# heron™

## Instinctive Reader

## General Description

The new Heron™ has been developed by Datalogic in order to satisfy all requirements at the POS, providing high performance and an innovative design suitable for small retail POS applications.

The new Heron™, based on the "INSTINCTIVE READING DISTANCE" concept (from near contact to over 20 cm), includes the "green spot" (Datalogic patent application), which provides "good reading" feedback directly on the code, where the user usually tends to be looking.

The stand included in the package allows the reader to be used in hands-free mode. If placed correctly in the stand, the reader beeps and automatically switches to hands-free mode. The green spot remains on to show the operator where to position the code under the Heron™ for quicker and intuitive reading. As a result, Heron™ is effective as a hand-held reader and presentation scanner.

Heron™ also provides full connectivity: three models are available with different interface sets. Besides the standard D130 multi-interface model (RS232, USB, WEDGE & WAND), other models are also available: the D110 model, which provides complete connectivity to main IBM cash registers and POS terminals, and the D140 model performs undecoded reader applications.

In addition, Heron™ reads Reduced Space Symbologies (RSS), an emerging symbology that can be printed on a smaller label, which meets emerging market needs for a greater amount of data on a symbol guaranteeing investment protection.

## Features

> Intuitive aiming in hands-free applications
> Datalogic "Green Spot"
> Stand included in the package
> Complete data formatting and data editing
> Firmware upgrading
> RSS-14 decoding capability
> Several models available
> Sunrise 2005 Compliant

## Applications

> Data capture in retail and office environments
> Suitable for residential environments or wherever the instinctive reading distance is preferred

**DATALOGIC**

*heron*™ **Instinctive Reader**

# Specifications

**ELECTRICAL CHARACTERISTICS**

| | | |
|---|---|---|
| POWER SUPPLY | 5VDC +- 5% | |
| CONSUMPTION | Maximum | 180 mA |
| | Operating | 155 mA |
| | Sleep mode | 120 uA |
| | USB suspend mode | 350 uA |

**MECHANICAL CHARACTERISTICS**

| | |
|---|---|
| WEIGHT | About 160 g. (5.65 oz.) (without cable) |
| CASE MATERIAL | ABS and Polycarbonate, plus co-moulded rubber |
| CABLE LENGTH | 2 m (6.1 ft.); USB 1.8 m (5.91 ft.) |

**PERFORMANCE**

| | |
|---|---|
| LIGHT SOURCE | Visible red LED |
| SENSOR | CCD solid state (2048 pixels) |
| MAX. SCAN RATE | 256 scans/sec |
| READING FIELD | EAN13 M=1 (0,33mm) max distance = 21 cm |
| MAX. RESOLUTION | 0.1 mm ( about 4 mils ) |
| PCS | min. 15% (Datalogic Test Chart) |
| READING INDICATORS | LED, Good Read Spot, Beeper |
| READABLE BAR CODES | 2/5 family, Code 39 (plus Code 32, Cip 39),EAN/UPC, EAN128, Code 128, Code 93, CODABAR, TELEPEN, PLESSEY, Code 49, Code MSI, Code Delta IBM, Code 11, CODABLOCK, Code 16K, ISBN/ISSN, ISBT128, RSS variants |

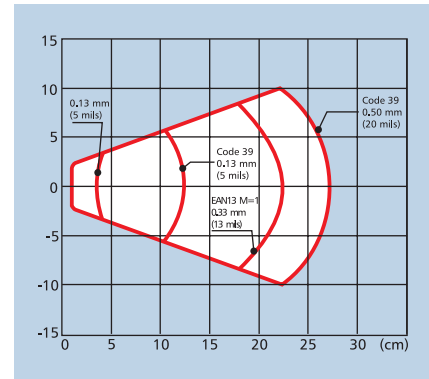| PROGRAMMING METHOD | |
|---|---|
| *Manual* | Reading special barcodes |
| *Automatic (with RS232)* | S/W commands through the serial port |
| *DLSm@rtSet™* | Windows configuration program |

| INTERFACES | |
|---|---|
| *Heron D130* | RS232, USB, Wedge & Wand |
| *Heron D110* | RS232 & IBM46xx |
| *Heron D140* | LASER/OUTPUT |

**ENVIRONMENT**

| | |
|---|---|
| AMBIENT LIGHT CONDITIONS | Up to 100,000 lux |
| WORKING TEMPERATURE | 0 °C to +55 °C |
| STORAGE TEMPERATURE | -20 °C to +70 °C |
| HUMIDITY | 90% non condensing |
| DROP RESISTANCE | Withstands 1.8 m drops onto a concrete surface |
| PROTECTION CLASS | IP30 |

# Reading Diagram



*Standard Reading Zone (10° skew angle)*

# Accessories



*STD Heron™ Hands-Free Stand*

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