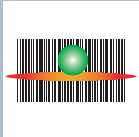# heron™

Instinctive Reader

◆DATALOGIC™

General Description

The Heron™ has been developed by Datalogic Scanning 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 Scanning 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 handheld reader and presentation scanner.

The Heron™ also provides full connectivity. Three models are available with different interface sets: the standard D130 multi-interface model (RS-232, USB, Wedge & Wand Emulation), 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 GS1 DataBar™ (RSS), an newer 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
> GS1 DataBar™ (RSS) 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

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 Scanning 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, GS1 DataBar™ (RSS)

PROGRAMMING METHOD

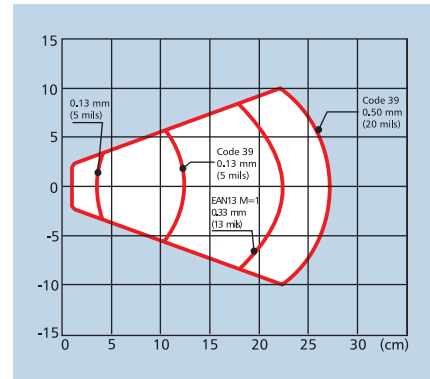|	
Manual	Reading special bar codes
Automatic (with RS-232)	S/W commands through the serial port
DLSm@rtSet™	Windows configuration program

MODELS/INTERFACES

Heron D130/Heron Black	RS-232, USB, Wedge & Wand Emulation
Heron D110	R-S232 & 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 / 32 °F to 131 °F
STORAGE TEMPERATURE	-20 °C to 70 °C / -4 °F to 158 °F
HUMIDITY	90% non condensing
DROP RESISTANCE	Withstands drops of 1.8 m / 5.9 ft 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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