

# NLS-HR200 Series

## Hand-held 2D Barcode Scanner

HR200 is a hand-held scanner for general purposes of 2D barcode scanning, suitable for all kind of applications.



### PRODUCT FEATURES

#### ●Applicable Adaptation

Ergonomics design, optional fixing stand, Bluetooth communication, IP54 rating for a dust-proof & water-proof functionality.

#### ●Advance Technology

Thanks to the core-technology **UIMG**™. Independent designed and manufactured by Newland Auto-ID. **UIMG**™ technology includes the optical, CMOS, digitizer, decoder, image processing & embedded systems. Supports all global standard 1D barcode symbologies as well as major 2D codes (QR Code, Datamatrix, PDF417, Aztec, Maxicode, Chinese-Sensible Code & LP Code). Reading performance reaches global standard. By using accessories provided, scan all kinds of barcodes defined by customers.

### APPLICABLE ACCESSORIES

#### ●Quick Set

A platform for 2D barcode scanning configuration based on the Microsoft Windows. Quick set connects the scanner engine thru USB or RS-232, users are able to modify the parameters for scanner engine in real-time through this Windows operation interface.

#### ●Programming Guide

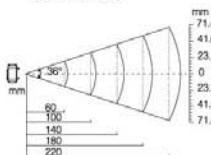
A manual for user who can scans the pre-printed barcodes to define the configuration, by reaching the same functionality as the Quick Set. Reading performance reaches global standard. By using accessories provided, scan all kinds of barcodes defined by customers.

#### ●uTools Lite

A developing tools for the 2D scanning engine based on the Microsoft Windows or Linux. Includes the tools needed for programming likes compiler, C/C++ libraries, user can directly control the scanner engine by those programs, to achieve a self defined decoding.

### DECODE ZONES

#### ●Field of View

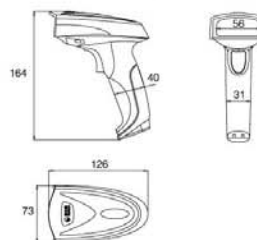


#### ●Decode Distances

Barcode	Density (mil)	Near (mm)	Far (mm)
Code 39	5	55	115
Code 39	10	30	215
PDF417	5	50	105
PDF417	10	30	215
QR Code	10	25	135
QR Code	15	25	210
DataMatrix	10	25	150
DataMatrix	15	20	220



### DIMENSION (UNIT: MM)



### SPECIFICATIONS

Performance	
Image Sensor	CMOS
Resolution	752×480
Interface	RS232 / HID-KBW / UDP / USB COM Port
	Emulation / HID-POS / PS2-KBW / BlueTooth
Symbologies	2D PDF417, QR Code(Model 1/2), DataMatrix(ECC200, ECC000, 050, 060, 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, etc.
Precision	≥ 3mil
Light Source	LED(630 nm ± 10 nm)
Light Intensity	300 LUX (130 mm )
Depth of Scan Field	45 mm ~ 450 mm
Print Contrast Signal	≥ 25%
Roll	360°
Pitch	45°
Yaw	45°
Illumination	0 ~ 100,000 LUX
Electricals	
Power Consumption	1.65 W
Voltage	DC 5 V
Current	Max 330 mA
	Working 290 mA
	Idle 200 mA
Weight	250 g
Enviroment	
Operate Temperature	-5°C - +45°C
Storage Temperature	-40°C - +60°C
Humidity	5% - 95%(non-condensing)
Programming Software	Quick Set, Programming Guide, uTools Lite
Certification	FCC Part15 Class B, CE EMC Class B