

## 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



## 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

<i>Manual</i>	Reading special barcodes
<i>Automatic (with RS232)</i>	S/W commands through the serial port
<i>DLSm@rtSet™</i>	Windows configuration program

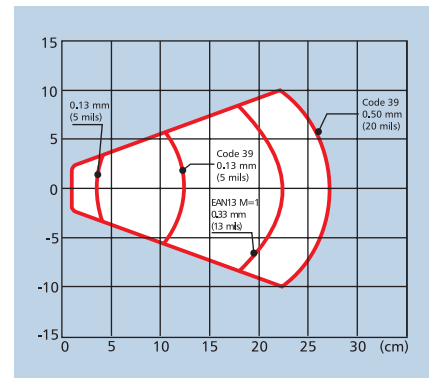
### INTERFACES

<i>Heron D130</i>	RS232, USB, Wedge & Wand
<i>Heron D110</i>	RS232 & IBM46xx
<i>Heron D140</i>	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

Switzerland • **OPAL Associates AG** • Motorenstrasse 116 • CH-8620 Wetzikon • Telefon +41 (0)1 931 12 22 • Telefax +41 (0)1 931 12 20 • Email info@opal-holding.com • URL <http://www.opal.ch/> • **OPAL Associates SA** • Avenue des Boveresses 54 • Case postale 29 • CH 1000 Lausanne 21 • Telefon +41 (0)21 653 95 00 • Telefax +41 (0)21 653 95 02 • Email info@opal-holding.com • URL <http://www.opalsa.ch/> • Germany • **OPAL Associates GmbH** • Lohnerhofstrasse 2 • D-78467 Konstanz Telefon • +49 (0)7531 813 000 • Telefax +49 (0)7531 813 00 99 • Email info@opal-holding.com • URL <http://www.opalgmbh.de/> • **OPAL Associates GmbH** • Osterholder Allee 2 • 25421 Pinneberg • Telefon +49 (0)4101 787 615 • Telefax +49(0)4101 787 616 • Email info@opal-holding.com • **OPAL Solutions GmbH** • Karl-Heinz-Beckurts-Str. 13 • 52428 Jülich • Telefon +49 (0)2461 344 954 • Telefax +49(0)2461 343 208 • Email info@opal-holding.com • URL <http://www.opal-solutions.de/> • Büro München • Telefon • 089 12737 556 • Telefax 089 12737 557 • Büro Frankfurt • Telefon • 069 8236 6501 • Telefax 69 8236 7709 • Austria • **OPAL Associates GesmbH** • Vorarlberger Wirtschaftspark • A-6840 Götzis • Telefon +43 (0) 5523 58833 • Telefax +43 (0)5523 521569 • Email info@opal-holding.com • URL <http://www.opalgmbh.at/>

