



## Performance

	NLS-BS8080-1D	NLS-BS8080-2D
Image Sensor	2500 Linear Imager	1280x800 CMOS
Symbologies	ID: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, ISSN, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GSI Databar, etc.	2D: PDF417, QR Code, Data Matrix, etc. ID: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, ISSN, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GSI Databar, etc.
Resolution*		≥5mil
Typical Depth of Field*	Code 128 (10mil) 60mm-500mm EAN-13 (13mil) 55mm-550mm Code 39(5mil) 70mm-185mm	EAN-13 (13mil) 50mm-540mm Code 39 (5mil) 65mm-260mm Code 128 (10mil) 38mm-411mm QR Code (15mil) 20mm-320mm PDF417 (6.7mil) 50mm-195mm Data Matrix (10mil) 40mm-250mm
Min. Symbol Contrast*	25%	20%
Scan Angle**	Pitch: ±60°; Skew: ±60°	Pitch: ±60°; Tilt: 360°; Skew: ±60°

## Physical

Interface	Type-C USB, Bluetooth HID/SPP/BLE profiles	
Dimensions	88.0(L) × 46.0(W) × 24.5(H)mm	
Weight	67g	63g
Notification	Beep, LED and vibration	
Battery	3.7V 900mAh rechargeable Li-ion battery	
Expected Battery Life	6.5 hours of continuous operation (scan once per 6s)	5 hours of continuous operation (scan once per 6s)
Expected Charge Time		3.5 hours
Current	Operating Current: 185mA (Bluetooth is on) Standby Current: 25mA	Operating Current: 280mA (Bluetooth is on) Standby Current: 11mA

## Wireless

Bluetooth Transmission Range	50m (open space)
Wireless Standards	2.4 - 2.5GHz ISM band, compatible with Bluetooth 4.0/3.0/2.1+EDR

## Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Charging Temperature	0°C to 45°C (32°F to 113°F)
Humidity	5% to 95% (non-condensing)
ESD	±4 KV (Contact discharge); ±12 KV (Air discharge)
Drop	1.2m
Sealing	IP42

## Certificates

Certificates & Protection	CE RED, FCC, TELEC, IEC 62471, RoHS, IEC60825
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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: V2.6