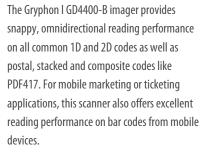## GENERAL PURPOSE CORDED AREA IMAGER BAR CODE READER

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-B All-in-One imager blends advanced 2D decoding with motion sensing technology, producing a user-friendly device with outstanding performance.

Featuring Datalogic's Motionix™ motion-sensing technology, the Gryphon I GD4400-B imager senses the actions of the operator to automatically switch the device into handheld or presentation mode scanning. When picked up or set down, Motionix technology transitions the device seamlessly, eliminating the need to scan a label or rely on a mechanical switch.

As an All-in-One device, the Gryphon I GD4400-B scanner's permanent tilting stand is joined with an ergonomic handheld reader for handheld and presentation reading. The All-in-One imager adjusts to any angle to fit individual scanning preferences. The cable connection is positioned well above the counter to avoid damage caused by spills.

User comfort is maximized with the Gryphon I GD4400-B 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.

The Gryphon I GD4400-B imager provides snappy, omnidirectional reading performance on all common 1D and 2D codes as well as postal, stacked and composite codes like PDF417. For mobile marketing or ticketing applications, this scanner also offers excellent reading performance on bar codes from mobile devices.

With enhanced optics, the Gryphon I GD4400-B imager boasts improved motion tolerance and high speed imaging to read fast moving codes. This reader also eliminates the need for separate equipment for signature capture and document scanning applications.

FEATURES

- Motionix™ motion-sensing technology for seamless reading mode transitions
- Highly visible 4-Dot aimer with center cross for targeted scanning
- Permanent tilting stand for handheld or presentation omnidirectional reading
- Tilt Angle: + 30º / - 15º
- 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

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-B: < 170 mA @ 5 VDC GD4430-B: < 160 mA @ 5 VDC
STANDBY/IDLE (TYPICAL)	65 mA @ 5 VDC
INPUT VOLTAGE	GD4410-B: 4.0 - 14.0 VDC; GD4430-B: 4.2 - 5.25 VDC

ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Withstands repeated drops from 1.5 m / 5.0 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-B: RS-232 / IBM 46XX / USB Multi-Interface GD4430-B: RS-232 / USB / Keyboard Wedge / Wand Multi-Interface

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Black; White
DIMENSIONS	19.2 x 8.9 x 11.9 cm / 7.5 x 3.5 x 4.7 in
WEIGHT	368.5 g / 13.0 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)	1D Linear: 0.102 mm / 4.0 mils; Data Matrix: 0.178 mm / 7.0 mils; PDF417: 0.127 mm / 5.0 mils

READING RANGES

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

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

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