

WBS-6-HD

High performance & High protection

Wireless 2D Barcode Scanner



WBS-6-HD is a wireless high performance and high protection 2D scanner based on advanced image decoding technology and micropower wireless frequency hopping transmission technology. WBS-6-HD has the highest IP68 protection level in the industry, whether in a factory, warehouse, dock, or working environment in high cold and high humidity, it can with ease. It integrates a megapixel engine and a variety of well-designed lenses and lighting systems, which can scan complex barcodes such as laser engraving barcodes, worn barcodes and high-density barcodes. The advanced wireless frequency hopping communication technology ensures that WBS-6-HD can performance stably even in complex industrial environment, and supports up to 100 scanner clusters with one base. Therefore, WBS-6-HD is very suitable for occasions with high scanning requirements, high intensity and complex use environment, such as manufacturing, large warehouses, docks, cold chains and so on.

Product features

- IP68 proof, can adapt to harsh working environment
- Excellent decoding ability and ultra-high sensitivity
- Good at scanning DPM carved barcodes, worn barcodes, highly reflective bar codes, high-density barcodes, miniature barcodes and other difficult barcodes
- Using adaptive frequency hopping technology, stable data transmission and strong anti-interference ability, Even in the harsh industrial environment, it can still be transmitted stably
- Support multi-cluster working mode, one base can support 100 scanners
- Good ergonomic design, for long-time working
- Built-in data memory, which can store up to 50,000 bar codes
- It can be used horizontally or by wall hanging

Application

- **Manufacturing, such as electronics, machinery and automobile manufacturing**

With the megapixel high-resolution engine and a variety of well-designed lenses and lighting systems, WBS-6-HD can not only read any standard 1D and 2D barcodes, but also read various difficult barcodes frequently encountered in manufacturing industry.

- **Warehousing and logistics**

It can scan efficiently both in poorly lit warehouses and outdoors in direct sunlight.

- **Cold chain and wharf**

In cold temperature, WBS-6-HD can be competent

- **Other occasions where bar codes are complex or use environment is complex**

Parameters

Power and Battery	
Voltage	DC5±0.25V
Power	WBS-6-HD: 1.8W(Max)
Battery	2600mA (standard) ; 3300mA (Optional)
Endurance	Scan every five seconds condition : WBS-6-HD: 24 hours
Performance Ability	
Lighting& Aiming	WBS-6-HD: White & Red Lighting, Red LED Aiming
Resolution	Million pixels
Scan Angle	±72°、±72°、360° (Skew、Pitch、Roll)
Contrast	≥20%
Code Resolution	WBS-6-HD: 1D≥3mil 2D≥4mil
Scan Ability	Printed、Spraying、DPM、screen code
Code Types	2D: QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode 1D: UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, code 39, Code 39 (Full ASCII) , code 32, Interleave 2 of 5, Industrial 2 of 5, Matrix 2 of 5, IATA 25, Codebar, Code 128, Code 93, Code11 cMSI/Plessey, UK/Plessey, UCC/EAN 128, Composite Code -A/B/C, GS1 DataBar (RSS) etc

Communication Method	
Wireless	433MHz wireless
Radius Distance	Up to 400 meters (Bluetooth version-50meters)
Cluster Work	A scanner base can support up to scanners to work at the same time
Interface	USB-HID , USB-COM , P/S2 、RS232
Trigger Mode	Manual, Consecutive Scanning, Auto-sensing
Cable Length	Standard: 2 meters USB cable
Alert Mode	Buzzer (volume and tone adjustable), LED light, vibrator
Material & Environment	
Shield Materials	Bi-color: ABS+PC/TPU ; Single: ABS ; Transparent: PC ; Waterproof ring: Silica gel
Scan Window	Scratch-resistant toughened glass
Temperature	-20°C~55°C (Working) -40°C~70°C (Storage)
Humidity	5%~95% (Non-condensing)
Luminance	0~100,000LUX
Dust & Water Proof	Scanner: IP68; Base: IP52
Shock Proof	Withstand multiple drops from 2 meters to concrete surface
Setting Method	Scan setting barcodes/receiver base button
Others	
Optional Accessories	RS232 cable, Power adapter, P/S2 cable, 5 meters USB cable