





WIRELESS 2D WEARABLE SCANNER

FEATURES

O Outstanding Performance

Equipped with Newland latest technology, the scanner can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on screen.

Reliable and Stable Wireless
Communication

Adopting the Bluetooth 5.0 which is strong antiinterference and stable to transmit the data. O **Compact and Light-weight Design** The BS50 is extremely small and lightweight and easy to relieve the fatigue when holding it by hand for a long time.

Newlonc

High Protection Industrial Structure Design

The BS50, built into an IP65-sealed and drop resistant (1.5m) housing with no moving parts fortifies itself inside and out, is suitable for the tough outdoor environments.











IP 65





Bluetoc

NLS-BS50

Performance		
Image Sensor Illumination Aiming		1280×800 (megapixel) CMOS White LED 650nm Laser
Symbologies	2D ID OCR Postal	PDF417, QR Code, Micro QR, DataMatrix, Aztec, MaxiCode, Chinese Sensible Code, GM Code, Micro PDF417, CODEONE EAN-8, EAN-13, UPC-E, UPC-A, Code128, UCC/EAN128, I2Of5, ITF14, ITF6, Matrix 25, CodaBar, Code39, Code32 (Italian Pharma Code), Code93, ISSN, ISBN, Industrial25, Standard25, Plessey, Code11, MSI Plessey, UCC/EAN Composite, GS1 Databar, China Post 25, Code 49, Code 16K Specific OCR-B, Passport OCR, Chinese ID Card, China Travel Permit OCR US PostNet, US Planet, UK Postal, Australia Postal, Japan Postal
Resolution* Typical Depth of Field*	i Ostai	≥3mil EAN-13 (13mil): 65mm-540mm Code 39 (5mil): 120mm-330mm PDF 417 (6.7mil): 125mm-240mm Data Matrix (10mil): 125mm-240mm QR Code (15mil): 40mm-360mm
Scan Angle** Field of View Min. Symbol Contrast*		Tilt: 360°; Pitch: ±65°; Skew; ±75° Horizontal 40°, Vertical 25° 25%
Physical		
Dimension (LxWxH)		58.8×48.8×18mm
Weight Notification		Scanner: 43g Beep, LED and vibration
Operating Voltage		5VDC±5%
Wireless		
Communication Mode Radio Technology Communication Distance*** Battery Expected Charge Time Expected Battery Life		Bluetooth BLE, Bluetooth HID Modes Bluetooth 5.0 80m (open space) 670 mAh lithium-ion battery <2 hours (with power adapter) 10 hours of continuous operation (depending on the application and environmental conditions)
Environmental		
Operating Temperature Storage Temperature Battery Charge Temperature Humidity ESD Drop Sealing		-20°C to 50°C (-4°F to 122°F) -40°C to 70°C (-40°F to 158°F) 0°C to 45°C (32°F to 113°F) 5% to 95% (non-condensing) ±8 KV (contact discharge); ±15 KV (air discharge) 1.5m/4.92ft IP65
Accessories		
Accessories		USB cable, gloves (Size M/L, left/right), two-slot charging cradle, Type-c cable, power adapter
Certificates		
Certificates & Protection		CE RED, FCC ID, ROHS, SRRC, IEC 62471

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp; ID: EAN-13 (13mil).

***Communication Distance:

I, There needs to be a large open space longer than four meters without visible obstacles (buildings, cars, furniture, human bodies and walls, etc.) and serious interference from 2.4G band equipment between the host and the scanner.

2, The host and the scanner must be separated from the large-area conductor (earth, metal plate, etc.) by more than 50cm in all directions.

3, The communication distance is valid when the host receives the correct barcode 10 times after manually scanning test barcodes (EANI3 13mil) in real-time mode.

Specifications are subject to change without notice.



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