GRYPHON™ I GBT4400 2D

DATALOGIC



IMAGING TECHNOLOGY

With rich feature sets, the Gryphon™ product series from Datalogic ADC represents the premium level of data collection equipment for general purpose applications. The Gryphon I GBT4400 2D scanner blends advanced reading technology with the ability to detect the natural actions of the operator to produce user-friendly features and outstanding performance.

Lightweight and comfortable to use, the steady, dim, deep red illumination light is much easier on the eyes than other similar products with flicker illumination, even during extended periods of use. The highly visible 4-Dot aimer clearly defines the reading zone of the scanner and the center cross provides a locator for targeting when scanning a sheet or product with multiple bar codes.

MODERN FEATURES

The Gryphon GBT4400 2D reader is designed with Datalogic's Motionix™ motion-sensing technology, which enables the scanner to intuitively switch into handheld mode when the device is picked up. When placed back into the stand, it seamlessly returns to stand mode, eliminating the need to scan a code or to rely on a mechanical switch to make this change. The two-position base station provides the flexibility to use the scanner in presentation or stand mode while it's charging. The scanner also features Datalogic's patented 'Green Spot' for additional good read confirmation by placing a green spot directly on the code.

SIMPLE TO USE AND DEPLOY

The scanner offers excellent performance when reading bar codes from cell phones or mobile devices for mobile marketing or ticketing applications. High Density (HD) models are available for reading smaller, condensed codes.

Featuring Bluetooth® wireless technology, the reader can transmit data to the host through its base station as well as to any commercial or embedded Bluetooth v2.0 compliant device.

GREEN SPOT

DATALOGIC aladdin

GS1

YEAR WARRANTY

FEATURES

- Bluetooth Wireless Technology with up to 30 m / 98 ft range
- Omnidirectional reading
- Advanced motion tolerance optics: 60 frames per second
- Image Capture
- Reads 1D, 2D and Postal codes plus stacked and composite codes like PDF417 and GS1 DataBar™
- Multi-interface options: RS-232 / IBM 46XX / USB or RS-232 / USB / Keyboard Wedge / Wand
- Datalogic's patented 'Green Spot' for good-read feedback plus the 4-dot Aimer
- Point-to-point and multi-point transmission
- Two-position cradle with Scan-While-Charging capability
- Batch Mode capability: +1200 codes stored in memory
- User-replaceable, long lasting lithium-ion battery
- Drop resistance to 1.8 m / 5.9 ft
- USB Certified Kits Available
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Retail: Point of Sale; Age Verification; Reading of 2D Codes, Electronic Coupons or Mobile Phones, Warehouse
- Light Manufacturing
- Access Control, Transportation and Entertainment
- Commercial Services: Postal, Banks, Public Administration, Utilities, Document Handling

GRYPHON™ I GBT4400 2D

DATALOGIC

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

BLUETOOTH WIRELESS TECHNOLOGY	Piconet: Max. Readers per Radio Receiver: 7 (when using an external Piconet dongle); Profiles: SPP (Serial Port Profile) Protocol: Bluetooth 2.0 Certified Class 2; Radio Frequency: 2.4 GHz Radio Range (Open Air): 30.0 m / 98.4 ft; Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results. Security: Data Encryption; Scanner Authentication

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D CODES	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; 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

BATTERY	Battery Type: Lithium-Ion, 2100 mAh; Charge Time: External Power: 4 Hours @ 12 VDC; Reads per Charge: 50,000
CRADLE INDICATOR LEDS	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
CURRENT	Charging (Typical): < 8 W; Operating (Typical): < 2.5 W @ 5 VDC; Standby/Idle (Typical): < 2.5 mA @ 5 VDC
INPUT VOLTAGE	4.5 - 14.0 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	IP52
TEMPERATURE	Operating: 0 to 50 °C / 32 to 122 °F; Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

INTERFACES	RS-232 / IBM 46XX / USB Multi-Interface; RS-232 / USB / Keyboard Wedge / Wand Multi-Interface

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Black; White
DIMENSIONS	Cradle: 18.6 x 9.9 x 5.6 cm / 7.25 x 3.9 x 2.2 in Reader: 18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in
WEIGHT	Cradle: 246 g / 8.68 oz; Reader: 245 g / 8.64 oz

READING PERFORMANCE

IMAGE CAPTURE	Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
IMAGER SENSOR	Wide VGA: 752 x 480 pixels
LIGHT SOURCE	Aiming: 650 nm VLD
MOTION TOLERANCE	25 IPS
PRINT CONTRAST RATIO (MINIMUM)	25%
READING ANGLE	Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°
READING INDICATORS	Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
RESOLUTION (MAXIMUM)	

High Density (HD)	Standard Range (SR)
1D Linear: 0.077 mm / 3 mils	1D Linear: 0.102 mm / 4 mils
Data Matrix: 0.127 mm / 5 mils	Data Matrix: 0.178 mm / 7 mils
PDF417: 0.102 mm / 4 mils	PDF417: 0.127 mm / 5 mils

READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

High Density (HD)	Standard Range (SR)
Code 39: 3 mils: 2.4 to 9.1 cm / 0.9 to 3.6 in	Code 39: 5 mils: 4.0 to 19.0 cm / 1.6 to 7.5 in
Code 39: 5 mils: 0.8 to 11.3 cm / 0.3 to 4.5 in	Code 39: 10 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in
Data Matrix: 5 mils: 2.8 to 6.1 cm / 1.1 to 2.4 in	Data Matrix: 10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 in
EAN-13: 13 mils: 1.1 to 17.2 cm / 0.4 to 6.8 in	Data Matrix: 15 mils: 0 to 23.6 cm /0 to 9.3 in
PDF417: 4 mils: 1.8 to 6.8 cm / 0.7 to 2.7 in	EAN-13: 13 mils: 1.5 to 40.0 cm / 0.6 to 15.7 in
PDF417: 10 mils: 0 to 14.3 cm / 0 to 5.6 in	PDF417: 10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in
QR Code: 6.7 mils: 2.1 to 4.2 cm / 0.8 to 1.7 in	QR Code: 3.0 to 12.5 cm / 1.2 to 4.9 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	Caution Laser Radiation - Do not stare into beam; IEC 60825 Class 2

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.
REMOTE HOST DOWNLOAD	Lowers service costs and improves operations: BC4010

WARRANTY

WARRANTY	3-Year Factory Warranty

ACCESSORIES

Base Stations/Chargers

- BC4010-BK-BT Base/Charger, POS Multi-Interface, Black
- BC4010-WH-BT Base/Charger, POS Multi-Interface, White
- BC4030-BK-BT Base/Charger, Standard Multi-Interface, Black
- BC4030-WH-BT Base/Charger, Standard Multi-Interface, White
- CHR-GM40-BK Charging Only Base Station, Black
- CHR-GM40-WH Charging Only Base Station, White

Batteries/Battery Chargers

- RBP-GM40 Removable Battery Pack

© 2010 - 2014 Datalogic ADC, 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 ADC, Inc. ▪ Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S. and the E.U. and the Datalogic Automatic Data Capture logo is a trademark of Datalogic S.p.A. ▪ Datalogic Aladdin is a trademark of Datalogic Scanning Group S.r.l. ▪ Gryphon and Motionix are trademarks of Datalogic ADC, Inc. ▪ The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Datalogic ADC, Inc. is under license. ▪ Certified USB: The USB-IF Logos are trademarks of Universal Serial Bus Implementers Forum, Inc. All other brand and product names are trademarks of their respective owners. ▪ DS-GRYPHONIGBT44002D-ENA4 Revision F 20140606