GRYPHON™ I GBT4400 2D

◆DATALOGIC™

General Purpose Handheld Area Imager Bar Code Reader with Bluetooth® Wireless Technology

With rich feature sets, the Gryphon™ product series from Datalogic Scanning 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.

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.

The scanner reads common codes including 1D, 2D and Postal codes plus stacked and composite codes like PDF417 and GS1 DataBar™. It also 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.

Fast, snappy, omnidirectional reading makes the Gryphon GBT4400 scanner ideal for use in signature capture and document scanning applications. High speed imaging and motion tolerance reads fast moving codes, allowing you to rapidly move from one code to the next.

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

www.scanning.datalogic.com

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; 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
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: 5.0 to 12.0 cm / 2.0 to 4.7 in
Code 39: 5 mils: 0.8 to 11.3 cm / 0.3 to 4.5 in	Code 39: 10 mils: 3.0 to 25.0 cm / 1.1 to 9.8 in
Data Matrix: 5 mils: 2.8 to 6.1 cm / 1.1 to 2.4 in	Data Matrix: 10 mils: 1.5 to 15.0 cm / 0.6 to 5.9 in
EAN-13: 13 mils: 1.1 to 17.2 cm / 4.3 to 6.8 in	Data Matrix: 15 mils: 4.0 to 23.5 cm / 1.6 to 9.3 in
PDF417: 4 mils: 1.8 to 6.8 cm / 0.7 to 2.7 in	EAN-13: 13 mils: 2.0 to 33.0 cm / 0.8 to 13.0 in
PDF417: 10 mils: 0 to 14.3 cm / 0 to 5.6 in	PDF417: 10 mils: 1.0 to 21.0 cm / 0.4 to 8.3 in
QR Code: 6.7 mils: 2.1 to 4.2 cm / 0.8 to 21.7 in	QR Code: 10 mils: 4.0 to 12.5 cm / 1.6 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
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 Charging Only Base Station

Batteries/Battery Chargers
- RBP-GM40 Removable Battery Pack

Mounts/Stands
- 11-0360 Multi-Purpose Stand/Mount, Black
- 11-0362 Multi-Purpose Stand/Mount, Grey
- 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

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