

# NLS-HR22+

Handheld 2D Corded Scanner

Excellent performance

-Cost-effective

-strong and sturdy

-Ergonomic Design



## Features:

### -Excellent performance

Using the core decoding technology independently developed by Newland, equipped with excellent Hardware equipment, can easily read all kinds of barcodes, especially supermarket zero Sale code.

### -Cost-effective

HR22+ has better reading performance, stronger and more accurate reading effect than the old model; coupled with the highly integrated hardware design, customers can Get excellent QR code reading performance.

### -Exquisite appearance

The design in line with the ergonomic design principle ensures the comfort in high-intensity operations; at the same time, the appearance is small, light, fashionable and exquisite, which meets the aesthetic needs of the current O2O era, and can beautify the icing on the cake while meeting the functional needs of customers.

### -strong and sturdy

The hardware adopts a highly integrated design scheme without any redundant movable components. At the same time, the structural design has an IP42 protection level and a drop-proof height of 1.2 meters, ensuring that the product is sturdy and durable in all directions.

## Application scenarios

O2O payment, O2O card coupon write-off, jewelry, chain convenience store, bank securities ticket management, automated office management, etc.

# NLS-HR22+

## Handheld Barcode Scanner

|                                              |                                    |                                                                                                                                                                                                                                                                                           |                 |               |  |
|----------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|--|
| <b>Scanning performance</b>                  | Image Sensor                       | CMOS                                                                                                                                                                                                                                                                                      | pixel           | 640*480       |  |
|                                              | illumination                       | White LED                                                                                                                                                                                                                                                                                 | focus           | Red LED 625nm |  |
|                                              | code system                        | 2D PDF417,QR Code,Data Matrix                                                                                                                                                                                                                                                             |                 |               |  |
|                                              |                                    | 1D Code-11, Code-128, Code-39, GS1-128 (UCC/EAN-128), AIM-128, ISBT-128, Codabar, Code 93, UPC-A, UPC-E,Coupon, GS1 Composite, EAN-8, EAN-13, ISBN/ISSN, Interleaved 2/5, Matrix 2 /5,Industrial 2/5, ITF-6,ITF -14, Standard 2/5, China Post 25, MSI Plessey, Plessey, GS1 Databar (RSS) |                 |               |  |
|                                              | Reading Accuracy*                  | ≥3mil (Code128)                                                                                                                                                                                                                                                                           |                 |               |  |
|                                              | Typical reading depth of field*    | EAN-13 (13mil)                                                                                                                                                                                                                                                                            | 50mm-260mm      |               |  |
|                                              |                                    | Code 39 (5mil)                                                                                                                                                                                                                                                                            | 50mm~115mm      |               |  |
|                                              |                                    | Data Matrix (10mil)                                                                                                                                                                                                                                                                       | 35mm~125mm      |               |  |
|                                              |                                    | PDF 417 (6.7mil)                                                                                                                                                                                                                                                                          | 50mm~120mm      |               |  |
|                                              |                                    | QR Code (15mil)                                                                                                                                                                                                                                                                           | 30mm~170mm      |               |  |
|                                              | Barcode Sensitivity**              | pitch                                                                                                                                                                                                                                                                                     | ±55° (QR 15mil) |               |  |
|                                              |                                    | rotate (tilt)                                                                                                                                                                                                                                                                             | 360° (QR 15mil) |               |  |
| deflection                                   |                                    | ±55° (QR 15mil)                                                                                                                                                                                                                                                                           |                 |               |  |
| Symbol Contrast*                             | ≥20%                               |                                                                                                                                                                                                                                                                                           |                 |               |  |
| Field of view                                | Horizontal 45°, Vertical 34°       |                                                                                                                                                                                                                                                                                           |                 |               |  |
| <b>mechanical/<br/>Electrical parameters</b> | Communication Interface            | RS-232 (no flow control), USB, PS/2                                                                                                                                                                                                                                                       |                 |               |  |
|                                              | Appearance size (mm)               | 145×101×68mm                                                                                                                                                                                                                                                                              |                 |               |  |
|                                              | weight                             | 111g                                                                                                                                                                                                                                                                                      |                 |               |  |
|                                              | Tips                               | Buzzer, LED indication                                                                                                                                                                                                                                                                    |                 |               |  |
|                                              | Operating Voltage                  | 5VDC±5%                                                                                                                                                                                                                                                                                   |                 |               |  |
|                                              | Rated power consumption            | 950mW (typ.)                                                                                                                                                                                                                                                                              |                 |               |  |
|                                              | Current @5 VDC                     | Operating current 190mA (typ.), 201mA (max.)                                                                                                                                                                                                                                              |                 |               |  |
|                                              | <b>Environmental parameters</b>    | Idle current                                                                                                                                                                                                                                                                              | 35mA            |               |  |
|                                              |                                    | Operating temperature                                                                                                                                                                                                                                                                     | - 20°C~60°C     |               |  |
|                                              |                                    | storage temperature                                                                                                                                                                                                                                                                       | - 40°C~+70°C    |               |  |
| Relative humidity                            |                                    | 5%~95% (no condensation)                                                                                                                                                                                                                                                                  |                 |               |  |
| Static Protection                            |                                    | ±15 kV (air discharge), ±8 kV (direct discharge)                                                                                                                                                                                                                                          |                 |               |  |
| drop height                                  |                                    | 1.2 meters                                                                                                                                                                                                                                                                                |                 |               |  |
| Protection class                             | IP42                               |                                                                                                                                                                                                                                                                                           |                 |               |  |
| <b>International Certification</b>           | FCC Part15 Class B, CE EMC Class B |                                                                                                                                                                                                                                                                                           |                 |               |  |
| <b>Accessories list</b>                      | data line                          | A USB data cable is used to connect the machine and the host for receiving information. RS232 data cable (optional), used to connect the machine and the information receiving host.                                                                                                      |                 |               |  |
|                                              | Power Adapter                      | 5V power adapter (optional), with RS-232 data cable to supply power to the device                                                                                                                                                                                                         |                 |               |  |

. Test conditions: Ambient temperature = 23°C; Ambient illumination = 300 LUX incandescent lamp; use the test sample code developed by Newland

\* \* Test conditions: test distance = (minimum depth of field + maximum depth of field)/2; ambient temperature = 23°C; ambient illumination = 300 LUX incandescent lamp

2D: QR CODE; 10 Bytes; Minimum bar width=15 mil; PCS=0.8;

Specifications are subject to change without notice\*