



# HS3665 Series

## Wireless Industrial DPM Code Reader

HS3665 is a high-performance industrial wireless handheld barcode reader for various DPM (Direct Part Marking) codes reading occasions. HS3665 adopts multi-color intelligent switching Surface Light Source, professional image processing and DPM decoding algorithms, industrial grade protection design, etc. It can be used for diverse DPM code reading applications such as reflective, stained, low contrast, tiny-sized and punching DPM codes reading, in the field of automotive parts, metal manufacturing industries. The wireless communication distance of HS3665 can reach over 80m, 2500mAh battery capacity and power saving mode ensure long-term operation and standby time.

### Product Features

#### ■ Powerful DPM decoding capability

Applicable for challenging DPM barcodes such as reflective, stained, low-contrast and small-sized barcodes;  
Can be widely used in various DPM code reading applications such as automotive metal components, chip packaging and home appliance assembly, etc.

#### ■ Diverse feedback prompts

Equipped with LED light prompts, buzzer prompt and vibration prompt, ensuring timely and accurate code reading feedbacks in noisy application environments

#### ■ Multi-color intelligent switching light source

Provide white point light source, red and blue surface light source to handle barcodes on various materials and surfaces (such as reflective, multi-color, metal, curved, etc.), automatically switch and match the best light source scheme

#### ■ Good wireless communication performance

Wireless communication transmission distance can reach 80 meters (in open space)  
Battery capacity: 2500mAh  
Optimized power saving mode with continuous use time of over 9 hours (triggered once every 2 seconds)

### Industry Applications



Home appliances manufacturing



Electronics manufacturing



Automobile manufacturing



Transportation



Solar energy industry

## Technical Parameters

Sensor Type	CMOS sensor
Image Resolution	1280 x 1024
Acquisition Speed	Up to 60 frames per second
Viewing Angle	44° (Horizontal), 34° (Vertical)
Roll/ Pitch/ Yaw	360°(Roll), 65°(Pitch), 55°(Yaw)
Reading Direction	Angle of elevation $\pm 60^\circ$ Oblique angle $\pm 55^\circ$
Illumination Source	White point light source/ Red surface light source/ Blue surface light source
Wireless Signal	2.4~2.5 GHz Bandwidth Range
Aiming Mode	Laser aiming
Communication Interface	RS232, USB (Simulated Serial port, Simulated Keyboard)
Battery Specifications	3.7V/2500mAh
Battery Endurance	Over 9 hours (triggered every 2 seconds, decoding over 16000 times in average)
Charging Time	6.5h
Communication Distance	82m (Open) 28m (Indoor)
Storage Capacity	20,000 pcs (13-bit character/pc)
Operating Voltage	Reader: 4.2VDC $\pm 10$ , Base (Power supply): 5VDC $\pm 5\%$
Standby Current	150mA

Operating Current	310mA
Power Consumption	1.55W
Housing Material	PC
Weight	275g (Reader) 276g (Base)
Dimensions (LxWxH)	Reader: 192.0mmx130.0mmx77.0mm Base: 246.0mmx100.0mmx93.0mm
Operating Temperature	0°C ~ +45°C
Storage Temperature	10°C ~ +50°C
Relative Humidity	5% ~ 85% Non-condensing
IP Rating	IP67
Certifications	CE,FCC,RoHS
Ambient Light Immunity	Sunshine: 10000 Lux, Incandescent lamp: 6000 Lux, Fluorescent lamp: 2000 Lux
Drop Resistance	Withstanding multiple impacts of falling from a height of 1.2 meter onto the cement floor (allowable deviation of 5°)
Readable Code Symbologies	1D, 2D and stacked codes that comply with national and international standards
Maximum Reading Accuracy	1D code: 3mil, 2D code: 4mil

## Reading Distance

Unit: (mm)

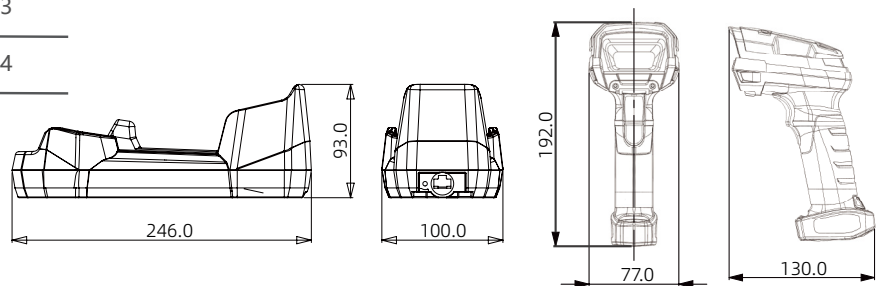
Reading Distance	Nearest	Farthest
3.34mil Code128	25	123
5mil Code128	22	179
10mil Code128	6	287
15mil Code128	6	384
5mil DataMatrix	35	103
6.67mil DataMatrix	25	125
10mil DataMatrix	5	243
15mil DataMatrix	5	254

## Standard Models Configuration Table

Model	Description
HS3665-32-U-02A	Handheld, Wireless Bluetooth, DPM illumination, USB set, 2-meter USB cable, Communication base
HS3665-32-R-02B	Handheld, Wireless Bluetooth, DPM illumination, RS232 set, 2-meter Serial port cable, 5V Power supply, Communication base

## Dimensions

Unit: (mm)



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