



**HR42-HD  
Halibut**  
handheld barcode  
scanner

## FEATURES

### Scan virtually any barcode.

Streamline and optimize your production line with the HR42-HD Halibut. Using advanced technology, the device enhances the scanning of virtually every 1D and 2D barcode printed on paper, plastic and metal, as well as a range of direct part marks (DPMs).

### Unrivaled performance.

With its megapixel camera, the HR42-HD Halibut raises the bar for handheld scanners. It is able to read small, dense barcodes and damaged barcodes faster and more accurately, ensuring maximum productivity no matter what.

### User-friendly aiming technology.

Designed with the end user in mind, the HR42-HD has a crisp and accurate laser aimer for point-and-shoot scanning.

### Rock-solid architecture.

Your employees can confidently use the HR42-HD Halibut all day everyday due to its drop resistant housing (1.8m). Designed for light industrial environments, the HR42-HD Halibut just works, even if they bump or drop it.

### Smart stand available.



HR42-HD Halibut with smart stand.

## Application Scenarios

Light-industrial applications • including electronic assembly • production line • healthcare • postal and financial.

# HR42-HD Halibut handheld barcode scanner

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<b>Performance</b>	Image Sensor	1280×960 CMOS		
	Illumination	White LED 650nm		
	Aiming	laser diode		
	Symbologies	2D	PDF417, QR Code, Data Matrix, Aztec, Maxicode, etc.	
		Postal	USPS Postnet, Royal Mail, KIX Post, Australian Postal, etc.	
		1D	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.	
	Resolution*	≥3mil		
	Typical Depth of Field*	EAN-13	25mm-155mm (13mil)	
		Code 39	50mm-100mm (5mil)	
		PDF417	40mm-105mm (6.7mil)	
		Data Matrix	40mm-110mm (10mil)	
		QR Code	35mm-155mm (15mil)	
	Motion Tolerance*	2m/s		
	Scan Angle**	Pitch: ±50°, Roll: 360°, Skew: ±50°		
	Field of View	Horizontal 40.5°, Vertical 30.4°		
Symbol Contrast*	≥25%			
<b>Mechanical/ Electrical</b>	Interfaces	RS-232, USB, PS/2		
	Dimensions	74.0(W)×115.0(D)×161.0(H)mm		
	Weight	173g		
	Notification	Beep, LED indicator, vibration		
	Rated Power Consumption	1251mW (typical)		
	Operating Voltage	5VDC±5%		
	Current@5VDC	Operating	266mA (typical), 344mA (max.)	
Standby		109mA		
<b>Environmental</b>	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%~95% (non-condensing)		
	ESD	±8 KV (contact discharge); ±16 KV (air discharge)		
	Drop	1.8m		
	Sealing	IP42		
<b>Certifications</b>	FCC Part15 Class B, CE EMC Class B			
<b>Accessories</b>	Cable	USB	Used to connect the HR42 to a host device.	
		RS-232	Used to connect the HR42 to a host device.	
	Power Adapter	DC5V power adapter to power the HR42 with RS-232 cable. Output: DC5V, 1.5A Input: AC100-240V, 50-60Hz		

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

Version: V1.0

\*\*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.

Specifications are subject to change without notice.

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