



### General Purpose Corded Handheld Linear Imager Bar Code Reader

With rich feature sets and extensive model options, the Gryphon product series from Datalogic Scanning represents the premium level of data collection equipment for general purpose applications. The Gryphon i series of corded linear imagers offer outstanding reading performance in an ergonomic form factor. Extremely versatile and durable these readers are the ultimate solution for applications in retail and light industrial environments where low resolution and/or damaged codes need to be read with consistent and reliable performance.

The Gryphon Desk products are available in several model options. The Gryphon D1X0 set offers standard support for 1D codes including GS1 DataBar and offers two multi-interface options: D110 for RS-232/IBM 46XX and the D130 for USB/RS-232/Wedge/Wand Emulation. The Gryphon D130 is also available with long range optics (D130 LR) for extended reading distances up to 43.0 cm / 16.9 in (13 mil EAN and 100% UPC codes). The Gryphon D230 standard range

model adds additional symbology support for stacked codes including PDF417 and GS1 DataBar/EAN/UPC composite codes.

Featuring Datalogic's exclusive patented 'Green Spot' for good read feedback directly on the code; it helps to improve productivity especially in noisy environments. When the readers are used in Stand Mode, the Green Spot remains on to aid in positioning the code for quick and intuitive reading.

Datalogic's patented PuzzleSolver™ decoding algorithm guarantees outstanding performance on poorly printed or damaged codes and advanced data editing and data formatting modes are available to format the collected data as required by the application software. The Datalogic Aladdin™ configuration program provides user-friendly features that simplify the start-up procedure, even for inexperienced users.



### Features

- Fast reading performance up to 270 scans/second
- Long Range optics available for extended reading distances up to 43.0 cm / 16.9 in.
- Datalogic's patented 'Green Spot' for good-read feedback
- Supports GS1 DataBar™ linear codes with additional support for stacked codes like PDF417, MicroPDF and GS1 DataBar plus UPC/EAN composites on select models
- Water and Particulate Sealing Rating: IP30
- Drop resistance to 1.8 m / 5.9 ft



## Specifications

### DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

STACKED CODES

Code 16K; D2XX; Code 49; D2XX; EAN/JAN Composites: D2XX; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; PDF417; D2XX; UPC A/E Composites: D2XX

### ELECTRICAL

CURRENT

Operating (Typical): D130: 165 mA @ 5 VDC; D230: 210 mA @ 5 VDC  
Standby/Idle (Typical): D130: < 500 µA @ 5 VDC; D230: 4 mA @ 5 VDC  
5 VDC +/- 5%

INPUT VOLTAGE

### ENVIRONMENTAL

AMBIENT LIGHT  
DROP RESISTANCE

0 - 100,000 lux  
Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface

ESD PROTECTION (AIR DISCHARGE)  
HUMIDITY (NON-CONDENSING)  
PARTICULATE AND WATER SEALING  
TEMPERATURE

15 kV  
90%  
IP30  
Operating: 0 to 55 °C / 32 to 131 °F  
Storage/Transport: -20 to 70 °C / -4 to 158 °F

### INTERFACES

Keyboard Wedge; RS-232; RS-232 / IBM 46XX; D110; USB; Wand

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE  
DIMENSIONS  
WEIGHT

Black; Dark Grey; White  
17.9 x 8.1 x 9.8 cm / 7.05 x 3.2 x 3.9 in  
210.0 g / 7.4 oz

### READING PERFORMANCE

IMAGER SENSOR  
LIGHT SOURCE  
PRINT CONTRAST RATIO (MINIMUM)  
READ RATE (MAXIMUM)  
READING ANGLE  
READING INDICATORS

CCD Solid-state 3648 pixels  
Illumination: LED Array 630 - 670 nm  
15%  
270 reads/sec.  
Pitch: 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 80°  
Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED

RESOLUTION (MAXIMUM)

0.076 mm / 3 mils

### READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.  
Printing resolution, contrast, and ambient light dependent.  
Gryphon D130  
5 mils: 2.0 to 13.0 cm / 0.8 to 5.1 in  
7.5 mils: 1.0 to 18.0 cm / 0.4 to 7.0 in  
10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in  
13 mils: 1.0 to 28.0 cm / 0.4 to 11.0 in  
20 mils: 2.0 to 37.0 cm / 0.8 to 14.4 in

### SAFETY & REGULATORY

AGENCY APPROVALS

The product meets necessary safety and regulatory approvals for its intended use.

The Quick Reference Guide for this product can be referred to for a complete list of certifications.

ENVIRONMENTAL COMPLIANCE  
LED CLASSIFICATION

Complies to China RoHS; Complies to EU RoHS  
IEC 60825 Class 1 LED

### UTILITIES

DATALOGIC ALADDIN™

Datalogic Aladdin configuration program is available for download at no charge

OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge  
OPOS Utilities are available for download at no charge

### WARRANTY

5-Year Factory Warranty



### Mounts/Stands

- 90ACC1760 Hands Free Stand (STD-GRYPHON) for Gryphon Dx000/D110/Mx00, DLC707x-M1
- 90ACC1770 Desk/Wall Holder (SPC-GRYPHON)
- 90ACC1873 Hands Free Stand (STD-1010) for Gryphon Dx20/BTx00
- 90ACC1876 PLATE, Metal Plate for STD-Gryphon, STD-10xx

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### General Purpose Corded Handheld Linear Imager Bar Code Reader for Electrostatic Discharge Control

With rich feature sets and extensive model options, the Gryphon product series from Datalogic Scanning represents the premium level of data collection equipment for general purpose applications. The Gryphon Desk ESD D200 reader has been specially developed by Datalogic Scanning to satisfy the strict requirements for EPA (ESD Protected Area) use.

ESD is a phenomenon that occurs when an object has an imbalance in its electrical charge: a fast charge transfer between objects with differing electrostatic potential caused by contact or by the proximity of the two objects. Wherever electronic components are handled, installed or assembled, ESD poses a threat to product quality. With technological advances in electronics an increasing number of these components are susceptible to damage or destruction by increasingly lower voltage levels. ESD events can also compromise the measurements taken by very sensitive instruments, like those used in hospital and

medical analysis laboratories.

The most advanced polymer and elastomeric technologies are used for the ESD-safe D200 reader. The body of the product is composed of a slightly conductive plastic, rather than an insulating one, preventing the accumulation of tribocharges. Specific cables additionally guarantee ESD safety between any two points. These specialized protective features are added to the same outstanding reading performance and ergonomic form factor found in the Gryphon Desk product series.

Featuring Datalogic's exclusive patented 'Green Spot' for good read feedback directly on the code; it helps to improve productivity especially in noisy environments. When the reader is used in Stand Mode, the Green Spot remains on to aid in positioning the code for quick and intuitive reading.



### Features

- Certified between static dissipative ( $10^6 \Omega$  and  $10^{12} \Omega$ ) and conductive ( $10^3 \Omega$  and  $10^6 \Omega$ ) range
- 16.5 kV Electrostatic protection (air discharge)
- Fast reading performance up to 270 scans/second
- Datalogic's patented 'Green Spot' for good-read feedback
- Supports GS1 DataBar™ linear codes with additional support for stacked codes like PDF417, MicroPDF and GS1 DataBar plus UPC/EAN composites on select models
- Water and Particulate Sealing Rating: IP30
- Drop resistance to 1.2 m / 3.9 ft



## Specifications

### DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

STACKED CODES

Code 16K; Code 49; EAN/JAN Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417; UPC A/E Composites

### ELECTRICAL

CURRENT

Operating (Typical): 250 mA @ 5 VDC

INPUT VOLTAGE

Standby/Idle (Typical): 250 µA  
5 VDC +/- 5%

### ENVIRONMENTAL

AMBIENT LIGHT  
DROP RESISTANCE

0 - 100,000 lux  
Withstands repeated drops from 1.2 m / 3.9 ft onto a concrete surface

ESD FEATURES

Certification Rank: Certified between static dissipative ( $10^6 \Omega$  and  $10^{12} \Omega$ ) and conductive ( $10^3 \Omega$  and  $10^6 \Omega$ ) range  
Residual Voltage: < 5 V

ESD PROTECTION (AIR DISCHARGE)  
HUMIDITY (NON-CONDENSING)  
PARTICULATE AND WATER SEALING  
TEMPERATURE

16.5 kV  
90%  
IP30  
Operating: 0 to 55 °C / 32 to 131 °F  
Storage/Transport: -20 to 70 °C / -4 to 158 °F

### INTERFACES

Keyboard Wedge; RS-232

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE  
DIMENSIONS  
WEIGHT

Black  
17.9 x 8.1 x 9.8 cm / 7.0 x 3.2 x 3.9 in  
200.0 g / 7.1 oz

### READING PERFORMANCE

IMAGER SENSOR  
LIGHT SOURCE  
PRINT CONTRAST RATIO (MINIMUM)  
READ RATE (MAXIMUM)  
READING ANGLE  
READING INDICATORS

CCD Solid-state 3648 pixels  
Illumination: LED Array 630 - 670 nm  
15%  
270 reads/sec.  
Pitch: 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 80°  
Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback

RESOLUTION (MAXIMUM)

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ENVIRONMENTAL COMPLIANCE  
LED CLASSIFICATION

Complies to China RoHS; Complies to EU RoHS  
IEC 60825 Class 1 LED

### WARRANTY

5-Year Factory Warranty



#### Mounts/Stands

- 90ACC1770 Desk/Wall Holder (SPC-GRYPHON)

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