

# AI-BS-WS46 Barcode Scanner



## Introduction

AI-BS-WS46 with professional high-performance CMOS scan engine, and take 2.4GHz and Bluetooth wireless technology, with 2.4GHz data receiver receiving 2.4GHz data. Easily read printed and on-screen 1D and 2D symbologies, It designed for retail, logistics, manufacturing, healthcare, warehouse, etc.



Healthcare



Logistics



Manufacturing



Retailing

## Features

- **Ultra-long Distance Data Transmission**

150 meters(2.4GHz) and 30 meters(Bluetooth) long distance data transmission, supports automatic frequency modulation and inventory mode, and has 350KB memory to save data information.

- **Professional Scanning Module**

High performance scanning module, easily decode all common 1D and 2D symbologies, have good performance in scanning fuzzy, low printed contrast rate and damaged barcode.

- **Powerful Endurance Ability**

2000mAh rechargeable polymer lithium battery, device could continuously work for more than 25 hours with the fully charged.

- **High Quality**

Adopt high quality wires and inflaming retarding materials with the international standard, recyclable and practical shell to protect the device.

- **Industrial Grade Durability**

IP54 industrial sealing grade, and bear the height of 1.5m dropping and ground impact.

**Barcode / RFID Hardware Solution Specialist**

**[www.AiHardWare.com](http://www.AiHardWare.com)**

## Parameter

| Performance Parameters      |  |
|-----------------------------|--|
| Light source                | 617nm for aiming, and 5600K LED for lighting   |
| Image sensor                | CMOS   |
| Resolution                  | 640x480 pixels   |
| Decode capability           | 1D: UPC/EAN, UPC/EAN with supplements, ISBN/ISSN, UCC, Code 128, Code 39, Code 39 (Full ASCII), code 32, Interleaved 2of 5, Matrix 2 of 5, Discrete 2 of 5, Codabar, MSI/Plessey, Chinese 2 of 5, China Postal Code, GS1 DataBar, etc.2D: PDF417, Micro PDF417, Data Matrix, QR, Micro QR, Aztec, etc. |
| Scan Angle                  | $\pm 360^\circ$ , $\pm 60^\circ$ , $\pm 60^\circ$ (Roll, Skew, Pitch)  |
| Scan precision              | $\geq 4\text{mil}$   |
| Print contrast              | 20%  |
| Prompt mode                 | Buzzer, LED indicator light  |
| Interface                   | USB, USB-COM   |
| Trigger mode                | Manual, Continuous automatic scan and auto sensing scanning (optional)   |
| Memory                      | 350KB(Store over 20,000 barcode data)  |
| Battery                     | 2000mAh (charging time is 5h)  |
| Current and voltage         | 35mA (standby), 220mA (working), 5 VDC $\pm 10\%$  |
| Work frequency              | 2.4GHz   |
| Data communication distance | 150m (2.4GHz) and 30m(Bluetooth) (open area)   |
| Setting method              | Scan configuration barcode   |
| Physical Parameters         |  |
| Over dimension              | L * W * H (159.2x63.5x85mm)  |
| Weight                      | 170g (excluding wire)  |
| Material                    | ABS+PC environmentally friendly materials  |
| Environmental Parameters    |  |
| Working temperature         | -20°C to 50°C  |
| Storage temperature         | -40°C to 60°C  |
| Anti-drop                   | Withstand drop from 1.5 m to concrete floor  |
| Humidity                    | 5% to 95% RH   |
| IP grade                    | IP54   |
| Circumstance luminance      | 0-100,000Lux   |