



HR100

High Performance Hand-held CCD Barcode Scanner



A general-purpose, high-performance CCD hand-held scanner for 1D barcode scanning, suitable for most barcode scanning needs.

Product Features

- **Durable and Easy to Operate**

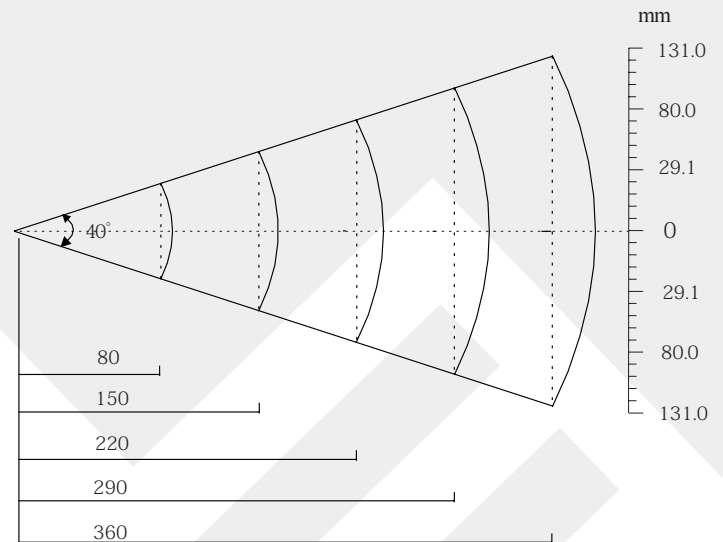
This is well-designed, ergonomic and high-performance hand-held CCD scanner can be used in various applications such as retail, logistics, office automation and many more. With a scan speed of 300 scans/per second and a decode distance of more than 30cm, it is a solid (state) alternative to hand-held laser scanning.

- **Advanced Technology**

Includes core-technology **UIMG™**, which is independently designed and manufactured by Newland Auto-ID. **UIMG™** technology includes the optical, CMOS, digitizer, decoder, image processing & embedded systems. The scanner supports all global standard 1D barcode symbologies. Its' reading performance reaches and exceeds global standards. By using the accessories provided, the user can ideally set up the scanner to its user environment.

Decode Zones

- **Field of View**



- **Decode Distances**

Barcode	Density(mil)	Near(mm)	Far(mm)
EAN-8	10	20	220
EAN-8	15	20	340
EAN-13	13	20	320
Code39	10	25	210
Code39	12	25	330
Code39	16	35	450



HR100 Specifications

Performance

Image Sensor	Linear CCD
Interface	RS232/USB-HID/KBW
Symbologies	Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, GS1 Databar, China post 25, Interleaved 2 of 5, ISBN/ISSN, Code 93 etc.
Precision	≥ 4mil
Light Source	Visible LED Diode 630 nm ± 10 nm
Scanning Speed	300 scans per second
Depth of Scan Field	40 mm - 300mm
Print Contrast Signal	≥ 30%
Roll	45°
Pitch	30°
Yaw	45°
Illumination	0 ~ 80,000 LUX

Mechanical/ Electrical

Power Consumption	0.7W (Max)	
Voltage	DC 5.0V	
Current	Peak	150mA
	Operat.	120mA
	Idle	45mA
Colours	Black OR White	
Weight	105g	

Environment

Operate Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C
Humidity	5% - 95% (non-condensing)

Certifications

FCC Part15 Class B, CE EMC Class B

Accessories

Cradle

STD100	The bracket for HR100, the HR100 could be mounted in the bracket.
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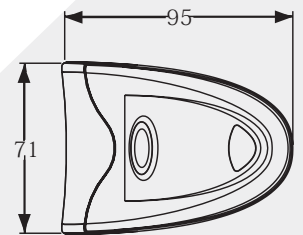
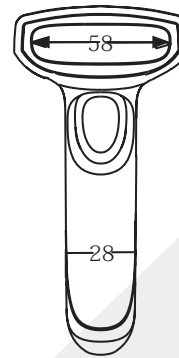
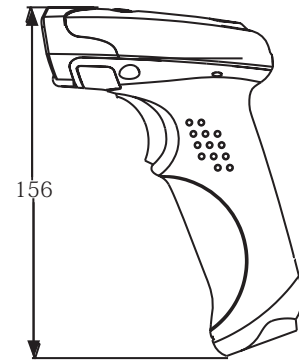
Flex Cable

CBL100R	This cable connect to the RS232 port of HR100 with a RJ45 port. With a standard female RS232 port to connect to standard male RS232 port. With a power port to accept power adapter supply.
CBL100U	This cable connect to the USB Slave port of HR100 with a RJ45 port. With a standard USB Slave port to connect to standard USB Host port.
CBL100P	This cable connect to the KBW port of HR100 with a RJ45 port. With a PS/2 Host port.

Power

ADP50	The power adapter for HR100 by the CBL100R. Output: DC 5V, 2A; Input: AC100~240V, 50~60HZ.
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Dimensions (mm)



Applicable Accessories

• User Manual / Programming Guide

A manual to explain the user the basics of the scanner and how to configure it. Furthermore, it enables the user to set the scanner to the specific wishes regarding scanning modes, readable barcodes and barcode formats.