

HR100

Handheld Barcode Scanner



Features

◆ Outstanding performance.

HR100 is a general-purpose, high performance handheld barcode scanner, which caters to most 1D barcode scanning needs.

◆ 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.

Application Scenarios

Retail, logistics, office automation, manufacturing management and more.

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Product	Image Sensor		Linear imager
Performance	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°Roll and 0° Skew
		Skew	±75°@0°Roll and 0° Skew
Mechanical/ Electrical	Operating Voltage		DC 5.0V
	Current	Maximum	150mA
		Operating	120mA
		Standby	45mA
	Weight		105g
Environmental	Operating Temperature		0°C to 50°C
	Storage Temperature		-40°C to 60°C
	Humidity		0 to 95% (non-condensing)
	Drop		1.5m drop 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	RS232	Equipped with a power connector; used to connect the scanner to a host device.
		USB	Used to connect the scanner to a host device.
		PS/2	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.

**Test Condition: Code 39, 3 Bytes ; Resolution = 10mil; W:N = 2.5:1 ; PCS = 0.8 ; Barcode Height = 40mm;

Version: V1.0

Scan Distance = 210mm; T=23°C; Illumination= 200 LUX

Specifications are subject to change without notice.

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