



# HS3155 Series Wireless Handheld 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

### ■ Excellent wireless transmission performance

Adopting next-generation Bluetooth transmission technology  
Wireless communication transmission distance can reach 80m (in open scenarios)  
Communication disconnection prompt and data storage function

### ■ Good battery endurance

Battery capacity: 2500mAh  
Optimized power saving mode, with continuous operating time of over 9 hours

### ■ Humanized structural design

Lightweight exterior design for easy hold  
Horizontal communication base design, ensuring stable placement and easy use

### ■ Meet universal barcode reading scenarios

Reading accuracy can reach 3mil 1D and 5mil 2D  
Easily read label barcodes and screen barcodes  
Can read good-quality DPM barcodes such as laser engraving codes and spray codes

## Applications



Home appliances manufacturing



Electronics manufacturing



Warehouse inventory



Logistic transportation



Food and drug traceability

## Physical specifications

Dimensions (L x W x H)	Reader: 160mm x 69mm x 108mm; Communication base: 201mm x 94mm x 102mm
Weight	Reader: 200g / Base: 165g

## Reading performance

Sensor	CMOS sensor
Image resolution	1280×1024
Illumination Source	White LED
Aiming Light Source	Red LED
Angle of View	44° (horizontal), 34° (vertical)
Roll/ Pitch/ Yaw	360° (roll)/ 65° (pitch)/ 65° (yaw)
Print Contrast	20% minimum reflection difference
Communication Mode	USB simulated keyboard, USB simulated serial port
Maximum Reading Accuracy	1D code: 3 mil, 2D code: 5 mil
One-dimensional Barcode (1D code)	Codabar, Code 11, Code 39, Code 93, Code 128/EAN128, EAN.UCC Composite, Interleaved 2 of 5, MSI Code, Planet, Plessey Code, Postnet, RSS, Standard 2 of 5, Telepen, UPC/EAN, etc.
Two-dimensional Barcode (2D code)	PDF417, QR code, Matrix 2 of 5, MicroPDF417, Australian Post, Canada Post, Japan Post, Maxi-Code, Codablock, Aztec, Dutch Post, TLC 39, DataMatrix, etc.

## Electrical specifications

Base Power Supply	USB/5VDC ± 10%
Standby Current	165mA
Operating Current	Max: 300mA
Indicating Way	LED indicator, Buzzer indication

## Reading range

Unit: (mm)

Barcode specifications	Nearest	Farthest
3.34mil Code128	39	126
5mil Code128	28	168
10mil Code128	13	258
15mil Code128	12	284
5mil DataMatrix 10bit	40	95
6.67mil DataMatrix 10bit	30	140
10mil DataMatrix 10bit	20	200
15mil DataMatrix 10bit	20	230

## Environmental parameters

Operating Temperature	0°C ~ 45°C
Storage Temperature	-10°C ~ 50°C
Relative Humidity	5% ~ 95% RH non-condensing
Ambient Light Immunity	0 ~ 100,000 Lux
Drop Resistance	withstand a drop of 1.2 meters to the cement floor (30 times)
ESD Protection	±8KV indirect coupling surface, ±15KV direct air discharge

## Wireless transmission and endurance

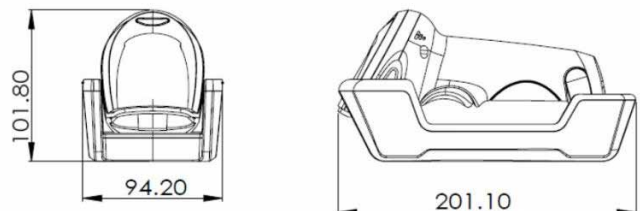
Wireless Transmission Mode	Bluetooth
Wireless Signal	2.4-2.5 GHz bandwidth range
Communication Distance	Indoor : 20 meters, open: 80 meters
Transmission Mode	Real time transmission / batch storage
Storage Capacity	20,000 pcs (13bit/ pc)
Battery Capacity	3.7V/ 2500mAh
Battery Endurance	Above 9 hours (triggered every 2 seconds, decoding over 16000 times in average)
Charging Time	6 hours

## Standard model configuration table

Model	Descriptions
HS3155-02-U-02A	Wireless handheld model, white LED, USB set, cable of 2 meters
HS3155-02-U-02B	Wireless handheld model, white LED, USB set, cable of 2 meters, 5V power supply

## Dimensions

Unit: (mm)



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