



## 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.



### 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

## 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 (RM45CC)  
**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)**

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

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

<b>High Density (HD)</b> Code 39: 3 mils: 2.4 to 9.1 cm / 0.9 to 3.6 in Code 39: 5 mils: 0.8 to 11.3 cm / 0.3 to 4.5 in Data Matrix: 5 mils: 2.8 to 6.1 cm / 1.1 to 2.4 in EAN-13: 13 mils: 1.1 to 17.2 cm / 0.4 to 6.8 in PDF417: 4 mils: 1.8 to 6.8 cm / 0.7 to 2.7 in PDF417: 10 mils: 0 to 14.3 cm / 0 to 5.6 in QR Code: 6.7 mils: 2.1 to 4.2 cm / 0.8 to 1.7 in	<b>Standard Range (SR)</b> Code 39: 5 mils: 4.0 to 19.0 cm / 1.6 to 7.5 in Code 39: 10 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in Data Matrix: 10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 in Data Matrix: 15 mils: 0 to 23.6 cm / 0 to 9.3 in EAN-13: 13 mils: 1.5 to 40.0 cm / 0.6 to 15.7 in PDF417: 10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in QR Code: 3.0 to 12.5 cm / 1.2 to 4.9 in
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## 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

### 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

