



## NLS-HR3000

### HANDHELD 2D BARCODE SCANNER

## FEATURES

- **Extensive Data Capture Capabilities**

Armed with Newland's self-developed of **UIMC®** technology, the HR3000 provides the added value of postal barcodes decoding, extending its data capture capabilities.

- **Powerful Data Editing Capability**

The scanner allows customizing scanned data with ease and provides supporting software to address diverse application needs.

- **Durable Construction**

The NLS-HR3000, built into an IP52-sealed and drop resistant (1.5m) housing, can stand up to tough environments.

- **Ideal On-screen Barcode Scanning Solution**

The HR3000 delivers unmatched reading performance for various O2O applications involving on-screen barcodes even when the screen is covered with protective film or set to its lowest brightness level.



CMOS



1D Barcode



2D Barcode



Postal



USB



RS232



Drop



IP Sealing



Retail

# NLS-HR3000

## Performance

|                         |             |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor            |             | 1280×800 (megapixel) CMOS                                                                                                                                                                                                                                                                                          |
| Illumination            |             | White LED                                                                                                                                                                                                                                                                                                          |
| Aiming                  |             | Laser                                                                                                                                                                                                                                                                                                              |
| Symbologies             | ID          | Code 11, Code 128, Code39, GSI-128(UCC/ENA-128), AIM 128, ISBT 128,Codabar, Code 93, UPC-A, UPC-E, Coupon, GSI Composite, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, ITF-6, ITF-14, Standard 2 of 5,China Post 25, MSI-Plessey, Plessey, GSIDatabar(RSS), Code 49, Code 16K. |
|                         | 2D          | PDF417, QR Code, Micro QR, Data Matrix, Aztec, Maxi Code, Chinese Sensible Code, GM Code, Micro PDF417, Code One.                                                                                                                                                                                                  |
|                         | OCR         | Passport OCR, Chinese ID Card, China Travel Permit OCR                                                                                                                                                                                                                                                             |
|                         | Postal      | USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal                                                                                                                                                                                                                          |
| Resolution*             |             | ≥3mil                                                                                                                                                                                                                                                                                                              |
| Typical Depth of Field* | EAN-13      | 35mm-580mm (13mil)                                                                                                                                                                                                                                                                                                 |
|                         | Code 39     | 50mm-250mm (5mil)                                                                                                                                                                                                                                                                                                  |
|                         | PDF 417     | 40mm-215mm (6.7mil)                                                                                                                                                                                                                                                                                                |
|                         | Data Matrix | 30mm-260mm (10mil)                                                                                                                                                                                                                                                                                                 |
| Scan Angle**            |             | Pitch: ±60°, Skew: ±60°, Roll: 360°                                                                                                                                                                                                                                                                                |
| Field of View           |             | Horizontal 48°, Vertical 30°                                                                                                                                                                                                                                                                                       |
| Min Symbol Contrast*    |             | 15%                                                                                                                                                                                                                                                                                                                |

## Physical

|                         |           |                                     |
|-------------------------|-----------|-------------------------------------|
| Interface               |           | RS-232, USB                         |
| Operating Voltage       |           | 5VDC±5%                             |
| Rated Power Consumption |           | 1351mW (typical)                    |
| Current@5VDC            | Operating | 271.28mA (typical), 281.39mA (max.) |
|                         | Idle      | 129.58mA                            |
| Dimensions (L×W×H)      |           | 117.5×67.5×144mm                    |
| Weight                  |           | 140g                                |
| Notification            |           | Beep, LED, Vibration                |

## Environmental

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Operating Temperature | -20°C to 60°C (-4°F to 140°F)                     |
| Storage Temperature   | -40°C to 70°C (-40°F to 158°F)                    |
| Humidity              | 5%-95% (non-condensing)                           |
| ESD                   | ±15 KV (air discharge); ±8 KV (contact discharge) |
| Drop                  | 1.5m                                              |
| Sealing               | IP52                                              |

## Certificates

|                           |                                       |
|---------------------------|---------------------------------------|
| Certificates & Protection | CE, FCC, RoHS 2.0, IEC62471, IEC60825 |
|---------------------------|---------------------------------------|

\*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

\*\*Test conditions: Scan Distance= (min. DOF + max. DOF) / 2; T=23°C; Illumination=300lux using incandescent lamp;

2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.0

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