

NLS-HR32

Hand-held Barcode Scanner

(NLS-HR3260-SX)



The NLS-HR3260-SX hand-held barcode scanners, armed with the state-of-the-art barcode decoder chip invented by Newland, provide an ideal solution for most 1D/2D barcode scanning applications.

Features

- **Compact & Ergonomical Design**
This device fits comfortably in any user's hands to reduce the fatigue of long-time operation, well suited for scan-intensive applications.
- **Cutting-edge Technology**
With its core technology (decoder chip) independently developed by Newland, the device delivers an unprecedented decoding capability on 1D and 2D symbologies (including QR Code, Data Matrix, PDF417).

Depth of Field

| Symbology | Barcode Density | Depth of Field (mm) |
|-------------|-----------------|---------------------|
| UPC-A | 13mil | 60 ~ 230 |
| Code 39 | 20mil | 50 ~ 290 |
| PDF417 | 6.67mil | 60 ~ 140 |
| Data Matrix | 10mil | 40 ~ 150 |
| QR | 20mil | 30 ~ 250 |

Note: The NLS-HR3260-S0 is equipped with USB interface, whereas the NLS-HR3260-S8 is equipped with RS-232 interface.

Specifications

Performance

| | |
|-----------------------------|--|
| Image Sensor | 752x480 CMOS |
| Interfaces Supported | RS-232 / USB HID-KBW / USB COM Port Emulation |
| Symbologies | 2D PDF417, QR Code, Data Matrix 1D Code128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey, etc. |
| Precision | ≥ 5mil |
| Light Source | Red LED 625±10 nm |
| Light Intensity | 300LUX (130mm) |
| Symbol Contrast | ≥ 25% |
| Scan Angle** | Roll: 360°; Pitch: ±55°; Skew: ±55° |
| Field of View | Horizontal 42°; Vertical 27.5° |

Mechanical/Electrical

| | |
|----------------------------------|---|
| Maximum Power Consumption | 1.35W |
| Operating Voltage | DC 5V |
| Current | Operating Current 240 ~ 270mA Standby Current 20mA |
| Weight | 252g |
| Dimensions (L x W x H) | 113.5×73.0×159.0mm |

Environmental

| | |
|------------------------------|---|
| Operating Temperature | -20°C to +50°C |
| Storage Temperature | -20°C to +70°C |
| Humidity | 5% to 93% (non-condensing) |
| ESD | ±8KV contact discharge; ±15KV air discharge |
| Ambient Light | 0 ~ 100,000 LUX (natural light) |

Certifications

FCC Part15 Class B, CE EMC Class B

Accessories

| | | |
|----------------------|---------------------|---|
| Cable | RS-232 Cable | RS-232 cable is provided for the NLS-HR3260-S8. It is equipped with a power connector and used to connect the scanner to a host device. |
| | USB Cable | USB cable is provided for the NLS-HR3260-S0. It is used to connect the scanner to a host device. |
| Stand | | The scanner can be mounted on the stand for hands-free scanning. |
| Power Adaptor | | The power adaptor is an optional item and can be used to provide power for the NLS-HR3260-S8. Output: DC5V,1.5A; Input: AC100~240V, 50~60Hz. |

**Test conditions:

Code 39; 3 Bytes; Resolution=10mil; W:N=3:1; PCS=0.8; Barcode Height=11mm; Scan Distance=120mm; T=23°C; Illumination=300lux.

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Specifications are subject to change without notice.

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