

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

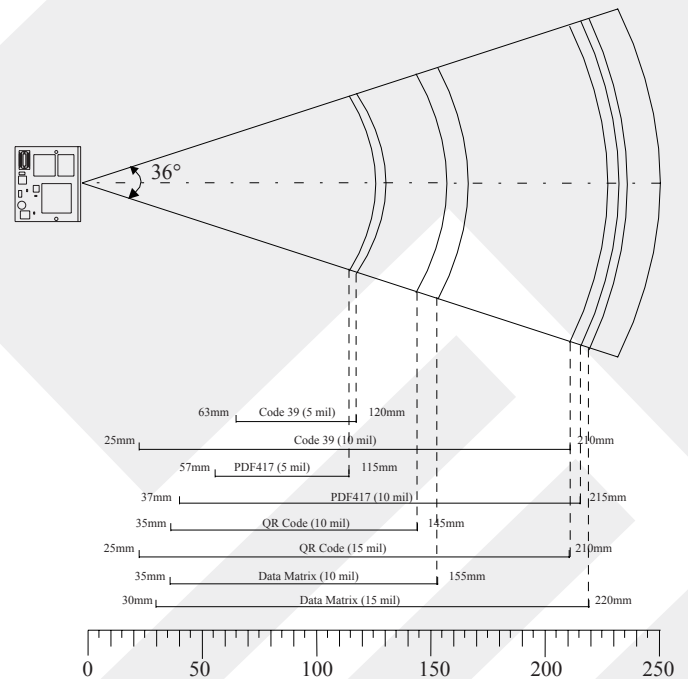
- **Durable and Easy to Operate**

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





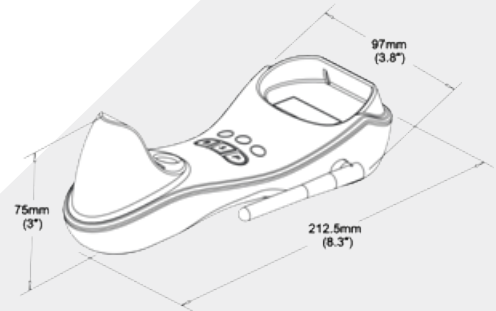
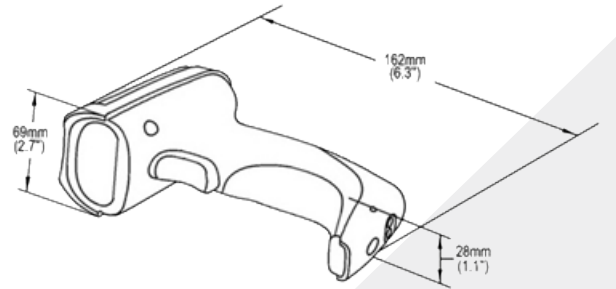
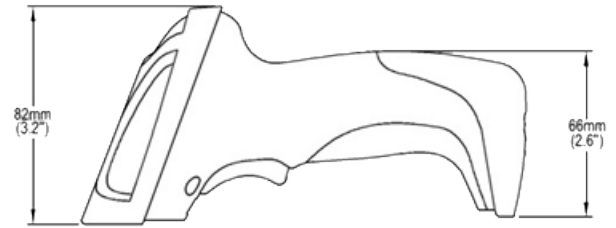
HR2280 Specifications

| Performance | | |
|------------------------|--|--|
| Image Sensor | CMOS | |
| Resolving | 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. |
| | 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 |
| Battery | | 1300 mAh Lith-ion |
| Charge time | | 3.5 hours |
| Reads per charge | | 22,000 |
| Power Consumption | 1.65 W | |
| Voltage | DC 5 V | DC 5 V |
| Operating Current | Max | 150 mA |
| | Oper. | 90 mA |
| | Idle | 12 mA |
| Colour | Dark Grey | Dark Grey |
| Weight | 189g | 201g |
| Indicator | Visual | Visual and audio |
| Drop specs | 1.2m onto concrete | 1.2m onto concrete |
| IP-rating | IP40 | IP51 |
| Environment | | |
| Operate Temperature | 0°C - +50°C | |
| Storage Temperature | -40°C - +60°C | |
| Humidity | 5% - 95% (non-condensing) | |
| Certificates | FCC Part15 Class B, CE EMC Class B | |

Accessories

| Flex Cable | |
|------------|--|
| Serial | 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. |
| USB | 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 |

Dimensions (Unit: 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.

