



**NVH300 HD**  
handheld scanners

## Features

### DPM Decoding Capability

With a new generation of industrial decoding, the NVH300 HD has a strong decoding capability for DPM barcodes.

### Advanced Illumination System

The NVH300 HD provides direct white illumination plus red and blue diffuse ring lights. This impressive lighting system allows users to scan complex barcodes from different material, shapes, curved surface, difficult backgrounds and colors.

### Intelligent and Configurable

Equipped with an intelligent light source selection, the NVH300 HD automatically adjusts the light source. When it comes to configuration, EasySetEX software allows for a variety of functions.

### Industrial Design

The NVH300 HD is fortified for industrial use with an IP64 sealing and 1.8m drop housing.



## Application Scenarios



industrial



manufacturing

# NVH300 HD technical specifications

Performance	Image Sensor	1280 x 960 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 (15mil)	0mm-90mm
	Minimal Print Contrast	20%
	Scan Angle Roll	360°
	Scan Angle Pitch	±60°
	Scan Angle Skew	±55°
	Field of View Horizontal	41°
	Field of View Vertical	31°
	Motion Tolerance	Max 2m/s (6.56ft/s)
Data capture	1D	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	PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode
Physical	Dimensions (mm)	76(W) x 107(D) x 179(H) mm
	Weight	235g
	Interfaces	RS-232, USB
	Notifications	Beep, LED indicator, vibration
	Input Voltage	5VDC±5%
	Current @ 5VDC	450mA (typical), 475mA (max)
	Operating 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
	Sealing	IP42
Device Management	Software	Nset (configuration)
Certifications	Certifications	FCC Part 15 Class B, CE EMC Class B