



**Model : SH-5000-2D(Y)**

## **2D Wireless Barcode Scanner**

SH-5000-2D(Y) using imaging techniques, advanced with bar code scanning and digital image acquisition function is very strong. With the reform of structure system and custom sensor. The extended depth of field and fast reading, and enhanced the low Reading performance, bar code. Two dimensional bar code showing from the high density barcode to a mobile device screen, SH-5000-2D(Y) can easily interpret.

SH-5000-2D(Y) uses a 433 wireless technology, can realize the automatic mobile and base station distance in the range of 100 meters. Battery management system of SH-5000-2D(Y) can provide battery efficiency is as high as 12 hours of uninterrupted scanning, maximum Improved productivity.

The new compact design will be key components of internal are mounted on a motherboard, no longer need to use Connector components, so fewer, more reliable, reduce the occurrence of the fault and improve the dimension Convenience repair, thereby increasing productivity. Its compact design suitable for any hand, comfort grip, To eliminate the fatigue of the operator.

In the durability, SH-5000-2D(Y) design can withstand 1.5 meters from a local to the concrete ground 100 times repeated drop. IP41 industrial grade also offer additional protection to explain the structure to ensure Excellent performance of SH-5000-2D(Y) can realize years of uninterrupted operation.

### **Product features**

**ColorFusion Technology:** Allows color images to be captured and high contrast color bar codes to be scanned, without negatively impacting bar code scanning performance

**Wireless Connectivity:** The latest wireless technology can achieve 433 scanning gun and base station distance to move within the 100 metres

interference with other wireless systems, and lowers total cost of ownership by allowing up to seven imagers to communicate to a single base

**Storage features:** Storage 1000 barcodes.

**Unique decoding technology:** refer to the international top decoding technology, can accurately and quickly decoding of 1D, 2D code.

**The data acquisition function reliable:** supports all of the standard one - and two-dimensional code system, at the same time can also read the screen such as mobile phone) in the bar code.

## SH-5000-2D(Y) Technical parameters

### Physical parameters

Scanning type	Image type
Safety performance standards	Accord with national level two laser safety standards
Physical dimension	Length * width * height 155mm*65mm*95mm
Package size	Length * width * height 200mm*130mm*105mm
Material	ABS
Scanner weight	320g
Package weight	540g
LED indicator	Red, green two-colors
Performance parameter	
Working current	340mA
DC power supply	Class2;5.2VDC@1A
Static current	30mA
Battery specifications	3.7/2000mA
Charging time	6-8hours
Working power	2W;400mA@5V-The typical value
Standby power	0.45W , 90mA@5V-The typical value
Barcode type etc)	Standard 1D, 2D bar code(PDF417,Data Matrix,QR
Radio frequency	433MHZ
Communication distance	200M(Empty) with memory
Number of scans	15000 Order
System interface	USB,RS232
Enviromental parameter	
Operating temperature	0°C - 40°C
Storage temperature	- 40°C - 60°C
Operating humidity	5%-95%Relative humidity, no condensation state
Electrostatic protection discharge	±15kVDC Air discharge , ±8kVDC Direct / indirect
Fall-down test	100order/1M
Ambient light immunity	0-100.000LUX
Exercise tolerance	100mm /sec 13milUPC

IP Class	IP54
LEDSafety certification	IEC6247
CB	IEC60950
Integrated authentication	GOST-R(Russia),CE
EMI	Accord en50081 , par1 specifications
EMC Electromagnetic compatibility	EN55022 , EN55024 class B
Dust	Seal to resist invasion of dust particles in the air

## Scanning performance

Barcode	scan depth density
5 mil Code39	33-95mm(1.3-3.7in.)
13 mil UPC	32-255mm(1.3-10.0in.)
20 mil Code39	35-355mm(1.4-14.0in.)
6.7 mil PDF417	30-95mm(1.2-3.7in.)
10 mil Data Matrix	30-100mm(1.2-3.9in.)
15 mil Data Matrix	21-162mm(0.8-6.4in.)
20 mil QR	23-200mm(0.9-7.9in.)

**This data may be due to bar code quality and environmental factors and different**

## ScanHome

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