



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 linear imaging readers provide advanced reading performance and decoding for a wide variety of applications. The Gryphon GD4100 readers' ability to capture bar codes from near contact to over 1.0 m / 3.9 ft increases productivity and improves ergonomics for users. A wide scan angle reads very wide codes and renewed decoding capabilities increase throughput on hard-to-read, poor or damaged codes. All of these features combined with high-resolution decoding for labels as small as 3 mils, establishes the Gryphon I GD4100 readers as high-performance products and powerful data capture solutions.

Datalogic's exclusive patented 'Green Spot' for good-read feedback directly on the code is ideal under dim lighting conditions or noisy

environments. The Green Spot, together with the fast reading and decoding capabilities make the Gryphon I GD4100 readers the best choice to improve productivity in retail and office environments, hospitals, pharmacies, light industrial, warehouses and manufacturing plants.

The Gryphon I GD4100 readers offer a choice of two sets of multi-interface options: USB, Keyboard Wedge, RS-232 and Wand Emulation, or for use in point-of-sale (POS) environments, IBM 46XX, USB and RS-232. Both interface sets offer configuration flexibility and are easily adapted for migration or future changes to the host system. Remote Host Download lowers the service costs and improves operations allowing for hassle-free field upgrades while the desktop Datalogic Aladdin™ configuration program provides user-friendly features that simplify the start-up procedure, especially for inexperienced users.

The Gryphon GD4100 readers' stylish enclosures, reduced weight and physical dimensions together with a 1.8 m / 5.9 ft drop resistance and IP42 sealing rating produce a reliable, ergonomic solution with the combined excellence of ease of use and advanced reading capabilities.

Features

- Extremely snappy reading performance with speeds up to 325 reads/second
- Extended reading distances including up to 60.0 cm / 23.6 in for 13 mil UPC/EAN 13 labels
- Wide 42° scan angle for reading wider codes
- Datalogic's patented 'Green Spot' for good-read feedback
- Supports GS1 DataBar™ linear codes
- Remote Host Download lowers service costs and improves operations (GD4110 Model)
- Multi-interface solutions support most popular interfaces including USB, RS-232, Keyboard Wedge, IBM 46XX and Wand
- Water and Particulate Sealing Rating: IP42
- 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

POSTAL CODES
STACKED CODES

China Post
GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

ELECTRICAL

CURRENT

Operating (Typical): GD4110: 225 mA @ 5 VDC; GD4130: 245 mA @ 5 VDC
Standby/Idle (Typical): 120 mA @ 5 VDC

INPUT VOLTAGE

GD4110: 4.5 - 14.0 VDC; GD4130: 4.75 - 5.25 VDC

ENVIRONMENTAL

AMBIENT LIGHT

0 - 100,000 lux

DROP RESISTANCE

Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface

ESD PROTECTION (AIR DISCHARGE)

16 kV

HUMIDITY (NON-CONDENSING)

0 - 90%

PARTICULATE AND WATER SEALING

IP42

TEMPERATURE

Operating: 0 to 55 °C / 32 to 131 °F

Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

RS-232 / IBM 46XX / USB Multi-Interface

RS-232 / USB / Keyboard Wedge / Wand Multi-Interface

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

Black; White

DIMENSIONS

18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in

WEIGHT

169.0 g / 6.0 oz

READING PERFORMANCE

IMAGER SENSOR

CCD Solid-State

LIGHT SOURCE

Illumination: Dual LED Array 630 - 670 nm

PRINT CONTRAST RATIO (MINIMUM)

15%

READ RATE (MAXIMUM)

325 reads/sec.

READING ANGLE

Pitch: 65°; Roll (Tilt): 35°; Skew (Yaw): 65°

READING INDICATORS

Beeper (Adjustable Tone and Volume); 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.

5 mils: 6.0 to 18.0 cm / 2.3 to 7.0 in

7.5 mils: 3.5 to 30.0 cm / 1.4 to 11.7 in

10 mils: 2.0 to 45.0 cm / 0.8 to 17.7 in

13 mils: 3.0 to 60.0 cm / 1.2 to 23.4 in

20 mils: 3.0 to 80.0 cm / 1.2 to 31.2 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

Complies to China RoHS; Complies to EU RoHS

LED CLASSIFICATION

IEC 60825-1 Class 1 LED Product

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

REMOTE HOST DOWNLOAD

OPOS Utilities are available for download at no charge
Lowers service costs and improves operations: GD4110

WARRANTY

5-Year Factory Warranty



Mounts/Stands

- HLD-G040-BK Desk/Wall Holder, G040, Black
- HLD-G040-WH Desk/Wall Holder, G040, White
- STD-AUTO-G040-BK Smart Stand, G040, Black
- STD-AUTO-G040-WH Smart Stand, G040, White
- STD-G040-BK Basic Stand, G040, Dark
- STD-G040-WH Basic Stand, G040, White

© 2008 Datalogic Scanning, Inc.

All rights reserved. • Protected to the fullest extent under U.S. and international laws.
• Copying, or altering of this document is prohibited without express written consent from Datalogic Scanning, Inc.

Datalogic is a registered trademark of Datalogic S.p.A. in many countries and the Datalogic logo, Datalogic Aladdin and Gryphon are trademarks of Datalogic S.p.A.

Other brand and product names may be trademarks of their respective owners.

Product specifications are subject to change without notice.

DS-GRYPHONIGD4100-EN 20081202

www.scanning.datalogic.com