



**HR4280 BT  
Halibut**  
handheld scanners

## Features

### Strong Wireless Connectivity.

The HR4280 BT Halibut comes equipped with Bluetooth 5.0, giving you the freedom to scan barcodes up to 10 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 HR4280 BT Halibut 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 HR4280 BT Halibut 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 HR4280 BT Halibut 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 HR4280 BT Halibut, the IR sensor is activated.

### Rugged Industrial Construction.

Built for tough environments, the HR4280 BT Halibut is built into an IP42 sealed and drop resistant (1.8M) housing.

## Application Scenarios



# HR4280 BT Halibut technical specifications

|                          |                                    |   |
|--------------------------|------------------------------------|---|
| <b>Performance</b>       | Memory Flash                       | 900KB   |
|                          | Image Sensor                       | 1280x960 CMOS   |
|                          | Illumination                       | White LED   |
|                          | Aiming                             | 650nm laser diode   |
|                          | Depth of Field EAN13 (13mil)       | 25mm-155mm  |
|                          | Depth of Field CODE 39 (5mil)      | 50mm-100mm  |
|                          | Depth of Field PDF417 (6.67mil)    | 40mm-105mm  |
|                          | Depth of Field Data Matrix (10mil) | 40mm-110mm  |
|                          | Depth of Field QR (15mil)          | 35mm-155mm  |
|                          | Minimal Print Contrast             | 25%   |
|                          | Scan Angle Roll                    | 360°  |
|                          | Scan Angle Pitch                   | ±50°  |
|                          | Scan Angle Skew                    | ±50°  |
|                          | Field of View Horizontal           | 40.5°   |
|                          | Field of View Vertical             | 30.4°   |
|                          | Scan Modes                         | Automatic Batch, Manual Batch   |
|                          | Motion Tolerance                   | 2m/s  |
| <b>Data capture</b>      | 1D                                 | 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, etc. |
|                          | 2D                                 | PDF417, QR Code, Data Matrix, Aztec, Maxicode, etc.   |
| <b>Physical</b>          | Dimensions (mm)                    | Scanner: 115.0(L)x74.0(W)x161.0(H)mm Cradle: 195.0(L)x82.5(W)x47.2(H)mm   |
|                          | Weight                             | Scanner:230g Cradle: 146g   |
|                          | Interfaces                         | RS-232, USB   |
|                          | Battery Type                       | 3200mAh lithium-ion battery   |
|                          | Expected Battery Life              | ≥ 14 hours of continuous operation, up to 30,000 scans per charge   |
|                          | Expected Charge Time               | 4 hours   |
|                          | Notifications                      | Beep, LED, vibration  |
| Power Consumption        | 2160mW (typical)                   |   |
| <b>Environmental</b>     | Operating Temperature              | -20°C to 50°C (-4°F to 122°F)   |
|                          | Storage Temperature                | -40°C to 70°C (-40°F to 158°F)  |
|                          | Humidity                           | 5% to 95% (non-condensing)  |
|                          | Electro Static Discharge (ESD)     | ±16KV (air discharge), ±8KV (direct discharge)  |
|                          | Drop                               | 1.8m  |
|                          | Sealing                            | IP42  |
| <b>Wireless</b>          | WPAN Radio                         | 2.4 to 2.2835 GHz ISM Band, Bluetooth 5.0, BLE  |
|                          | Communication Distance             | 50m (in open space)   |
|                          | Communication Modes                | Automatic Batch and Manual Batch modes  |
| <b>Device Management</b> | Software                           | Nset (configuration)  |
| <b>Certifications</b>    | Certifications                     | FCC Part 15 Class B, CE EMC Class B   |
| <b>Warranty</b>          | Warranty                           | 3 years   |