

# NLS-HR15

## Hand-held Barcode Scanner

(NLS-HR1550-3E)

Support PDF417 & MicroPDF417



ZigBee

The NLS-HR1550-3E hand-held barcode scanner (cordless) is able to read 1D symbologies as well as PDF417 and MicroPDF417. This model adopts Zigbee technology to realize wireless communication and supports standard RS-232 / USB. With good performance, this rugged scanner is very suitable for applications in supermarkets, shopping malls and warehouse environment application, etc.

### Product Features

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- **Data Acquisition**  
Support common 1D barcodes and PDF417 and MicroPDF417 stacked 2D barcode.
- **Operating Modes**  
Data Transmission supports Synchronous, Asynchronous and Batch mode. Memory capacity for offline scanning is up to 4095 EAN-13 barcodes of 13mil.
- **Zigbee Wireless**  
Zigbee technology, supporting long-distance communication up to 50m & easy networking to expand coverage
- **Super One Pair**  
Cradle and scanner(s) can be paired one-to-one or one-to-many simply via the Match key on cradle. And the cradle is also able to seek the paired scanner(s) via the Match key.

## Specifications

Performance	
Light Source	620nm Visible Red LED
Image Sensor	Linear imager
Symbologies	Code128, EAN-13, EAN-8, Code39,UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 Databar, PDF417(max. 255 bytes), MicroPDF417(max. 255 bytes), etc.
Resolution	≥ 4mil
Scan Angle**	Pitch ±55°@ 0°Roll and 0°Skew
	Roll ±30°@ 0°Pitch and 0°Skew
	Skew ±75°@ 0°Roll and 0°Pitch
Minimum Symbol Contrast	15%
Scan Rate	350 scans per second
Interface	RS-232, USB
Mechanical	
Dimensions of Scanner(L x W x H)	113.5 x 73 x 159 mm
Dimensions of Cradle(L x W x H)	195 x 82.5 x 47 mm
Weight of Cordless Scanner	210 g (Including battery)
Weight of Cradle	150 g
Notification	Beep and LED indicator
Power Adaptor	Output: DC5V, 1.5A Input: AC100~240V, 50~60Hz
Environmental	
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	5% ~ 95% (Non-condensing)
Static Discharge	±12KV (Air discharge), ±8KV (Contact discharge)
Sealing	IP52
Wireless	
Operating Modes	Synchronous, Asynchronous and Batch modes
Radio Technology	2.4 to 2.4835 GHz ISM Band, Zigbee technology
Communication Distance	≥ 50 m
Data Rate	20-250 KBps
Battery	2200mAh Li-ion Battery
Expected Hours of Operation	>17 hours
Charging Time	Around 3.5 hours for full charge
Number of Scans	60,000 scans per charge
Certifications	

FCC Part15 Class B, CE EMC Class B

**\*\*Test conditions:**

Code 39, 3 Bytes; Resolution=10mil; W:N=2.5:1; PCS=0.8; Barcode Height=40mm; Scan Distance=210mm, T=23 , Illumination= 200 LUX

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