




NVH300 Angler DP

Industrial Handheld Scanners

-  1.8m drop
-  1D & 2D
-  Acuscan
-  DPM
-  Dual Interface
-  IP64
-  Laser aimer
-  Megapixel
-  Nset
-  Warranty 5 Years



Features

New Vision

The NVH300 Angler DP is the first of Newland's New vision barcode readers designed for high-end and specialist scanning requirements that include an element or combination of; industrial protection, High density and DPM code reading acumen.

DPM Decoding

With a new generation of industrial decoding, the NVH300 Angler DP can read laser marked and dot peened barcodes on many types of surfaces. Surgical equipment, machinal engineering parts and printed circuit boards

Advanced illumination

The NVH300 Angler DP uses three different light sources to combat the contrast variances encountered from different materials marked by the DPM codes. The issues confronted by the reflection and distortion of barcodes can be negated by using different colored light projected from different angles.

Intelligent Configuration

The NVH300 Angler DP uses the three illumination colors it has and the angles of the light source with a level of intelligence by cycling through the options automatically after a short delay in attempting to scan a code. When the ideal light colors and angle combination is found, the NVH300 remembers the last setting for the following code.

Nset

Newlands's new vision range of scanners is accompanied by its own advanced configuration software. Nset is a more DPM and High-density feature-packed version of our Easyset configuration software.

Industrial Design

The NVH300 Angler DP is fortified inside and out. With an IP64 sealed housing and 1.8m drop specification, the NVH300 DPM is Newland's most formidable handheld scanner. Dirty, harsh environments are no deterrent to the NVH300 DPM. We back this up with a standard 5 Year warranty.

5 Years Full Warranty



TECHNICAL SPECIFICATIONS

NVH300 Angler DP

Data Capture

1D	All major 1D symbologies, including EAN 8, EAN 13, UPC E, UPC A, Code128, Coupon, UCC/EAN128, CodaBar, I2Of5, Febraban, ITF14, ITF6, Matrix 25, Code39, Code93, ISSN, ISBN, Industrial 25, Standard 25, China Post 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K, AIM 128, ISBT 128.
2D	All major 2D symbologies, including QR Code, Data Matrix.
Aiming	Laser diode (650nm)

Depth of Field Code 39 (5mil)	18 mm - 90 mm
Depth of Field DataMatrix (10mil)	0 mm - 90 mm
Depth of Field QR (15mil)	0 mm - 90 mm
Field of View Horizontal	41°
Field of View Vertical	31°
Illumination	Diffuse: ring of red LEDs, Direct: White LED, Ring of blue LEDs
Image Sensor	1280 x 960 CMOS
Minimal Print Contrast	20%
Motion Tolerance	2 m/s
Scan Angle Pitch	±60°
Scan Angle Roll	360°
Scan Angle Skew	±55°

Physical

Current @ 5VDC Operating	450 mA (typical), 475 mA (max)
Dimensions	76(W) x 107(D) x 185(H) mm
Input Voltage	5 VDC ±5%
Interfaces	USB, RS-232
Notifications	Beep, LED, Vibration
Power Consumption	2250 mW (typical)
Weight	245 g

Environmental

Drop	1.8 m
Electro Static Discharge (ESD)	±8 kV (direct discharge), ±16 kV (air discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP64
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	NSet
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Certifications

Certifications Hardware	CE EMC Class B, FCC Part 15 Class B
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Warranty

Warranty Standard	5 Years
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Accessories

Accessories Optional	USB cable, USB-C cable, Multiplug adapter, RS-232 cable, Wall mount clip, Foldable smart stand
Accessories Standard	USB cable

What's in the box?

NLS-NVH300-DO	NVH300 Angler DP, 2 meter USB cable
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Accessories

Charging/Power

ADP100 Power Supply for HR, FR, and FM Series (ADP100)

Cables

CBL017U RJ to USB-C Cable for HR, FR and FM Series (CBL017U)
CBL030UA USB Cable for HR12, HR32 and HR52 Series (CBL030UA)
CBL036UA USB Cable for HR, FM, and FR Series (CBL036UA)
CBL037R RS232 Cable for HR, FR, and FM Series (CBL037R)
CBL042UA USB Cable for HR, FM, and FR Series (CBL042UA)
CBL048U USB Cable for Ingenico iCT220 (CBL048U)
CBL105U USB White Cable for HR Series (CBL105U)
CBL128R Cable for Magellan Connection (CBL128R)

Peripherals

EX232 Remora (NLS-EX232-01)

Base Stations

NLS-STD-WM001 Wall Mount for HR Series (NLS-STD-WM001)
NLS-STD300 Smart Foldable Stand for NVH300 (NLS-STD300)

Newland AIDC EMEA

Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

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