



General Purpose Corded Handheld Area 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 Desk 2D Plus reader series have enhanced optics with improved 'motion tolerance' allowing codes placed on fast moving objects to be easily and quickly captured, creating the ideal reader for tasks requiring high throughput like those found in retail and light industrial environments.

Featuring outstanding snappiness and omnidirectional reading, the Gryphon D4X2 Plus improves productivity and efficiency in a wide range of applications. It supports the most common symbologies including 1D, 2D and postal codes plus stacked and composite codes like PDF417 and GS1 DataBar. The D4X2 Plus reader can also capture the entire image of an object to be identified, regardless of its orientation, making it ideal for 'image-

based' applications such as signature capture and wide document scanning. The Gryphon D432E model is for applications reading high resolution 2D codes.

The Gryphon Desk 2D Plus readers feature Datalogic's exclusive patented 'Green Spot' providing good read feedback directly on the code which is especially useful for noisy environments. Aiming at the image to be captured is easy and intuitive, with the single click trigger that enables the Datalogic 5-dot aimer, marking the four corners and center of the reading area.

The Gryphon D4X2 Plus reader is available in two different interface models: a multi-standard interface for connection to the host via USB (COM and Wedge Emulation), RS-232 or Wedge Emulation or an IBM 46XX interface model which also includes USB and RS-232 interfaces. The Datalogic Aladdin™ configuration program provides user-friendly features to easily configure all of the reader's parameters as well as provides a quick view of downloaded images.



Features

- Omnidirectional reading
- Advanced 'motion tolerance' optics
- Datalogic's patented 'Green Spot' for good-read feedback and instinctive 5-dot aimer
- Supports 1D, 2D and postal codes plus stacked and composite codes like PDF417 and GS1 DataBar™
- Image Capture
- 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

2D CODES
POSTAL CODES

Aztec Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
Australian Post; China Post; IMB; Japanese Post; KIX Post; Korea Post;
Planet Code; Postnet; Royal Mail Code (RM4SCC)
EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded
Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional;
MacroPDF; MicroPDF417; PDF417; UPC A/E Composites

ELECTRICAL

CURRENT

Operating (Typical): 245 mA @ 5 VDC
Standby/Idle (Typical): 120 mA @ 5 VDC

INPUT VOLTAGE

IBM Interface: 4.75 - 24 VDC; Standard Model: 4.75 - 5.25 VDC

ENVIRONMENTAL

AMBIENT LIGHT
DROP RESISTANCE
ESD PROTECTION (AIR DISCHARGE)
HUMIDITY (NON-CONDENSING)
PARTICULATE AND WATER SEALING
TEMPERATURE

0 - 100,000 lux
Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface
16 kV
0 - 95%
IP50
Operating: 0 to 50 °C / 32 to 122 °F
Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

IBM 46xx; Keyboard Wedge; RS-232; USB

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE
DIMENSIONS
WEIGHT

Dark Grey; White
17.9 x 8.1 x 9.8 cm / 7.0 x 3.2 x 3.9 in
198.0 g / 7.0 oz

READING PERFORMANCE

IMAGE CAPTURE

Wide VGA: 752 x 480 pixels; Graphic Formats: BMP, JPEG, TIFF; Greyscale:
256, 16, 2

IMAGER SENSOR

2D CMOS Array: 752 x 480 pixels

LIGHT SOURCE

Aiming: 630 - 670 nm VLD

PRINT CONTRAST RATIO (MINIMUM)

23%

READING ANGLE

Pitch: +/- 35°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°

READING INDICATORS

Beeper (Adjustable Tone): Datalogic 'Green Spot' Good Read Feedback;
Good Read LED

RESOLUTION (MAXIMUM)

Data Matrix: 0.168 mm / 6.6 mils; Linear: 0.100 mm / 4.0 mils

READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.
Printing resolution, contrast, and ambient light dependent.
10 mil Data Matrix: 1.5 to 14.0 cm / 0.6 to 5.5 in
10 mil PDF: 0.5 to 22.0 cm / 0.2 to 8.6 in
EAN13 - 13 mils: 1.5 to 22.0 cm / 0.6 to 8.6 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

LASER CLASSIFICATION

CDRH Class II; IEC 60825 Class 2

LED CLASSIFICATION

IEC 60825 Class 1 LED

UTILITIES

DATALOGIC ALADDIN™

Datalogic Aladdin configuration program is available for download at no charge.

REMOTE HOST DOWNLOAD

Available on request

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

© 2007-2010 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 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-GRYPHON2DPLUS-EN 20100720

www.scanning.datalogic.com