HR100-76

High Performance
Hand-held Barcode Scanner

This general-purpose, high-performance hand-held barcode scanner caters to most 1D barcode scanning needs.

Product Features

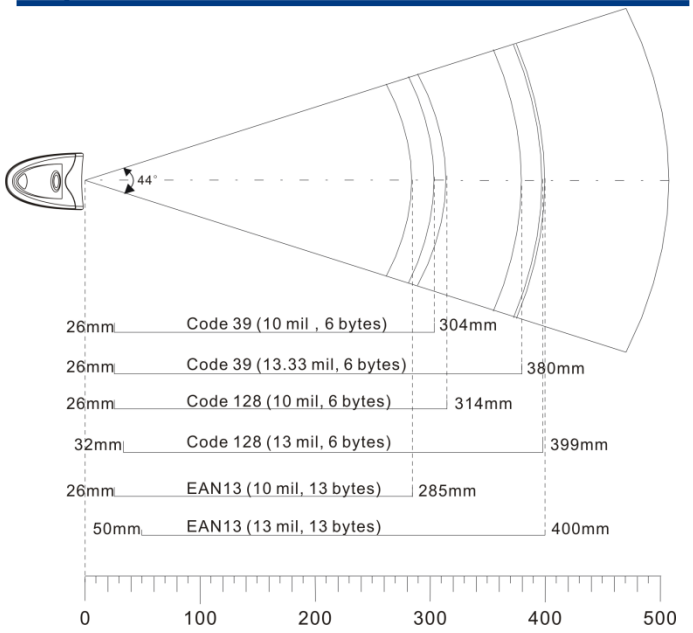
- **Durable and Easy to Operate**

  The ergonomic design, superior performance and ease of use make it ideally suited for various applications such as retail, logistics, office automation and many more. With a scan speed of 300 scans per second and a scan distance of more than 30cm, it is a solid (state) alternative to hand-held laser scanning.

- **Cutting-edge Technology**

  Its core technology UIMG® is independently developed by Newland Auto-ID, comprising optical system, digitizer, decoder, image processor and embedded system. The device delivers an unprecedented decoding capability on 1D symbologies. Users can create their own apps with our development tools to identify particular images and symbols.

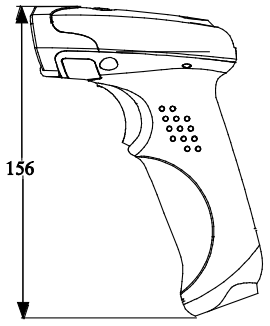
Depth of Field



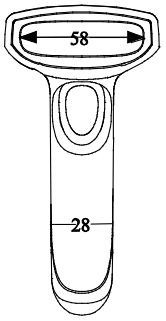
Specifications

Dimensions (unit: mm)

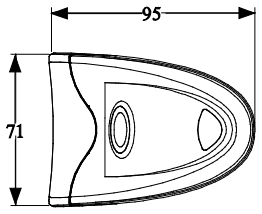
Performance		
Image Sensor		Linear imager
Interface		RS-232, USB, PS/2
Symbologies		Code128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 Databar, etc.
Resolution		≥ 5mil
Light Source		620nm Visible Red LED
Scan Rate		300 scans per second
Illumination		0 ~ 80,000 LUX
Symbol Contrast		≥ 30%
Scan Angle**	**Pitch**	±55°@ 0°Roll and 0° Skew
	Roll	±25°@ 0°Pitch and 0° Skew
	Skew	±75°@ 0°Roll and 0° Pitch
Mechanical/ Electrical		
Operating Voltage		DC 5.0V
Current	**Maximum**	150mA
	Operating	120mA
	Standby	45mA
Colors		Black or white
Weight		105g
Environmental		
Operating Temperature		0 ℃ to 50℃
Storage Temperature		-40 ℃ to 60℃
Humidity		0 to 95% (non-condensing)
Drop		1.5 m drops to concrete
Certifications		
FCC Part15 Class B, CE EMC Class B		
Accessories		
Stand		The scanner can be mounted on the stand for hands-free scanning.
Flex Cable	**RS-232 Cable**	Equipped with a power connector; used to connect the scanner to a host device.
	USB Cable	Used to connect the scanner to a host device.
	PS/2 Cable	Used to connect the scanner to a host device.
Power Adaptor		Used to provide power for the scanner. Output: DC5V,1.5A; Input: AC100~240V, 50~60Hz.



Left View



Front View



Top View

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****Test Condition:**

Code 39, 3 Bytes ; Resolution = 10mil; W:N = 2.5:1 ; PCS = 0.8 ; Barcode Height = 40mm; Scan Distance = 210mm; T=23°C; Illumination= 200 LUX