Newland

HR2280

High Performance
Wireless Hand-held 1D/2D Barcode Scanner

A well-designed wireless hand-held scanner for 1D and 2D barcode scanning, suitable for various barcode scanning needs including scanning mobile barcodes.
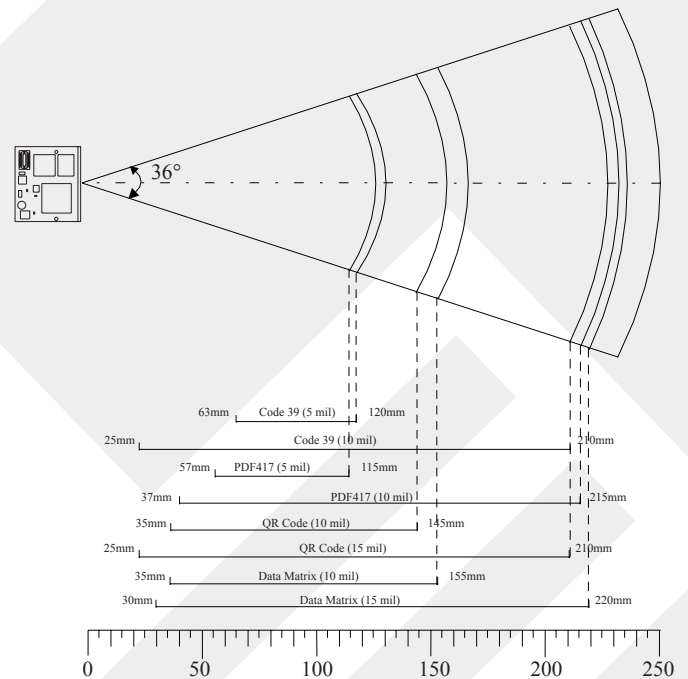
Product Features

● Durable and Easy to Operate

This is well-designed, ergonomic and high-performance wireless hand-held CMOS scanner can be used in various applications such as retail, logistics, office automation and many more. The HR2280 can even read barcodes from mobile phone displays!

● 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.

Depth of Field

36°

63mm	Code 39 (5 mil)	120mm
25mm	Code 39 (10 mil)	210mm
57mm	PDF417 (5 mil)	115mm
37mm	PDF417 (10 mil)	215mm
35mm	QR Code (10 mil)	145mm
25mm	QR Code (15 mil)	210mm
35mm	Data Matrix (10 mil)	155mm
30mm	Data Matrix (15 mil)	220mm

0   50   100   150   200   250

HR2280 Specifications

Performance	
Image Sensor	CMOS
Resoluing	752 * 480
Interface	RS232 / USB HID
Operating Frequency	433MhZ
RF Protocol	LR-433-WPAN supporting up to 128 devices
Working Range	up to 200 meters (open air)
Response time	<0.1 sec. (1 cradle to 1 scanner) ~ 1 sec. (1-to-16)
Symbologies — 2D	PDF417, QR Code(Model 1/2), DataMatrix (ECC200, ECC000, 050, 080,100,140), Aztec, Chinese-Sensible Code, Maxicode, LP Code, etc.
Symbologies — 1D	Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, China post 25,Interleaved 2 of 5, ISBN/ISSN, Code 93, GS1 Databar, etc
Precision	≥ 3mil
Light Source	LED (622 nm - 628 nm)
Light Intensity	330 LUX (130 mm)
Depth of Scan Field	20 mm ~ 220 mm
Print Contrast Signal	≥ 25%
Roll	360°
Pitch	45°
Yaw	45°
Illumination	0 ~ 100,000 LUX

Mechanical/ Electrical		Cradle	Hand held unit
Power Consumption		1.65 W	
Voltage		DC 5 V	DC 5 V
Operating Current	Max	150 mA	
	Oper.	90 mA	
	Idle	12 mA	
Dimensions		21.3 (L) × 9.7 (W) × 7.5cm (D)	17.0 (L) × 7.0 (W) × 8.3cm (D)
Colour		Dark Grey	Dark Grey
Weight		189g	201g
Indicator		Visual	Visual and audio
Drop specs		1.2m onto concrete	1.2m onto concrete

Environment	
Operate Temperature	-5°C - +45°C
Storage Temperature	-40°C - +60°C
Humidity	5% - 95% (non-condensing)
Certificates	FCC Part15 Class B, CE EMC Class B

Accessories

Flex Cable	
CBL228R	This cable connect to the RS232 port of HR2280 cradle with a RJ45 port. With a standard female RS232 port to connect to standard male RS232 port.
CBL228U	This cable connect to the USB Slave port of the HR2280 cradle with a USB B port. With a standard USB Slave port to connect to standard USB Host port.

Power	
ADP228	The power adapter for HR2280 cradle. Output: 5V DC, 1.4A; Input: 100~240V AC, 0.3A, 50~60Hz

Cradle and Scanner

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.