



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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Product specifications are subject to change without notice.

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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
Standby/Idle (Typical): 250 µA

INPUT VOLTAGE 5 VDC +/- 5%

ENVIRONMENTAL

AMBIENT LIGHT 0 - 100,000 lux

DROP RESISTANCE Withstands repeated drops from 1.2 m / 3.9 ft onto a concrete surface

ESD FEATURES Certification Rank: Certified between static dissipative (10⁶ and 10¹²) and conductive (10³ and 10⁹) range
Residual Voltage: < 5 V
16.5 kV
90%
IP30

ESD PROTECTION (AIR DISCHARGE) Operating: 0 to 55 °C / 32 to 131 °F

HUMIDITY (NON-CONDENSING) Storage/Transport: -20 to 70 °C / -4 to 158 °F

PARTICULATE AND WATER SEALING

TEMPERATURE

INTERFACES

Keyboard Wedge; RS-232

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE Black

DIMENSIONS 17.9 x 8.1 x 9.8 cm / 7.0 x 3.2 x 3.9 in

WEIGHT 200.0 g / 7.1 oz

READING PERFORMANCE

IMAGER SENSOR CCD Solid-state 3648 pixels

LIGHT SOURCE Illumination: LED Array 630 - 670 nm

PRINT CONTRAST RATIO (MINIMUM) 15%

READ RATE (MAXIMUM) 270 reads/sec.

READING ANGLE Pitch: 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 80°

READING INDICATORS Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback

RESOLUTION (MAXIMUM) 0.076 mm / 3 mils

READING RANGES

TYPICAL DEPTH OF FIELD Minimum distance determined by symbol length and scan angle.
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ENVIRONMENTAL COMPLIANCE Complies to China RoHS; Complies to EU RoHS

LED CLASSIFICATION IEC 60825 Class 1 LED

WARRANTY

5-Year Factory Warranty



Mounts/Stands

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

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