



Newland AIDC
Scanning Made Simple



NLS-BS30

WIRELESS 2D BADGE SCANNER

FEATURES

- **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 latest Bluetooth which is strong anti-interference and stable to transmit the data.
- **Cost-effective Application**
The BS30 is not only a barcode scanner but also can be used as a badge.
- **Compact and Light-weight Design**
The BS30 is extremely small and lightweight and easy to relieve the fatigue when using it on the neck or holding it by hand.
- **High Protection Industrial Structure Design**
The BS30, built into an IP65-sealed and drop resistant (1.2m) housing with no moving parts fortifies itself inside and out, is suitable for the tough outdoor environments.



CMOS



1D Barcode



2D Barcode



Laser Aimer



IP 65



Drop



USB



Bluetooth

NLS-BS30

Performance

Image Sensor		1280×800 (megapixel) CMOS
Illumination		White LED
Aiming		Laser (650nm)
Symbolologies	2D	PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode, GM Code.
	1D	Code 11, Code 128, Code39, GSI-128, AIM 128, ISBT 128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GSI Composite, EAN-13, EAN-8, ISBN, ISSN, InterLeaved 2/5, Matrix 2/5, Industrial 2/5, ITF-14, ITF-6, Standard 2/5, COOP 25, China Post 25, MSI Plessey, Plessey, GSI Databar (RSS)
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	65mm-550mm (13mil)
	Code 39	120mm-330mm (5mil)
	PDF 417	120mm-240mm (6.7mil)
	Data Matrix	125mm-240mm (10mil)
	QR Code	40mm-370mm (15mil)
Min. Symbol Contrast*		25%
Scan Angle**		Tilt: 360°; Pitch: ±55°; Skew: ±55°
Field of View		Horizontal 40°, Vertical 25°

Physical

Interface	USB
Dimension (LxWxH)	110.8×62.3×10.6mm
Weight	53g
Notification	Beep, LED and vibration
Operating Voltage	5VDC±5%

Wireless

Communication Mode	Bluetooth BLE, Bluetooth HID Modes
Radio Technology	Bluetooth 5.0
Communication Distance	30m (open space)
Battery	300 mAh lithium-ion battery
Expected Charge Time	< 2 hours (with power adapter)
Expected Battery Life	≥2.2 hours of continuous operation (scan once per 1 seconds)

Environmenta

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Battery Charge Temperature	0°C to 45°C (32°F to 113°F)
Humidity	5% to 95% (non-condensing)
ESD	±10 KV (contact discharge); ±6 KV (air discharge)
Drop	1.2m/3.94ft
Sealing	IP65

Certificates

Certificates & Protection	CE RED, FCC ID, RoHS, SRRC, IEC 62471
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*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).

Specifications are subject to change without notice.

Version: V1.4

