



## General Purpose Handheld Area Imager Bar Code Reader with Datalogic's STAR Cordless System™

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

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.

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.

The two-position base station provides the flexibility to use the scanner in presentation or stand mode while it is charging. The scanner reads common codes including 1D, 2D and postal codes plus stacked and composite codes like PDF417 and GS1 DataBar™. It also offers outstanding performance when reading bar codes from cell phones or mobile devices for mobile marketing or ticketing applications.



## 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

[www.scanning.datalogic.com](http://www.scanning.datalogic.com)



## 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  
POSTAL CODES

Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; QR Code  
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 LEADS

Battery Charging (Red); Charge Completed (Green); Power/Data  
(Yellow)

CURRENT  
INPUT VOLTAGE

Charging (Typical): < 8 W; Standby/Idle (Typical): < 2.5 mA @ 5 VDC  
4.75 - 14 VDC +/- 5%

### ENVIRONMENTAL

AMBIENT LIGHT  
DROP RESISTANCE  
ESD PROTECTION (AIR DISCHARGE)  
HUMIDITY (NON-CONDENSING)  
PARTICULATE AND WATER SEALING  
TEMPERATURE

0 - 100,000 lux  
Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface  
16 kV  
0 - 90%  
IP52  
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  
DIMENSIONS

Black; White  
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  
Cradle: 246.0 g / 8.7 oz; Reader: 245.0 g / 8.6 oz

WEIGHT

### READING PERFORMANCE

IMAGER SENSOR  
LIGHT SOURCE  
MOTION TOLERANCE  
PRINT CONTRAST RATIO (MINIMUM)  
READING ANGLE  
READING INDICATORS

Wide VGA: 752 x 480 pixels  
Aiming: 650 nm VLD  
25 IPS  
25%  
Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°  
Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good  
Read Feedback; Good Read LED  
1D Linear: 0.102 mm / 4 mils; Data Matrix: 0.178 mm / 7 mils  
PDF417: 0.127 mm / 5 mils

RESOLUTION (MAXIMUM)

### 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  
LASER CLASSIFICATION

Complies to China RoHS; Complies to EU RoHS  
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.

REMOTE HOST DOWNLOAD

OPOS Utilities are available for download at no charge.  
BC4010: Lowers service costs and improves operations

### WARRANTY

3-Year Factory Warranty

## Accessories



### Base Stations/Chargers

- BC4010-BK Base/Charger POS Multi-Interface, Black
- BC4010-BK-433-CF / BC4010-BK-910-CF Base/Charger, 433/910 Mhz, Multi-Interface/ IBM Interface, Counterfeit Detection, Black
- BC4010-WH Base/Charger POS Multi-Interface, White
- BC4030-BK Base/Charger STD Multi-Interface, Black
- BC4030-WH Base/Charger 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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