Hand-Held Readers

gryphon™

Instinctive Reading Intelligent Scanner

GRYPHON

USB UNIVERSAL SERIAL BUS

5 year WARRANTY

*For models with cable only

General Description

The new Gryphon™ reader series has been developed by Datalogic to provide optimised reading performance through excellent ergonomic design.

The "INSTINCTIVE READING DISTANCE", a concept introduced by Datalogic a few years ago based on in-depth ergonomic studies, represents the natural position of the user while reading a code. The Gryphon™ series takes this concept one step further; optimised optics allow reading of the most popular standard codes with superior depths of field from near contact to over 30 cm. The "green spot", (Datalogic patent application) produced by the Gryphon™ provides "good reading" feedback directly on the code, where the user usually tends to be looking.

Gryphon™ connectivity is now further expanded thanks to the introduction of new tethered models. Besides the standard Gryphon™ models D100 and D200, the new Gryphon™ USB models D120, D220 are now available. They provide full compatibility with every application that takes advantage of the USB interface: USB KBD Wedge, USB COM emulation and USB IBM POS. Furthermore, the D110 model provides complete connectivity to main IBM cash registers and POS terminals.

The Gryphon™ M100 and M200, allow operations anywhere mobility is required at the desk/POS and around the shop floor, as well as in small warehouses. In addition, the Gryphon™ readers also read Reduced Space Symbology (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.

Features

Gryphon™ Desk

- RSS symbologies, PDF417 and linear bar code decoding
- Several models available combining different interface set: USB, RS232, Pen Emulation, Wedge. Connectivity to the IBM 46xx POS cash registers

Gryphon™ Mobile

- 433 MHz or 910 MHz Radio System
- Multiple Scanner Support: up to 16 scanners simultaneously
- Radio Range 30 meters
- 100% compatible with STAR-System™

Applications

- Data capture in retail and office environments
- Suitable for any residential environment or wherever instinctive reading distance is preferred
- Small warehousing

DATALOGIC

gryphon™

Instinctive Reading
Intelligent Scanner

Specifications

MODELS	**GRYPHON™ D & GRYPHON™ M**
SENSOR	CCD solid state (3648 pixels)
MAX. SCAN RATE	270 scans/sec
MAX. RESOLUTION	0.076 mm (3 mils)
PRINT CONTRAST RATIO	15% (min.)
READING ANGLE:	Skew: ±80°; Pitch: 65°; Tilt: ±35° (EAN13, M=0.8, PCS=0.9)
READING INDICATORS	Good Read LED, "green spot" on the code, adjustable tone "beeper"
BAR CODES	2/5 family, Code 39 (plus Code 32, Cip 39), EAN/UPC, ISBN/ISSN, EAN 128, Code 128, ISBT 128, Code 93, Code 11, CODABAR, TELEPEN, PLESSEY, Code MSI, Code Delta IBM, CODABLOCK, Code 16K, Code 49
(D200/D220/M200 only)	PDF 417
(D120/D220 only)	RSS variants
PROGRAMMING METHOD	
Manual	Reading special bar codes
Automatic (with RS232)	S/W commands through the serial port
Sm@rtSet	Windows configuration program
INTERFACES	RS232, Wedge, Wand
(D110 only)	RS232 &IBM46XX Interface
(D120/D220 only)	USB & RS232 Interface
ENHANCED FEATURES	Puzzle Solver™, data editing and data concatenation
CASE MATERIAL	ABS and Polycarbonate, plus co-moulded rubber
AMBIENT LIGHT CONDITIONS	Up to 100.000 lux
STORAGE TEMPERATURE	-20 to 70 °C (without batteries)
HUMIDITY	90% non condensing
DROP RESISTANCE	IEC 68-2-32 Test ED; withstands repeated drops from 1.8 m onto a concrete surface
ENVIRONMENTAL PROTECTION	IP30

MODEL	**GRYPHON™ D**
POWER SUPPLY	5 VDC ±5%
CONSUMPTION	250 mA operating, 330 mA max.
OPERATING TEMP.	0 to 55 °C
WEIGHT	180 g

MODEL	**GRYPHON™ M**
BATTERY TYPE	2 AA NiMh batteries
RECHARGE TIME	3 hours max.
OPERATING AUTONOMY	25,000 reads - NiMh
OPERATING TEMP.	0 to 40 °C
RADIO FREQUENCY	433.92 MHz (Europe); 910 MHz (USA)
BIT RATE	19,200 baud (Europe); 36,800 baud (USA)
EFFECTIVE RADIATED POWER	<10 mW (Europe); <1mW (USA)
RADIO RANGE	30m open air (Europe); 15m open air (USA)
COEXISTING SYSTEMS	2048 max.
WEIGHT	280 g (with batteries)
CRADLE	**OM GRYPHON™**
POWER SUPPLY	9 to 28 VDC
POWER CONSUMPTION	8W max. (charging)
READING INDICATORS	Battery charging (red); Charge completed (green); Power/Data (yellow)
RECHARGE TIME	3 hours max.
RADIO FREQUENCY	433.92 MHz (Europe); 910 MHz (USA)
BIT RATE	19,200 baud (Europe); 36,800 baud (USA)
EFFECTIVE RADIATED POWER	<10 mW (Europe); <1mW (USA)
COEXISTING SYSTEMS	2048 max.
MULTI-POINT CONFIGURATION	Up to 16 readers connected to the same cradle
WEIGHT	250 g
DIMENSIONS	208 x 107 x 55.5 mm
CASE MATERIAL	ABS

Accessories

Gryphon™ Stand

Gryphon™ Desk/Wall holder

Stand

The Gryphon™ stand makes it possible to use the reader in a hands-free mode.

Desk/Wall Holder

The Desk/Wall Holder adds ease of use and flexibility in many environments where work space is limited.

Gryphon™ Protective case

OM - Gryphon™

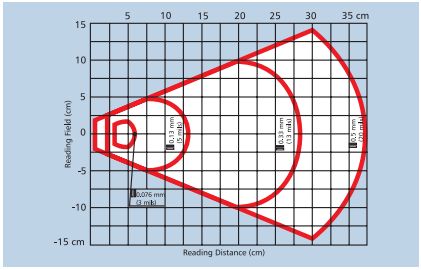
Protective case-belt coupler

The Protective Case allows the reader to be carried on a belt when not in use and protects it against drops.

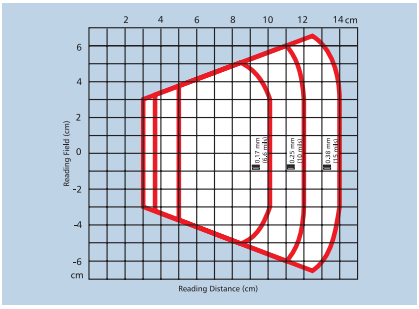
OM Gryphon™

The ergonomically designed cradle functions both as a radio station and a recharge base.

Reading Diagrams



Standard reading zone



PDF417 reading zone

DATALOGIC

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DATALOGIC Quality Partner Accredited Reseller

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