

# NLS-HR200C

## Hand-held Barcode Scanner



The NLS-HR200C 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

- **Applicability**

Characterized by delicate design, superior performance and solid reliability, this device fits in a wide variety of applications, including retail point-of-sale, E-commerce and office automation settings.

- **Cutting-Edge Technology**

Its core technology (decoder chip) is independently developed by Newland, comprising optical system, CMOS, digitizer, decoder, image processor and embedded system. The device delivers an unprecedented decoding capability on 1D and 2D symbologies (including QR Code, Data Matrix and PDF417). Users can create their own apps with our development tools to identify particular images and symbols.

### Depth of Field

| Symbology   | Barcode Density | Depth of Field (mm) |
|-------------|-----------------|---------------------|
| Code 39     | 10mil           | 35 ~ 175            |
| Code 39     | 15mil           | 55 ~ 235            |
| PDF417      | 10mil           | 35 ~ 185            |
| PDF417      | 15mil           | 45 ~ 235            |
| Data Matrix | 10mil           | 45 ~ 135            |
| Data Matrix | 15mil           | 55 ~ 175            |
| QR          | 10mil           | 55 ~ 115            |
| QR          | 15mil           | 45 ~ 185            |

## Specifications

| Performance                        |                   |   |
|------------------------------------|-------------------|---|
| Image Sensor                       |                   | CMOS  |
| Pixels                             |                   | 752 * 480   |
| Interfaces Supported               |                   | RS-232 / USB HID-KBW / USB COM Port Emulation   |
| Symbologies                        | 2D                | PDF417, QR Code, Data Matrix, etc.  |
|                                    | 1D                | Code 128, 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                       |                   | LED (630nm ± 10nm)  |
| Light Intensity                    |                   | 300LUX (130mm)  |
| Scan Angle **                      | Roll              | 360°@ 0°Pitch and 0° Skew   |
|                                    | Skew              | ±55° @ 0°Roll and 0° Pitch  |
|                                    | Pitch             | ±60°@ 0°Roll and 0° Skew  |
| Symbol Contrast                    |                   | ≥ 30%   |
| Mechanical/Electrical              |                   |   |
| Maximum Power Consumption          |                   | 1.65W   |
| Operating Voltage                  |                   | DC 5V   |
| Current                            | Maximum Current   | 330mA   |
|                                    | Operating Current | 290mA   |
|                                    | Standby Current   | 20mA  |
| Weight                             |                   | 268g  |
| Environmental                      |                   |   |
| Operating Temperature              |                   | -5°C to +45°C   |
| Storage Temperature                |                   | -40°C to +60°C  |
| Humidity                           |                   | 5% to 95% (non-condensing)  |
| Ambient Light                      |                   | 0 ~ 100,000LUX  |
| Certifications                     |                   |   |
| FCC Part15 Class B, CE EMC Class B |                   |   |
| Accessories                        |                   |   |
| Cables                             | RS-232 Cable      | Equipped with a power connector; used to connect the scanner to a host device.  |
|                                    | USB Cable         | Used to connect the scanner to a host device.   |
| Stand                              |                   | The scanner can be mounted on the stand for hands-free scanning.  |
| Power Adaptor                      |                   | Used to provide power for the scanner.  |
|                                    |                   | 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.\* V1.0.0

