HS3155 Series
Industrial Handheld Wireless Barcode Reader

HS3155 is a lightweight handheld wireless Bluetooth barcode reader, equipped with a megapixel sensor and efficient processor. HS3155 can quickly read label barcodes, screen barcodes and good DPM barcodes. The new generation of Bluetooth wireless technology enables transmission distances of over 80m, the combination of 2500mAh battery capacity and optimized power saving mode ensures good battery endurance of the device.

Product Features

■ Equipped With a 1.3 Million Pixels Sensor

The use of high pixel sensors significantly improves reading accuracy (3mil) and working distance compared to the last generation products

■ Meet Universal Barcode Reading Scenarios

Reading accuracy can reach 3mil (1D) and 5mil (2D)
Easily read label barcodes and screen barcodes
Can read DPM barcodes such as good laser engraving codes and inkjet codes, etc.

■ Humanized Structural Design

Lightweight exterior design for easy hold
Strong and durable, more suitable for long-term and high-frequency use scenarios

■ Wireless Transmission and Battery Life

Adopting next-generation Bluetooth transmission technology
Wireless communication distance can reach over 80m (in open space)
2500mAh Battery capacity combined with optimized power saving mode enables continuously use for more than 9 hours (triggered once every 2 seconds)

Industry Applications

Home appliances manufacturing

Transportation

Electronics manufacturing

Food and drug traceability

Technical Parameters

Sensor	CMOS sensor	Wireless Signal	2.4-2.5 GHz Bandwidth range
Image Resolution	1280 x 1024	Communication Distance	80m (open), 20m (indoor) Support storage
Acquisition Speed	Up to 60 frames per second	Storage Capacity	20,000 pcs (13-bit character/pc)
Angle of View	44° (Horizontal), 34° (Vertical)	Shell Material	PC
Roll/ Pitch/ Yaw	360°(Roll), 65°(Pitch), 55°(Yaw)	Weight	Reader: 200g Base: 167g (horizontal base type) / 128g (vertical base type)
Reading Direction	Elevation angle ±60° Oblique angle ±55°	Dimensions (L x W x H)	Reader: 160.5mmx69.5mmx108.0mm; Communication base: 128.0mmx98.0mmx85.0mm(horizontal); 201.1mmx94.2mmx56.0mm (vertical)
Illumination Source	White LED	Operating Temperature	0℃~ 45℃
Aiming Mode	Red LED	Storage Temperature	-10℃ ~ 50℃
Communication Interface	USB (Simulated Serial port, Simulated Keyboard)	Relative Humidity	5% ~ 95% non-condensing
Operating Voltage	Reader:4.2V ± 10% VDC, Base power supply:5V ± 5% VDC/USB	IP Rating	IP54
Operating Current	300mA	Certifications	CE, FCC, RoHS
Standby Current	165mA	Ambient Light Immunity	Sunlight: 10,000 Lux Incandescent lamp: 6000 Lux
Battery Specifications	3.7V / 2500mAh	Drop Resistance	Capable of withstanding multiple impacts of falling from a height of 1.2 meters onto the cement floor(allowable deviation of 5°)
Battery Endurance	Above 9 hours (triggered every 2 seconds, decoding over 16000 times in average)	Readable Code Symbologies	1D, 2D, and stacked codes that comply with national and international standards
Charging Time	6 hours	Maximum Reading Accuracy	1D code: 3 mil, 2D code: 5 mil

Reading Distance

Unit：(mm)

Barcode Specifications	Nearest	Farthest
3.34mil Code128	40	125
5mil Code128	30	164
10mil Code128	15	255
15mil Code128	15	281
5mil DataMatrix	38	92
6.67mil DataMatrix	33	137
10mil DataMatrix	20	198
15mil DataMatrix	20	227

Standard Models Configuration Table

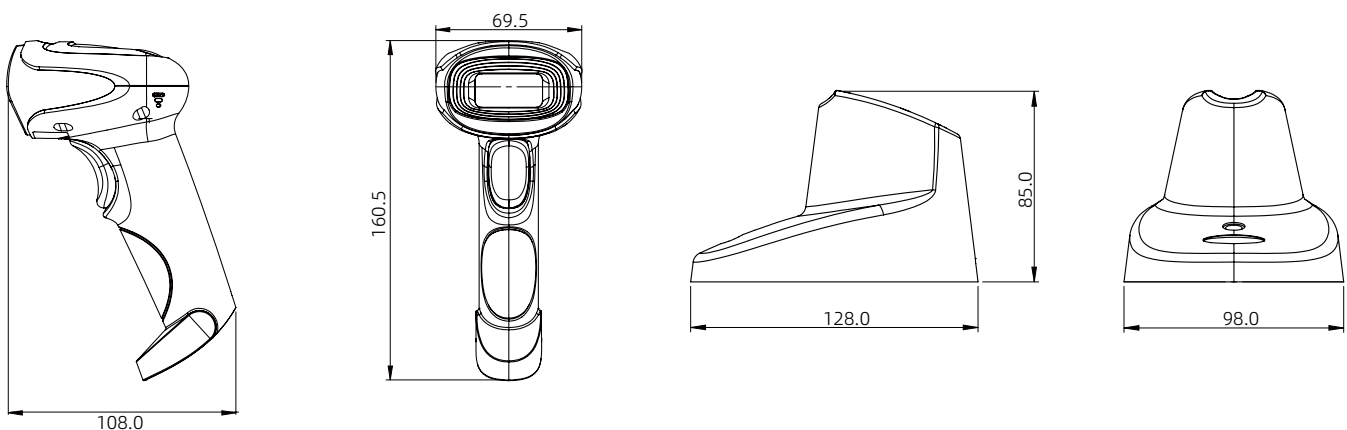| Model	Description
HS3155-02-U-02A	Wireless handheld, white LED, USB set, horizontal communication base,cable of 2 meters
HS3155-02-U-02B	Wireless handheld, white LED, USB set, horizontal communication base,cable of 2 meters, 5V power supply
HS3155-05-U-02A	Wireless handheld, white LED, USB set, vertical communication base, cable of 2 meters

Dimensions

Unit：(mm)

HS3155
Horizontal Base Type

56.0 94.2 201.1
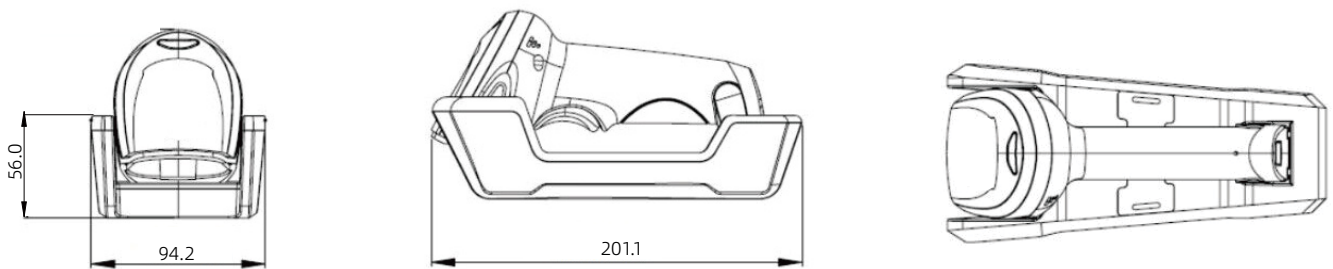
HS3155
Vertical Base Type

69.5 160.5 108.0 85.0 128.0 98.0

CE RoHS