3003





HANDHELD INDUSTRIAL BARCODE SCANNER



## **Excellent DPM Decoding Capability**

Featuring the latest Ulmage7.3 decoding system, it enhances decoding success rates for complex barcodes, optimizing workflows and improving overall decoding efficiency. It also delivers exceptional decoding performance for DPM barcodes, including laser-etched and dot-peened markings.

## **Upgraded Dual-Core Processing Platform**

The NLS-NVH220-HD features an upgraded dual-core processing platform that enhances computing capability and efficiency, enabling faster, more stable decoding with lower power consumption.

## **Advanced Illumination System**

Provides red and blue direct illumination and white diffuse lights. The versatile lighting system accommodates various materials (such as reflective surfaces), shapes, backgrounds, and barcode colors, meeting diverse and complex scanning requirements.



Equipped with the latest Al-powered barcode positioning technology, the NLS-NVH220-HD improves decoding performance for low-contrast barcodes. Additionally, intelligent learning enables automatic parameter adjustments based on different scenarios.

## **High Protection Industrial Structure Design**

The NLS-NVH220-HD, built into an IP64-sealed and can withstand repeated falls from 1.8 meters to the ground, with excellent reliability and stability.















# NLS-NVH220-HD

## **Performance**

Aiming

Image Sensor 1280 × 800 CMOS
Illumination Direct: red & blue LEDs;

Diffct: red & blue LEDs;
Diffuse: white LED;

650nm, crosshair laser

2D OR Code, PDF417, Micro OR, Data Matrix, AZTEC.

EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code128, Code93, ITF-6, ITF-14,

Symbologies Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, Code 39, AIM 128, GS1

Composite, GSI-128(UCC/EAN), ISBT 128

Code 11, MSI-Plessey, Plessey, etc.

Resolution\* ≥3mil

EAN-13(13mil) 10mm-280mm Code 39(5mil) 30mm-180mm

Typical Depth of Field\* Code 39(20mil) 50mm-440mm

Data Matrix(10mil) 15mm-140mm QR Code(20mil) 10mm-250mm

Motion Tolerance\* 2m/s
Min. Symbol Contrast\* 20%

Scan Angle\*\*

Roll: 360°, Pitch: ±50°, Skew: ±50°

Field of View

Horizontal 42°, Vertical 28°

#### **Physical**

InterfaceUSB, RS232Operating Voltage5VDC±5%Rated Power Consumption1500mW (ty

1500mW (typical)

Operatina (typical) 300mA

Current@5VDC Operating (typical) 300mA Operating (max.) 450mA

Dimensions68(W)×86(D)×180(H) mmWeight160g (without cable)NotificationBeep, LED indicator, Vibrator

#### **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% to 95% (non-condensing)

±16 KV (air discharge); ±8 KV (direct discharge)

Drop 1.8m Sealing IP64

Certifications FCC, CE, ROHS, IEC62471, BIS, KC

USB Used to connect the NVH220 to a host device.

Accessories Cable Used to connect the NVH220 to a host device.

RS-232 AC adapter, Input 100~240V, output DC 5V/1.5A

Specifications are subject to change without notice.

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#### **Newland AIDC**

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

<sup>\*\*</sup>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.