Newland
SCANNING MADE SIMPLE

1d 2d megapixel IP42 1.5M DROP bluetooth

usb rs232 2200 mah



HR32 BT Marlin
handheld scanners

Features

Fantastic Megapixel scan technology.

Equipped with a megapixel barcode scanner, the HR32 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.

Reliable Wireless Connection.

Adopting the latest Bluetooth 5.0 technology, the HR32 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 HR32 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.

Real time and batch.

The intelligence in the HR32 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.

Configurable Illumination

The HR32 BT Marlin uses a combination of red and white light that can be used in tandem or independently of one another via the comprehensive user manual or via the software configuration tools.

Powerful Data Editing.

The HR32 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

Application Scenarios

food traceability
government
healthcare
inventory
retail

HR32 BT Marlin technical specifications

Performance	Memory Flash	≥15000 pieces Code 128 (20 byte of each code 128)
	Image Sensor	1280x800 CMOS
	Illumination	White LED & Red LED
	Aiming	Green LED
	Depth of Field EAN13 (13mil)	50mm-495mm
	Depth of Field CODE 39 (5mil)	85mm-220mm
	Depth of Field PDF417 (6.67mil)	70mm-215mm
	Depth of Field Data Matrix (10mil)	50mm-220mm
	Depth of Field QR (15mil)	20mm-325mm
	Minimal Print Contrast	25%
	Scan Angle Roll	360°
	Scan Angle Pitch	±55°
	Scan Angle Skew	±55°
	Field of View Horizontal	39°
	Field of View Vertical	24°
	Motion Tolerance	Max. 50 cm/s/19.7 in/s
Data capture	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 Posy 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K, AIM 128, ISBT 128
	2D	PDF417, MicroPDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode
Physical	Dimensions (mm)	Scanner: 113.5(W)x73.3(D)x159.0(H)mm
	Weight	Scanner: 217g
	Interfaces	RS-232, USB
	Battery Type	2200mAh lithium-ion battery
	Expected Battery Life	≥12 hours of continuous operation (scan once per 6 seconds)
	Expected Charge Time	≤4 hours
	Notifications	Beep, LED indicator
	Input Voltage	5VDC±5%
Environmental	Operating Temperature	-20℃ to 60℃ (-4°F to 140°F)
	Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)
	Humidity	5% to 95% (non-condensing)
	Electro Static Discharge (ESD)	±8KV (air discharge); ±4KV (direct discharge)
	Drop	Scanner: 1.5m Cradle: 1m
	Sealing	IP42
Wireless	WPAN Radio	Bluetooth 5.0
	Communication Distance	≥50m (direct line of sight in open air)
	Communication Modes	Synchronous, asynchronous and batch modes
Device Management	Software	EasySet (configuration)
Certifications	Certifications	FCC Part15 Class B, CE EMC Class B

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