy to assemble and clean

It is very easy to assemble on the scanner, just press and release the latch it will be fixed. Because of the small size, it is aslo very easy to clean.

Maximum replaceable parts bring minimize downtime

The removable and swappable sanner body and battery minimize the entire time of reassembly process. Furthermore, the one-second swappable battery makes sure scanners have virtually no downtime. There is no need to worry about dead battery to influence your daily working any more.

ACCESSORIES



Cradle
Charging and Communication



Bluetooth Dongle
(GDA201)



Battery Charger
GS GCR208(8-slot)/203(16-slot)



Battery Charger
Dual-Slot Battery Charger



Armband
(AB1800)



Flexgrip
(GS GHR201)

PRODUCT SPEC SHEET

Handheld Barcode Scanner GS R5523

PHYSICAL PARAMETER

Scanner Dimensions	70.00MM(H) × 36.00MM(W) × 26.80MM(D)
Scanner Weight	38.7g (scan body)
Handle Dimensions	166.5(L) x 48.7(W) x 83(D)mm
Handle Weight	146.5g
Battery Capacity	600mAh
Charging	5V⎓1A
Charging Time	120min
Battery Life	8 hours (scan every 5 seconds)
Notification	LED, Buzzer, Vibration

PERFORMANCE CHARACTERISTICS

Optical Resolution	Near: 1920 pixel x 1200 pixel Far: 2592 pixel x 1944pixel
Shutter	Near: Global shutter Far: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	Near:45°(H)x20°(V) Far:13.7°(H)x5.7°(V)
Illumination	Broad spectrum white 2300K color temperature
Aiming	GreenLaser
Supported Symbologies	1D: Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation 2D: Codablock A, Codablock F, PDF417, MicroPDF417, Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code Postal: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
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

USER ENVIRONMENT

Ambient Light	Max 100,000lux (direct sunlight)
Operating Temperature	-10°C~50°C
Storage Temperature	-10°C~50°C
Humidity	5% - 85% non-condensing
Drop Spec.	Survive from 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.
IP Level of Glove	Washable
Electrostatic Discharge (ESD)	±8kv DC discharge, ±15kv air discharge
Certificates	CE, FCC, TELEC, RoHS, NOM, IFT, PSE, IEC 62133 EU Battery Directive, US Public Law 104-142

SOFTWARE SUPPORT

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

DECODE RANGES

5 mil Code 39	117- 1720 mm
10mil DM	140- 1513mm
10 mil Code 128	86- 2959mm
20mil Code 39	— - 7327mm
13 mil UPC-A 100%	55- 3641mm
55mil Code 39	— - 17344mm
100mil DM	— - 13393mm
100 mil Code 39	— - 31160mm

GENERALSCAN

Generalscan Inc.

Generalscan Electronics GmbH

Hochstraße 42, 52525 Heinsberg Germany

+1 732 391 7747