

RS-B68C

2D Industrial Wireless with Display Screen and Cradle Scanner

The **Raywell RS-B68C** is an innovative **2D industrial wireless barcode scanner** designed for speed, precision, and convenience. Equipped with a **built-in display screen** and a **touch-enabled charging cradle**, it provides a modern and efficient scanning experience. With a **scanning speed of up to 120 frames per second**, the RS-B68C ensures **fast and accurate decoding** of all major **1D and 2D barcodes**, including **PDF417, QR Code, Data Matrix, and Aztec Code**. Its advanced imaging engine offers exceptional performance, even on **folded, stained, or vacuum-packed barcodes**, making it ideal for demanding industrial and commercial environments.



Powered by **2.4G Bluetooth wireless technology**, the RS-B68C provides a **stable transmission distance of up to 50–100 meters**, allowing users to move freely without being tethered by cables. The **multifunctional charging cradle** features **one-click pairing**, eliminating the need for setup codes and ensuring quick, hassle-free connection. The integrated **LCD display** gives users real-time access to essential information such as **barcode data, battery level, and time**, enabling smarter and more efficient operation throughout the workday.

Ergonomically crafted for **long-term comfort**, the RS-B68C's design minimizes fatigue during extended scanning sessions while maintaining superior durability. The scanner's **Bluetooth compatibility** allows seamless connection with **smartphones, tablets, and laptops**, providing maximum flexibility across various industries. Whether used in **warehouses, retail stores, logistics hubs, or production lines**, the RS-B68C delivers the perfect balance of **speed, reliability, and intelligent functionality** for modern data collection needs.

Key Features

- High-speed scanning up to **120 FPS**
- Supports all major **1D/2D barcodes** (QR, Data Matrix, PDF417, Aztec, etc.)
- **Display screen** shows barcode data, power, and time in real-time
- **Touch charging cradle** with one-click pairing — no setup codes required
- **Bluetooth wireless range:** up to **100 meters** in open space
- **Ergonomic design** for long-term comfort and efficiency
- **Direct Bluetooth pairing** with phones, tablets, and PCs



Specification

Performance Parameters	
Light Sources:	White lighting, red aiming light
Supported Symbolologies	1D: All 1D symbology method 2D: Codeblock A、Codeblock F、PDF417、Micro PDF417、GS1 Composite Codes、QRCode、Data Matrix、MaxiCode、Aztec、HANXIN.
Scanning Principle:	Image CMOS
Scan Mode:	Manual/Continuous/Automatic Scintillation
Image (Pixels)	640pixels (H) x 480 pixels (V)
Scan Angle:	Yaw±65°, Rotation 360°,Pitch±65°
Print Contrast:	20%
Depth of scan field:	Code39(5mil): 7-16cm, Code39(13mil): 7-32cm QR code (15mil): 3-18cm, Code128(20mil): 6-35cm
Error Rate:	1/5million
Interface:	Receiver: USB-HID, Bluetooth: HID, BLE
Transmission distance:	50-100M(Open Yard)
Communication mode:	Paired dedicated receiver: 2.4G Paired mobile Bluetooth devices: Dual-mode Bluetooth
Screen function:	1. View barcode data in real time; 2. View stored data in real time; 3. View battery power in real time; 4. Real time time display; 5. Scan code gun can be set through the screen
Storage mode:	Offline storage mode: The scanner automatically stores data when it leaves the connection range. Inventory storage mode: The scanner can enter inventory mode.
Pairing Mode:	One to One: One Scanning Gun Pairs One Receiver, One scanner paired with a Bluetooth mobile device.
Receiver:	Dedicated Bluetooth U disk receiver, Android/IOS mobile device
Physical Parameters	
Dimensions	174.8mm * 65.7mm * 83.5mm
Material	ABS+PC
Screen size:	40.8*30.6mm
Cable Length	1.5 M
Environmental Parameters	
Operating Temperature	-20°C ~50°C
Storage Temperature	-40°C~70°C
Relative Humidity	5%~95% RH (Non-condensing)
Ambient lighting	0~100000LUX
Drop/Shock Resistance:	Withstands multiple times 1.5 meters drops to concrete
Electronic Parameters	
Working Voltage	DC5V±5%
Operating Current	When working without scanning codes >35mA; When scanning code at work >300mA.
Standby Current	0mA(Standby is to cut off battery power)
Battery Working Time:	7H
Lithium battery:	2200mA
Continuous working hours:	Continuous scanning, working time is 6 hours
Charging Time:	3H
Charging Mode:	Type C charging cable, plug in and charge directly

