Newland AIDC
SCANNING MADE SIMPLE

HR42 Halibut HD Bluetooth

Industrial Handheld Scanners

1.8m drop | 1D & 2D | 3,200 mAh | Acuscan | Bluetooth 5.0 | DPM

Dual Interface | HD | IP42 | Megapixel | Nset | Warranty 3 Years

Features

Strong Wireless Connectivity.
The HR42 HD Halibut Bluetooth comes equipped with Bluetooth 5.0, giving you the freedom to scan barcodes up to 50 meters away from the cradle. Energy efficiency, quick data rate and easy pairing are just a few of the perks of this Bluetooth connection.

Extensive Capabilities.
In addition to excelling at scanning high density barcodes, the HR42 HD Halibut Bluetooth extends its data capture capabilities by also providing the added value of postal barcode decoding.

Superior Megapixel Performance.
Thanks to its 1280x960 pixel CMOS sensor, the HR42 HD Halibut Bluetooth easily captures high resolution images and brings the scanning performance to a whole new level.

Exceptional Aiming & Illumination.
Designed with the user in mind, the HR42 HD Halibut Bluetooth utilizes a highly visible laser aimer in order to achieve an accurate target. Along with the laser aiming capabilities, there is a flicker-free, soft white illumination to reduce fatigue during demanding activities.

IR Sensor.
Even when barcodes are presented 40cm away from the HR42 HD Halibut Bluetooth, the IR sensor is activated.

Rugged Industrial Construction.
Built for tough environments, the HR42 HD Halibut Bluetooth is built into an IP42 sealed and drop resistant (1.8M) housing.

3 Years Full Warranty

Nset

TECHNICAL SPECIFICATIONS

HR42 Halibut HD Bluetooth

Data Capture

1D	All major 1D symbologies, including EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey.
2D	All major 2D symbologies, including PDF417, QR Code, Data Matrix, Aztec, Maxicode.
Aiming	Laser diode (650nm)
Depth of Field Code 39 (5mil)	50 mm - 100 mm
Depth of Field DataMatrix (10mil)	40 mm - 110 mm
Depth of Field EAN 13 (13mil)	25 mm - 155 mm
Depth of Field PDF417 (6.67mil)	40 mm - 105 mm
Depth of Field QR (15mil)	35 mm - 155 mm
Field of View Horizontal	40.5°
Field of View Vertical	30.4°
Illumination	White LED
Image Sensor	1280 x 960 CMOS
Minimal Print Contrast	25%
Motion Tolerance	2 m/s
Scan Angle Pitch	±50°
Scan Angle Roll	360°
Scan Angle Skew	±50°
Scan Modes	Automatic Batch, Manual Batch

Performance

Memory Flash	900KB

Physical

Battery Type	3200 mAh lithium-ion battery
Dimensions	Scanner: 115.0(W) x 74.0(D) x 161.0(H) mm, Cradle: 195.0(W) x82.5(D) x47.2(H) mm
Expected Battery Life	≥ 14 hours of continuous operation, up to 30,000 scans per charge
Expected Charge Time	4 hours
Interfaces	RS-232, USB
Notifications	Beep, LED
Power Consumption	2160 mW (typical)
Weight	Scanner: 230 g, Cradle: 146 g

Wireless

Communication Modes	Automatic batch, Manual batch
Radio Technology	2.4 to 2.2835 GHz ISM Band, Bluetooth 5.0, BLE
Wireless Distance (max.)	30 m (in open space)

Environmental

Drop	1.8 m
Electro Static Discharge (ESD)	±8 kV (direct discharge), ±16 kV (air discharge)

Humidity	5% to 95% (non-condensing)
IP Rating	IP42
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	NSet

Certifications

Certifications Hardware	FCC Part15 Class B, CE EMC Class B

Warranty

Warranty Standard	3 Years

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