

# 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

## NLS-HR200C Specifications

Performance		
Image Sensor	CMOS	
Pixels	752 * 480	
Interfaces Supported	RS-232 / USB HID-KBW / USB COM Port Emulation	
2D	PDF417, QR Code, Data Matrix, etc.	
Symbologies	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.	
1D		
Precision	≥ 5mil	
Light Source	LED (630nm ± 10nm)	
Light Intensity	300LUX (130mm)	
Roll	360° @ 0°Pitch and 0° Skew	
Scan Angle **	±55° @ 0°Roll and 0° Pitch	
Skew		
Pitch	±60° @ 0°Roll and 0° Skew	
Symbol Contrast	≥ 30%	
Mechanical/Electrical		
Maximum Power Consumption	1.65W	
Operating Voltage	DC 5V	
Maximum Current	330mA	
Current	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.

## Contact Us

**Newland China**  
+86-400-608-0591  
marketing@nlscan.com

**Newland Europe**  
+31(0)-345-87-0033  
info@newland-id.com

**Newland Taiwan**  
+886-2-7731-5388  
info@newland-id.com.tw

**Newland North America**  
+1-510-490-3888  
info@newlandna.com

[www.nlscan.com](http://www.nlscan.com)