



1D & 2D



Dual Interface



DPM



Megapixel



IP42



Laser aimer



1.8M drop



Nset



Warranty 5 Years

**NVH300 Angler HD**  
Handheld Scanners

## Features

### New Vision

The NVH300 Angler HD 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.

### High-Density

NVH300 Angler HD megapixel scan engine is focused to read high-density 1D and 2D barcodes. Applications for small printed 2D codes are ideal for the NVH300 Angler HD scanner.

### Dual Light Options

The NVH300 Angler HD uses white and red light in combination (or isolation) to help combat the challenges

faced by different contrasts and reflections of HD barcodes. Codes printed on Metallic surfaces or printed using metallic inks on items like printed circuit boards are ideal challenges for the NVH300 Angler HD.

### NSet

Newlands's new vision range of scanners is accompanied by its own advanced configuration software. NSet is a high-density and DPM feature-packed version of our Easysset configuration software.

### Rugged Housing

The NVH300 Angler HD can take multiple drops to 1.8m. Workbenches or part of a fast-paced production and engineering environment are comfortable places for the NVH300 Angler HD to perform securely in the knowledge that it will survive the bumps and knocks.

## Suggested industries



Healthcare



Industrial



Logistics



Manufacturing

# NVH300 Angler HD Technical specifications

## Data Capture

1D	All major 1D symbologies, including EAN-8, EAN-13, UPC-E, UPC-A, Code128, Coupon, UCC/E, AN128, 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 PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode.
Image Sensor	1280x960 CMOS
Illumination	Direct: White LED; Diffuse: Ring of red LED
Aiming	650nm laser diode
Depth of Field Code 39 (5mil)	18mm-90mm
Depth of Field Data Matrix (10mil)	0mm-90mm
Depth of Field QR Code (10mil)	0mm-90mm

## Performance

Minimal Print Contrast	20%
Scan Angle Roll	360°
Scan Angle Roll	±60°
Scan Angle Skew	±55°
Field of View Horizontal	41°
Field of View Vertical	31°
Motion Tolerance	Max 2m/s (6.56ft/s)

## Physical

Dimensions (mm)	76(W) x 107(D) x 185(H) mm
Weight	235g
Interfaces	RS-232, USB
Notifications	Beep, LED indicator, vibration
Input Voltage	5VDC±5%
Current @ 5VDC Operating	450mA (typical), 475mA (max)
Power Consumption	2250mW (typical)

## Environmental

Operating Temperature	-20°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% (non-condensing)
Electro Static Discharge (ESD)	±8 KV (direct discharge); ±16 KV (air discharge)
Drop	1.8m
IP Rating	IP42

## Software

Configuration Tools	Nset
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Specifications are subject to change without notice

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# NVH300 Angler HD Technical specifications

## Certifications

Hardware	FCC Part 15 Class B, CE EMC Class B , RoHS
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## Warranty

Standard	5 years
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