heron™

Instinctive reader

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General Description

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

The 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 quick and intuitive reading. As a result, Heron™ is effective as a hand-held reader and presentation scanner.

The Heron™ also provides full connectivity. Three models are available with different interface sets: the standard D130 multi-interface model (RS232, USB, WEDGE & WAND), which also comes in a black version; the D110 model, providing complete connectivity to main IBM cash registers and POS terminals; and the D140 model, which performs undecoded reader applications. The Heron™ D150 EAS is the latest addition, providing an integrated EAS antenna and special EAS cables, for ease of connection and compatibility with Nedap and Checkpoint EAS systems, guaranteeing EAS tag deactivation and barcode reading in one smooth motion.

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

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

Applications

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

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 (0.33 mm) max distance = 21 cm
MAX. RESOLUTION	0.10 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, Code 16K, ISBN/ISSN, ISBT128, RSS variants

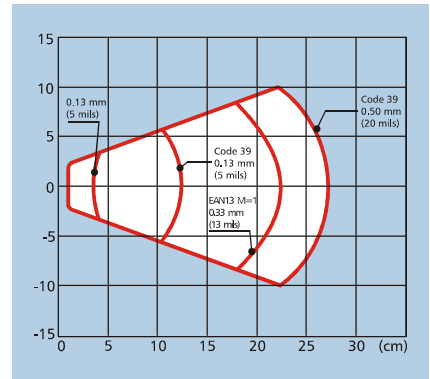|	
PROGRAMMING METHOD	
Manual	Reading special barcodes
Automatic (with RS232)	S/W commands through the serial port
DLSm@rtSet™	Windows configuration program
MODELS/INTERFACES	
Heron D130/Heron Black	RS232, USB, Wedge & Wand
Heron D110	RS232 & IBM46xx
Heron D140	LASER/OUTPUT
Heron D150	EAS connectivity

ENVIRONMENT

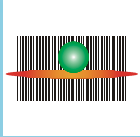|	
AMBIENT LIGHT CONDITIONS	Up to 100,000 lux
WORKING TEMPERATURE	0 °C to 55 °C
STORAGE TEMPERATURE	-20 °C to 70 °C
HUMIDITY	90% non condensing
DROP RESISTANCE	Withstands drops of 1.8 m onto a concrete surface
PROTECTION CLASS	IP30

Reading Diagram

Standard Reading Zone (10° skew angle)

Accessories

STD Heron™ Hands-Free Stand with optional metal plate

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heron™ G

CCD Gun™

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General Description

Datalogic is proud to introduce the Heron™ G, the new Datalogic hand-held reader developed to provide high performance with an appealing design. The result is a gun shaped reader that is compact, robust, easy to handle and lightweight. Its simplicity of use and ergonomics make it suitable for retail, commercial and office applications.

The Heron™ G is based on Datalogic's core technology, CCD, which is unsurpassed for reading in retail applications.

The CCD reader is also provided with a green spot (Datalogic patent) guaranteeing good reading feedback directly on the code, which is very useful in noisy environments.

A single multi-interface model (Wedge, USB, RS232 and Wand) provides flexibility and full compatibility with the different systems by simply replacing the plug-in cables.

The Heron™ G, like all the Datalogic barcode readers, has undergone a variety of tests to assure that it can withstand daily use in standard operating environments. The tests done in Datalogic's research departments and quality assurance laboratories result in a reader that is long lasting and meets all the requested quality standards in the market.

In addition, Heron™ G reads Reduced Space Symbology (RSS), an emerging symbology that can be printed on smaller labels, meeting emerging market needs for a larger amount of data on a single code.

Features

> Datalogic "Green Spot"
> Single multi-interface model: USB, RS232, Wedge and Wand
> Rugged and reliable
> Complete set of accessories
> RSS-14 decoding capability
> Sunrise 2005 Compliant

Applications

> Office Automation/Document Handling
> Manufacturing/Shop Floor
> Distribution & Retail

heron™ G | CCD Gun™

Specifications

ELECTRICAL CHARACTERISTICS

POWER SUPPLY	5VDC ±5%, directly from the PC
CONSUMPTION	Max. 180 mA
	Operating mode 155 mA
	Sleep mode 120 uA
	USB suspend mode 350 uA

MECHANICAL CHARACTERISTICS

WEIGHT	195 g (without cable)
DIMENSIONS	173 x 92 x 71 mm
CASE MATERIAL	ABS and Polycarbonate, co-molded rubber
CABLE LENGTH	2 m; USB 1.8 m

PERFORMANCE

LIGHT SOURCE	640 nm visible red LED
SENSOR	CCD solid state (2048 pixels)
SCANNING SPEED	256 scans/sec
READING ANGLE	Pitch ± 75°; Skew ± 70°; Rotation 30°
READING FIELD	See diagram
MAX. RESOLUTION	0.1 mm
BAR CODES READ	RSS, 2/5 family, Code 39 (più Code 32, Cip 39), EAN/UPC, ISBN/ISSN, EAN 128, Code 128, ISBT 128, Code 93, Code 11, CODABAR, IATA, TELEPEN, PLESSEY, Code MSI, Code Delta IBM, Code 16K, Code 49

PCS (min.)	15% (Datalogic Test Chart)
READING INDICATORS	LED, Good read spot, Beeper

PROGRAMMING METHOD

Manual	Reading special barcodes
Automatic	S/W commands through the serial port (with RS232)
DLSm@rtSet™	Windows configuration program
INTERFACES	RS232, USB, Wedge PC (XT, AT, minidin PS/2) and Wand

ENVIRONMENT

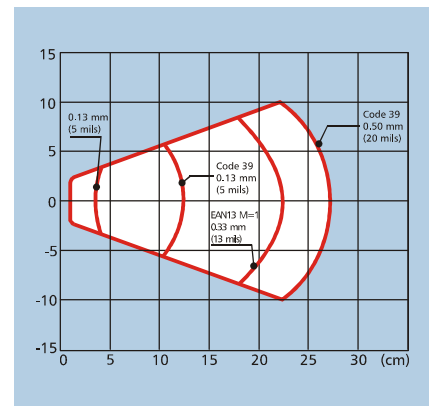|	
AMBIENT LIGHT CONDITIONS	Up to 100,000 lux
OPERATING TEMP.	0 °C to 55 °C
STORAGE TEMP.	-20 °C to 70 °C
HUMIDITY	0 to 90% non condensing
DROP RESISTANCE	Resists repeated drops from 1.8 m onto a concrete surface
PROTECTION CLASS	IP30

Accessories

Stand
The stand for the Heron™ G allows the operator to use it as a presentation scanner.

Desk/Wall Holder
The desk/wall holder permits complete flexibility and ease of use in environ-ments where the work space is extremely limited.

SPC Heron™ G and STD Heron™ G

Reading Diagram

Standard reading area (10° skew angle)

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