



HR3280-HC-BT
Marlin
healthcare wireless
handheld scanner

FEATURES

Megapixel camera.

Equipped with a megapixel barcode scanner, the HR3280-HC-BT Marlin reads virtually all 1D or 2D barcode with better reading performance on long or truncated 1D codes, larger and high-density 2D codes. Complicated stacked 2D barcodes codes for emerging applications in track and trace are no issue for the HR3280-BT-HC.

Reliable and stable communication.

Adopting the latest Bluetooth 5.0 technology, the HR3280-HC-BT Marlin is able to maintain a strong, anti-interference connection to transmit data. Achieving communication distances of up to 50m, the Marlin is as at home in a tight localized workspace where wires are unwanted clutter, as it is to bridging wider gaps from a host to a scanner.

Seven scanners to one base station.

The BT5.0 technology selected for the HR3280-HC-BT Marlin allows up to 7 scanners to be paired to a single base station, allowing coordinated scanning applications to transmit data a single host. This maximises available human resource without having to match up each scanner with a different PC, tablet or mobile computer.

Application Scenarios

Healthcare • labs • physical exam rooms • assets counting and more.

Disinfectant-ready enclosure.

The HR3280-HC-BT Marlin housing is created with nSHIELD, an antimicrobial surface that is built to resist harsh cleaning agents commonly used in healthcare environments and minimize the spread of infections.

Real time and batch.

The intelligence in the HR3280-HC-BT Marlin allows the user to move seamlessly from direct BT download to a host. When out of range, it can store captured codes and download them when back in range. With its large memory capacity, enabling storage of up to 15,000 standard EAN barcodes, the Marlin can set up to work as a pure data collector.

Powerful Data Editing.

The HR3280-HC-BT Marlin is compatible with Newland's Easyset configuration software, allowing users to create the ideal configurations to match the Marlin's incredible scanning performance with their application requirements. It has complex data formatting options to match the ever increasing complexities demanded from 2D barcodes in practical applications.

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newland-id.com

Performance	Image Sensor	1280x800 CMOS		
	Illumination	White LED & Red LED (622nm-628nm)		
	Aiming	Green LED (515nm-535nm)		
	Symbologies	2D	PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode.	
		1D	EAN-8, EAN-13, UPC-E, UPC-A, Code128, Coupon, UCC/EAN128, CodaBar, I2Of5, Febraban, ITF14, ITF6, Matrix 25, Code39, Code93, ISSN, ISBN, Industrial 25, Standard 25, China Post 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K, AIM 128, ISBT 128.	
	Resolution*	≥3mil		
	Typical Depth of Field*	EAN-13 (13mil)	50mm-495mm	
		Code 39 (5mil)	85mm-220mm	
		PDF 417 (6.7mil)	70mm-215mm	
		Data Matrix (10mil)	50mm-220mm	
		QR Code (15mil)	20mm-325mm	
	Scan Angle**	Pitch	±55°	
Skew		±55°		
Tilt		360°		
Field of View	Horizontal 39°, Vertical 24°			
Min. Symbol Contrast	≥25%			
Wireless	Communication Mode	Synchronous, asynchronous and batch modes		
	Radio Technology	Bluetooth 5.0		
	Communication Distance	50m/164ft (direct line of sight in open air)		
	Memory Capacity	≥15000 pieces Code 128 (20 byte of each Code 128)		
	Battery	2200 mAh lithium-ion battery		
	Expected Charge Time	≤4 hours (with power adapter)		
	Expected Battery Life	≥12 hours of continuous operation (scan once per 6 seconds)		
Physical	Interfaces	RS-232, USB		
	Dimensions	Scanner: 113.5(W)×73.3(D)×159.0(H)mm		
	Weight	Scanner: 217g		
	Notification	Beep, LED indicator		
	Operating Voltage	5VDC±5%		
	Environmental	Operating Temperature	-20°C to 60°C (-4°F to 140°F)	
Storage Temperature		-40°C to 70°C (-40°F to 158°F)		
Battery Charge Temperature		0°C to 45°C (32°F to 113°F)		
Humidity		5% ~ 95% (non-condensing)		
ESD		±8 KV (air discharge); ±4 KV (direct discharge)		
Drop		Scanner: 1.5m/4.9ft Cradle: 1m/3.3ft		
Sealing		Scanner: IP42		
Certifications	FCC Part15 Class B, CE EMC Class B			

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C, Illumination=300lux using incandescent lamp
2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

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