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	Aztec Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
POSTAL CODES	Australian Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
STACKED CODES	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	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 - 95%
PARTICULATE AND WATER SEALING	IP50
TEMPERATURE	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	Dark Grey; White
DIMENSIONS	17.9 x 8.1 x 9.8 cm / 7.0 x 3.2 x 3.9 in
WEIGHT	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