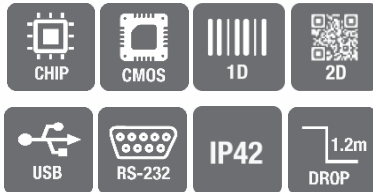


NLS-HR21

Hand-held Barcode Scanner



Features

■ Cost-effective Solution

The NLS-HR21 provides a cost-effective data capture solution that allows customers to enjoy the capabilities of 2D barcode scanner for the price of 1D scanner.

■ Elegant Appearance

Blending ergonomics and aesthetics in its design, the NLS-HR21 not only ensures operator comfort and productivity for intensive hand-held scanning but also meets the aesthetic needs of the O2O era.

■ Enhanced Performance

Equipped with Newland's third-generation decoder chip, the NLS-HR21 can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on screen.

■ Durable Construction

The NLS-HR21, built into an IP42-sealed and drop resistant (1.2m) housing with no moving parts, fortifies itself inside and out.

Application Scenarios

O2O (Online to Offline) payments, O2O gift card/e-voucher consumption check, purchase-sales-inventory management, ticket/voucher management, office automation.

NLS-HR21

SCANNING MADE SIMPLE

Hand-held Barcode Scanner

| | | | |
|---------------------------|-------------------------|-----------|--|
| Performance | Image Sensor | | 640×480 CMOS |
| | Illumination | | White LED |
| | Aiming | | 625nm red LED |
| | Symbologies | 2D | PDF417, QR Code, Data Matrix, Chinese Sensible Code |
| | | 1D | Code128, UCC/EAN-128, AIM 128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, RSS-14, RSS-Limited, RSS-Expand |
| | Resolution* | | ≥4mil |
| | Typical Depth of Field* | EAN-13 | 55mm-220mm (13mil) |
| | | QR Code | 35mm-110mm (15mil) |
| | Scan Angle** | Pitch | ±45° |
| | | Roll | 360° |
| | | Skew | ±40° |
| | Field of View | | Horizontal 45°, Vertical 34° |
| | Min. Symbol Contrast* | | 30% |
| Mechanical/ Electrical | Interfaces | | USB (Standard), RS-232 (Optional) |
| | Dimensions | | 101(L)×68(W)×145(H)mm |
| | Weight | | 115g |
| | Notification | | Beep, LED indicator |
| | Rated Power Consumption | | 0.31W (typical) |
| | Operating Voltage | | 5VDC±10% |
| | Current@5VDC | Operating | 62mA (typical), 115.5mA (max.) |
| Standby | | 33mA | |
| Environmental | Operating Temperature | | -20°C to 50°C (-4°F to 122°F) |
| | Storage Temperature | | -40°C to 70°C (-40°F to 158°F) |
| | Humidity | | 5%~95% (non-condensing) |
| | ESD | | ±8 KV (contact discharge); ±15 KV (air discharge) |
| | Drop | | 1.2m |
| | Sealing | | IP42 |
| Certifications | | | FCC Part15 Class B , CE EMC Class B |
| Accessories | Cable | USB | Used to connect the HR21 to a host device. |
| | | RS-232 | Used to connect the HR21 to a host device. (Optional) |
| | Power Adapter | | DC5V power adapter to power for the HR21 with RS-232 cable. |

*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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