

RS-B66

Industrial 2D Bluetooth 2.4G Handheld Barcode Scanner

The **Raywell RS-B66** is a next-generation **2D industrial cordless barcode scanner** engineered for exceptional **speed, precision, and flexibility** in professional environments. Featuring an advanced **decoding algorithm**, it delivers outstanding recognition performance even on **wrinkled, damaged, or reflective barcodes**, as well as on **vacuum-packed surfaces** where standard scanners often fail. With a **scanning rate of up to 120 frames per second**, the RS-B66 ensures lightning-fast and highly accurate data capture, making it ideal for use in **POS systems, retail chains, supermarkets, warehouses, libraries, pharmacies, and logistics centers**.

Powered by reliable **2.4G Bluetooth wireless technology**, the RS-B66 provides a **stable communication range of up to 100 meters in open environments**, allowing operators to move freely without cable restrictions or signal loss. Its **detachable and rechargeable battery** design ensures continuous operation during long shifts, while a **clear audible beep** and bright indicator lights provide instant feedback in noisy or dimly lit environments. The **compact USB receiver** supports **plug-and-play connectivity**, making setup effortless across various systems and devices.

Constructed from **high-strength ABS+PC materials**, the RS-B66 is both **shockproof and drop-resistant**, ensuring long-lasting durability even in harsh industrial conditions. Its **ergonomic grip** is designed for comfort during extended use, reducing operator fatigue. Equipped with a **new-generation decoding chip**, it supports rapid reading of all mainstream **1D and 2D barcodes** — including **QR Code, Data Matrix, PDF417, and Aztec Code** — providing unmatched reliability for modern business operations.

Beyond its robust design and superior decoding performance, the **RS-B66** offers exceptional versatility, seamlessly integrating into a variety of workflows. Whether used for **inventory tracking, retail checkout, logistics scanning, or library management**, it enhances productivity and data accuracy across industries. With its blend of durability, user comfort, and intelligent wireless communication, the **Raywell RS-B66** stands out as a **powerful and dependable solution** for businesses seeking professional-grade barcode scanning technology.



Key Features

- Up to **100 meters** open transmission distance
- **New decoding chip** for accurate recognition of 1D & 2D barcodes
- **Durable ABS+PC housing** – shockproof and anti-fall design
- **Plug & play** USB receiver for quick setup
- **Bluetooth wireless connection**, compatible with multiple mobile devices

Specification

Performance Parameters	
Light Sources:	White illumination light, green aiming light
Supported Symbolologies	1D: Codabar、Code39、Code32Pharmaceutical (PARAF)、Interleaved 2 of 5、NEC 2 of 5、Code 93、Straight 2 of 5Industrial、Straight 2 of 5 IATA , Matrix 2 of 5 , Code 11Code128、GS1-128、UPC-A、UPC-E、EAN/JAN-8. EAN/JAN-13. MSI、GS1 Data Bar Omnidirectional. GS1 DataBarLimited、GS1 DataBar Expanded、China Post(Hong Kong 2 of 5)、Korea Post. 2D: Codeblock A、Codeblock F、PDF417、Micro PDF417、GS1 Composite Codes、QR Code、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:	USB-HID, USB-COM
Transmission distance:	100M(Open Yard)
Wireless Communication:	Paired dedicated receiver: 2.4G communication Paired mobile Bluetooth devices: Dual-mode Bluetooth
Storage mode:	Offline storage mode: When the scanner leaves the connection range,the data is automatically stored. Storage capacity is 200K characters. Inventory storage mode: The scanner can enter inventory mode,with a storage capacity of 200K characters.
Pairing Mode:	One to One: A scanner paired with one receiver; A scanner pairs with a Bluetooth mobile device.
Receiver:	Dedicated Bluetooth U disk receiver, Android/IOS mobile device
Physical Parameters	
Dimensions	174.8*65.7*83.5mm
Material	ABS+PC
Cable Length	1 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	OmA(Standby is to cut off battery power)
Battery Working Time:	Continuous work for 7 hours
Lithium battery:	2200mA
Charging Time:	3H
Charging Mode:	TYPE-C charging cable, plug-in direct charging