GRYPHON™ I GD4400 2D

DATALOGIC



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.

GREEN SPOT · 4-DOT AIMER · DATALOGIC aladdin · GS1 · DATALOGIC 5 YEAR WARRANTY

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

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TECHNICAL SPECIFICATIONS

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 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 Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

INTERFACES	GD4410: RS-232 / IBM 46XX / USB Multi-Interface 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; 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; Data Matrix: 0.127 mm / 5 mils; PDF417: 0.102 mm / 4 mils Standard Range (SR): 1D Linear: 0.102 mm / 4 mils; Data Matrix: 0.178 mm / 7 mils; PDF417: 0.102 mm / 4 mils

READING RANGES

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

GD4400 Standard Range (SR)	GD4400 High Density (HD)
Code 39: 5 mils: 4.0 to 19.0 cm / 1.6 to 7.5 in	Code 39: 3 mils: 2.4 to 9.1 cm / 0.9 to 3.6 in
Code 39: 10 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in	Code 39: 5 mils: 0.8 to 11.3 cm / 0.3 to 4.5 in
Data Matrix: 10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 in	Data Matrix: 5 mils: 2.8 to 6.1 cm / 1.1 to 2.4 in
Data Matrix: 15 mils: 0 to 23.6 cm /0 to 9.3 in	EAN-13: 13 mils: 1.1 to 17.2 cm / 0.4 to 6.8 in
EAN-13: 13 mils: 1.5 to 40.0 cm / 0.6 to 15.7 in	PDF417: 4 mils: 1.8 to 6.8 cm / 0.7 to 2.7 in
PDF417: 10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in	PDF417: 10 mils: 0 to 14.3 cm / 0 to 5.6 in
QR Code: 10 mils: 3.0 to 12.5 cm / 1.2 to 4.9 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. 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

ACCESSORIES

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



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