GRYPHON™ I GM4400 2D

DATALOGIC

IMAGING TECHNOLOGY

With rich feature sets, the Gryphon™ series from Datalogic ADC represents the premium level of data collection equipment for general purpose applications. The Gryphon™ GM4400 2D scanner blends the most advanced reading technology and the best suitable radio technology with a unique set of features to allow operators maximum efficiency and ease of use.

CORDLESS COMMUNICATIONS

Featuring narrow band radio communications with Datalogic's STAR Cordless System, the Gryphon GM4400 reader provides increased productivity and flexibility in the workplace. The GM4400 reader series offers scalable solutions from simple point-to-point applications to point-to-multipoint installations with up to 16 readers connected to the same base station. The GM4400 readers 'Batch Mode' capability allows thousands of codes to be stored in its' memory. This feature, combined with a long-lasting 60,000 scans-per-charge Lithium-Ion battery allows uninterrupted scanning with unlimited mobility.

MODERN FEATURES

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. The highly visible 4-Dot aimer clearly defines the reading zone and the center cross provides a locator for targeting when scanning a sheet or product with multiple bar codes.

The Gryphon GM4400 2D reader is designed with Datalogic's Motionix™ motion-sensing technology, which enables the scanner to intuitively switch into handheld mode, activating the illumination and aiming systems when the device is picked up.



FEATURES

- Datalogic STAR Cordless System™ with up to 30 m / 98 ft range
- Radio frequencies available in 433 MHz or 910 MHz
- Point-to-point and multi-point transmission
- Omnidirectional reading
- Advanced motion tolerance optics: 60 frames per second
- Reads 1D, 2D and postal codes plus stacked and composite codes like PDF417 and GS1 DataBar™
- Datalogic's Motionix™ motion-sensing technology for seamless reading mode transitions
- Datalogic's patented 'Green Spot' for good-read feedback plus the 4-dot Aimer
- Two-position cradle with Scan-While-Charging capability
- Batch Mode capability: +1200 codes stored in memory
- User-replaceable, long lasting Lithium-Ion battery with up to 60,000 scans per charge
- Drop resistance to 1.8 m / 5.9 ft
- Optional Counterfeit Detection
- 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

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TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

DATALOGIC STAR CORDLESS SYSTEM™	Effective Radiated Power: 433.92 MHz: < 10 mW; 910 MHz: < 1 mW Multi-Point Configuration: Max. Readers per Radio Receiver: 16 Point-to-Point Configuration; Radio Frequency: 433.92 MHz; 910 MHz; Two Way Communications

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 @ 12 VDC; Reads per Charge: 60,000
CRADLE INDICATOR LEDS	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
CURRENT	Charging (Typical): < 8 W; Standby/Idle (Typical): < 2.5 mA @ 5 VDC
INPUT VOLTAGE	4.75 - 14 VDC +/- 5%

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 - 90%
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: 246.0 g / 8.7 oz; Reader: 245.0 g / 8.6 oz

READING PERFORMANCE

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 and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
RESOLUTION (MAXIMUM)	1D Linear: 0.102 mm / 4 mils; Data Matrix: 0.178 mm / 7 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. 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	BC4010: Lowers service costs and improves operations

WARRANTY

WARRANTY	3-Year Factory Warranty

ACCESSORIES

Base Stations/Chargers

- BC4010-BK-433 / BC4011-BK-910: Base/Charger, 433/910 MHz, POS Multi-Interface, Black
- BC4010-BK-433-CF: Base/Charger, 433 MHz, POS Multi-Interface, Counterfeit Detection, Black
- BC4010-WH-433 / BC4011-WH-910: Base/Charger, 433/910 MHz, POS Multi-Interface, White
- BC4030-BK-433 / BC4031-BK-910: Base/Charger, 433/910 MHz, STD Multi-Interface, Black
- BC4030-WH-433 / BC4031-WH-910: Base/Charger, 433/910 MHz, STD 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



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