



## Z-3190BT

### Handheld Gun-Type Wireless CCD Scanner



Z-3190BT has wireless connection ability at up to 100M work range. It is able to communicate to devices like laptops and barcode printers, eliminating hazardous cables and providing walk-around freedom. This highly reliable scanner is ideal for daily retail industry, office environment as well as industrial sectors, the ultimate invention for users requiring competence, durability, and convenience.

- Proprietary **Ultrascan** decoding technology
- 32-bit micro processor unit
- GS1 DataBar decoding capability
- Strong gun-type design
- Flexible communication options
- Wireless freedom at 100M/75M working range
- Rugged gun-type design for tough working conditions and rough operations
- Smart charging to prolong battery life
- Captures barcodes on mobile phone, tablet, or computer screens

#### Delivery Combos:

1. Device + Mini USB Cable
2. Device + Mini USB Cable + Adapter
3. Device + Cradle + Interface Cable + Mini USB Cable + Adapter  
**(Recommended Best-Buy!)**



- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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OPERATIONAL		
Light Source	617 nm visible red LED	
Optical System	Linear CCD array	
Image Sensor	2500 pixels CCD	
Depth of Field	Min. Bar Width: 3 mil	
	4 mil: 30 – 90 mm	5 mil: 30 – 130 mm
	7.5 mil: 10 – 190 mm	10 mil: 10 – 220 mm
	13 mil: 20 – 320 mm	20 mil: 10 – 360 mm
	<i>(Note: DOF may vary depending on environment condition and barcode quality.)</i>	
Scan Angle	42°	
Pitch/Roll/Skew Angle	±75° / ±25° / ±60°	
Scan Rate	330 scans per second	
Print Contrast	Min. 30% @ UPC/EAN 100%	
Indicator	Beeper and LED	
Programmable Operation	Beeper tone & volume	
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM, wand, OPOS, JPOS	
PHYSICAL		
Dimension	147.0 × 62.0 × 114.5 mm (device only)	
Weight	200 g (with battery); 500 g (with cradle)	
POWER		
Input Voltage	5 VDC ±10%	
Battery	3.7V, 2,500 mAh, Li-ion battery	
Operating Current	Charging: 700 mA (external power); Non-charging: 70 mA	
Recharging Time	Approximately 4.5 hours via cradle; 6 hours via USB cable	
Number of Scan	Over 150,000 scans at 1 scan per second per full charge	
Battery Life	40 hours per full charge	
RADIO COMMUNICATION		
Frequency	2.4 – 2.48 GHz (ISM band)	
Radio Interface	Cradle host; SPP master; HID; slave	
Working Range	Up to 100M with communication cradle (depends on operating environment)	
REGULATORY		
EMC	CE & FCC DOC compliant, VCCI, BSMI	
Safety	IEC 62471 Exempt	
Radio	FCC Part 15C; CE EN 300 328; ARIB STD-T66 (Japan); NCC (Taiwan)	
ENVIRONMENTAL		
Operating Temperature	0°C – 50°C (32°F – 122°F)	
Storage Temperature	-20°C – 60°C (-4°F – 140°F)	
Humidity	5% – 95% RH (non-condensing)	
Light Level	0 – 100,000 Lux (fluorescence)	
Drop Durability	Designed to withstand 1.2M drops	