



## IMAGING TECHNOLOGY

The Gryphon™ 4000 series represents the premium level of data collection devices from Datalogic ADC for general purpose applications. Designed with people in mind, the Gryphon™ I GD4400 imager blends advanced 2D reading with motion sensing technology, producing a user-friendly device with outstanding performance.

## MODERN FEATURES FOR TODAY'S POS

Perfect for both handheld and presentation reading, the Gryphon I GD4400 imager features Datalogic's Motionix™ motion-sensing technology which detects the natural actions of the operator to automatically switch the scanner into the desired scanning mode. This technology works with or without the use of a stand, offering more operational choices. Both the aimer and sensor can be programmed to the user's desired preferences.

User comfort is maximized with the Gryphon I GD4400 imager's steady, deep red illumination light. Easier on the eyes than competitive products with flicker illumination, the highly visible 4-Dot aimer defines a precise reading zone and reduces accidental reads. The aimer's center cross provides a locator for targeted scanning in a multiple bar code environment.

## SIMPLE TO USE AND DEPLOY

The Gryphon I GD4400 imager provides snappy reading performance on all common 1D and 2D codes as well as postal, stacked and composite codes like PDF417. High Density (HD) models are also available for reading smaller, condensed codes. For mobile marketing or ticketing applications, this imager also offers excellent performance when reading bar codes from mobile devices.

The Gryphon I GD4400 2D omnidirectional reader eliminates the need for separate equipment with signature capture and document scanning capabilities. Its enhanced optics offer improved motion tolerance and high speed imaging to read fast moving codes.



### FEATURES

- Motionix™ motion-sensing technology for seamless reading mode transitions
- Highly visible 4-Dot aimer with center cross for targeted scanning
- Omnidirectional reading
- Advanced motion tolerance optics
- Image capture and document scanning capabilities
- Reads 1D, 2D and postal codes plus stacked and composite codes
- Multi-interface options: RS-232 / IBM 46XX / USB or RS-232 / USB / Keyboard Wedge / Wand
- Datalogic's patented 'Green Spot' for good-read feedback
- 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
- Light Manufacturing
- Access Control, Transportation and Entertainment
- Commercial Services: Postal, Banks, Public Administration, Utilities

## 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; Micro QR Code; QR Code   |
| POSTAL CODES      | Australian Post; British 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): GD4410: < 170 mA @ 5 VDC; GD4430 < 160 mA @ 5 VDC<br>Standby/Idle (Typical): 65 mA @ 5 VDC |
| INPUT VOLTAGE | GD4410: 4.0 - 14.0 VDC; GD4430: 4.2 - 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)      | 5 - 95%  |
| PARTICULATE AND WATER SEALING  | IP52   |
| TEMPERATURE                    | Operating: 0 to 50 °C / 32 to 122 °F<br>Storage/Transport: -20 to 70 °C / -4 to 158 °F |

## INTERFACES

|            |   |
|------------|---|
| INTERFACES | GD4410: RS-232 / IBM 46XX / USB Multi-Interface<br>GD4430: RS-232 / USB / Keyboard Wedge / Wand Multi-Interface |
|------------|---|

## PHYSICAL CHARACTERISTICS

|                  |   |
|------------------|---|
| COLORS AVAILABLE | Black; White                              |
| DIMENSIONS       | 18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in |
| WEIGHT           | 195.0 g / 6.9 oz                          |

## READING PERFORMANCE

|                                |  |
|--------------------------------|--|
| IMAGE CAPTURE                  | Graphic Formats: BMP, JPEG, TIFF;<br>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): 180°; Skew (Yaw): +/- 40°   |
| READING INDICATORS             | Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED   |
| RESOLUTION (MAXIMUM)           | High Density (HD): 1D Linear: 0.077 mm / 3 mils;<br>Data Matrix: 0.127 mm / 5 mils;<br>PDF417: 0.102 mm / 4 mils<br>Standard Range (SR): 1D Linear: 0.102 mm / 4 mils;<br>Data Matrix: 0.178 mm / 7 mils;<br>PDF417: 0.102 mm / 4 mils |

## READING RANGES

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

### GD4400 Standard Range (SR)

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: 10 mils: 3.0 to 12.5 cm / 1.2 to 4.9 in

### GD4400 High Density (HD)

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

## 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.<br>OPOS Utilities are available for download at no charge. |
| REMOTE HOST DOWNLOAD | Lowers service costs and improves operations: GD4410  |

## WARRANTY

|          |                         |
|----------|-------------------------|
| WARRANTY | 5-Year Factory Warranty |
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### Mounts/Stands

- 11-0360 Holder, Multi-Purpose, Black
- 11-0362 Holder, Multi-Purpose, 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

