



## COLD STORAGE PORTABLE DATA COLLECTOR

# NLS-N7

## Scanning made simple.

Purpose-built for cold storage, the N7 resists fogging and frosting through repeated freezer transitions, with lens heating for freezing and refrigerated use. A medium-range 1D laser and 2D CMOS engine, 29/47-key layout and ergonomic pistol grip sit in an IP65 body rated for 1.8 m drops to concrete.



NEWLAND AIDC, AVAILABLE THROUGH VERITRONICS

## FEATURES

### Cold-Storage Ready

No fogging or frosting through frequent freezer transitions; a dedicated battery and lens heating work down to -30 °C.

### Medium-Range Scanning

Top-class 1D laser and 2D CMOS engines with a 25° angle capture barcodes accurately at medium-far distance.

### Rugged & Ergonomic Grip

IP65-rated with a custom 29-key layout and pistol grip, withstanding 1.8 m drops to concrete.

## KEY SPECIFICATIONS

|                  |                         |                    |                                |
|------------------|-------------------------|--------------------|--------------------------------|
| Processor        | 2.0GHz octa-core 64-bit | Dimensions (L×W×H) | 200×70×24mm (7.87×2.76×0.94in) |
| Operating System | Android 13              | Weight             | 380g (13.4oz, incl. battery)   |
| Memory           | 4GB RAM, 64GB ROM       | Keypad             | 29 / 47 keys, backlit          |
| Display          | 4.0" WVGA IPS (480×800) | Drop               | 1.8m / 5.91ft to concrete      |
| Battery          | 5100mAh (hot-swap)      | Sealing            | IP65                           |

## Technical Specifications

NLS-N7

### PERFORMANCE

|             |                                                                                                                                                                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scan Engine | 2D CMOS + medium-range 1D laser                                                                                                                                                                                                                                                                                                             |
| Resolution  | ≥5 mil (0.127mm / 0.005in)                                                                                                                                                                                                                                                                                                                  |
| Scan Angle  | 25°                                                                                                                                                                                                                                                                                                                                         |
| Symbologies | 2D: Aztec, Composite, CS Code, Maxicode, Micro PDF, Micro QR, PDF417, QR Code, Data Matrix, DotCode<br>1D: Code128, Code49, Code16K, GS1-128 (UCC/EAN-128), AIM-128, EAN-8, EAN-13, UPC-E, UPC-A, ITF, ITF-6, ITF-14, Matrix 2 of 5, Industrial 25, Standard 2 of 5, Code39, ISSN, ISBN, Codabar, Code93, Code11, Plessey, MSI Plessey, RSS |

### WIRELESS

|            |                                          |
|------------|------------------------------------------|
| WLAN Radio | 802.11 a/b/g/n/ac, 2.4G & 5G             |
| WWAN Radio | 2G / 3G / 4G LTE                         |
| WPAN Radio | Bluetooth                                |
| GPS        | GPS / A-GPS / BeiDou / GLONASS / Galileo |

### PHYSICAL & ELECTRICAL

|                    |                                            |
|--------------------|--------------------------------------------|
| Processor          | 2.0GHz octa-core 64-bit                    |
| Operating System   | Android 13                                 |
| Memory             | 4GB RAM, 64GB ROM                          |
| Interface          | USB Type-C                                 |
| Display            | 4.0" WVGA IPS (480×800), sunlight-readable |
| Keypad             | 29 / 47 physical keys, backlit             |
| Battery            | 5100mAh (hot-swap)                         |
| Camera             | 13MP AF w/ LED flash                       |
| Expansion          | microSD / TF (max 128GB)                   |
| Lens Heating       | Freezing & refrigerated environments       |
| Dimensions (L×W×H) | 200×70×24mm (7.87×2.76×0.94in)             |
| Weight             | 380g (13.4oz, incl. battery)               |

### ENVIRONMENTAL

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Operating Temperature | -30°C to 50°C (-22°F to 131°F)                      |
| Storage Temperature   | -40°C to 70°C (-40°F to 158°F)                      |
| Humidity              | 5% to 95% (non-condensing)                          |
| Static Discharge      | ±15kV (air); ±8kV (direct)                          |
| Drop                  | 1.8m / 5.91ft to concrete (six sides, two per side) |
| Sealing               | IP65                                                |

Depth of field depends on barcode and environment. Specifications are subject to change without notice.