



BZ-R series

BZ-R Series

Double Easy Cordless Gun Type Scanners

RF 2.4Ghz Technology

The Great Cordless Scanners Everyone Can Use



EZ pair



Easy Scan

1. Double Easy cordless barcode scanning

Birch releases the wireless/cordless barcode scanners as below based on RF 2.4Ghz technology. With the unique BZ-Pairing device, the data-Pairing job can be finished within few seconds after you press the scanner trigger.

1st Easy----- in wireless/cordless data-Pairing

2nd Easy-----Enjoy the data transmission through "Cordless" with the 100-meter distance

2. Available models:

BZ-R01: Cordless long range Linear imager CCD.

BZ-R05: Cordless Laser scanner (Honeywell laser engine).

BZ-R11: Cordless 2D/1D barcode scanner (Opticon 2D engine)

Option: 2-in-1 Holder (high stand hand-free design & low stand desk-top design)

3. Features

- Wireless via 2.4A Zigbee wireless
- [BZ-Pairing device]
Licensed pair by one click
- With memory, that can save 500pcs EAN barcode unit.
- Long lasting operation for 60,000 scan per charge



Technical Specifications

General	BZ-R01	BZ-R05	BZ-R11
Interface	USB HID (option USB virtual COM)		
Barcodes supported	1D: UPC/UPC-E, EAN, Codabar, Code 39, Code 32, Code 93, Code 11, Code 128, Interleaved 2 of 5, Industrial 2 of 5, Matrix, MSI/Plessey, Telepen, GS1 DataBar	1D: UPC/UPC-E, EAN, Codabar, Code 39, Code 32, Code 93, Code 11, Code 128, EAN-128, Interleaved 2 of 5, Industrial 2 of 5, Matrix, MSI/Plessey, Telepen, GS1 Databar	1D: UPC/UPC-E, EAN, Codabar, Code 39, Code 32, Code 93, Code 11, Code 128, EAN-128, Interleaved 2 of 5, Industrial 2 of 5, Matrix, MSI/Plessey, Telepen, GS1 Databar, UK/Plessey 2D: Aztec Code, Data Matrix(ECC200/ECO-140), QR Code, Micro QR Code, MicroPDF417, PDF417 Maxi Code (mode2-5), Codablock F, Composite codes
Communication			
RF standard	2.4G		
Working Distance	100M (open environment)		
Optical			
Optical sensor	2500 pixels	CMOS area sensor, 752 × 480 pixels	CMOS area sensor, 752 × 480 pixels
Light source	Red LED (660nm)	Laser Diode 650nm	Aiming green LED + Red illumination LED
Resolution	3 mil	0.1mm / 4 mil	0.127mm / 5 mil
Depth of Field	30mm~200mm (13mil)	80mm~120mm (4mil Code 39) 30mm~430mm (UPC 100%)	25~100mm (10mil Code 39) 40~75mm (8.4mil Data Matrix)
Scan rate	270 scans/second	114 ± 10 scans/second	Up to 60 fps
PCS	45 %	30%	45 %
Electrical			
Voltage	+3.3V ± 5%	+3.3V ± 5%	+3.3V ± 5%
Scanning currents	< 110 mA	< 130 mA	< 350 mA
Standby currents	< 90 mA	< 70 mA	< 100 mA
Sleep mode	0.3 mA	0.3 mA	0.3 mA
Environment			
Operating temp	0℃ to 40℃ (32°F to 104°F)		
Storage temp	-20℃ to 60℃ (-4°F to 140°F)		
Relative Humidity	10%~90%		
Shock resistance	1.5m drops		
Physical			
Weight	140g		
Dimensions	186mm(L) × 67mm(W) × 91mm(H)		
Housing Material	ABS plastic		
Battery			
Battery type	Lithium-ion 3.7V		
Battery Capacity	1200mAh good for 60,000 scan per charge	1200mAh good for 50,000 scan per charge	1200mAh good for 40,000 scan per charge
Charge	By USB power retrieving cable		
Time of charge	About 4 hours		
Option	Desk-top stand and holder (HDR-Z000)		



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