

# BW16BT

High-speed 2D Cordless Scanner



## Key features

- **Aesthetic Appearance Design**  
Dual-color mold design with ergonomic contours and high visual impact.
- **Excellent Anti-Drop Performance**  
Internal shock-absorbing structure and dual-color rubber casing. Passes 1.5-meter drop tests.
- **Trigger Durability Over 10 Million Cycles**  
Silicone-protected trigger with ultra-long lifespan.
- **Dual Wireless Modes (2.4G + Bluetooth 5.0)**  
2.4G transmission (100m range) and Bluetooth connectivity for tablets, phones, and laptops.
- **Offline Storage & Inventory Modes**  
Stores scans offline and auto-transmits upon reconnection. Inventory mode enables unrestricted asset counting.
- **Large-Capacity Battery (2200mAh)**  
7 hours of continuous scanning (25,000 scans per charge).
- **Plug-and-Play Compatibility**  
No drivers required. Supports Windows, Android, Linux, and iOS.
- **High-Speed Decoding (60 FPS)**  
1GHz processor for rapid scanning in diverse scenarios.
- **Full Code Support**  
Reads all 1D/2D codes (paper and screen) via 2D CMOS technology.
- **Ultra-Long Scan Depth (300mm)**  
High-performance CMOS sensor and 2D lens for industry-leading depth.

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Parameter	Specification
Light Source Type	White illumination lamp, green aiming lamp
Decoding Capability	1D:Codabar, Code 39, Code 32 Pharmaceutical (PARAF), Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Matrix 2 of 5, Code 11, Code 128, GS1-128, UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, MSI, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, China Post (Hong Kong 2 of 5), Korea Post. 2D: Codeblock A, Codeblock F, PDF417, MicroPDF417, GS1 Composite Codes, QR Code, Data Matrix, Maxicode, Aztec, Hanxin.
Scanning Principle	Image-based CMOS
Resolution	640 × 480
Trigger Modes	Manual trigger, continuous scan, auto-sensing scan
Scanning Angles	Tilt: ±65°, Pitch: ±65°, Skew: ±60°
Scan Depth	EAN 13: 55mm–300mm (13mil) Code 39: 60mm–180mm (5mil) QR Code: 75mm–190mm (15mil) Code 128: 50mm–160mm (5mil)
Error Rate	≤1/5,000,000
Contrast	≥20%
Communication Interfaces	Base: USB-HID, USB-COM Bluetooth: HID, BLE Mode
Wireless Communication	2.4G: Dedicated base (up to 100m in open area) Bluetooth:Compatible with Android/iOS mobile devices
Wireless Range	Up to 100m (open area)
Receiver	Dedicated base receiver or Android/iOS mobile devices
Electrical Parameters	Specification
Voltage	DC 5V ±5%
Operating Current	210mA
Standby Current	0mA (power cut-off in standby mode)
Battery	2200mAh lithium battery
Continuous Operation	Up to 7 hours (1 scan/second) or 25,000 scans per charge
Charging Time	4–5 hours
Charging Method	Direct charging via base
Parameter	Specification
Dimensions	173 × 67 × 79mm
Material	ABS + PC
Cable Length	1.5 meters
Environmental Parameters	Specification
Operating Temp.	-20°C to +50°C
Storage Temp.	-40°C to +70°C
Humidity	5%–95% (non-condensing)
Ambient Light	0–100,000 lux
Drop Resistance	Survives 1.5-meter free falls (tested)