GRYPHON™ 4200 SERIES

◆ DATALOGIC

Premium handheld imagers for corded or cordless value added applications using 1D barcodes

ENHANCED LINEAR IMAGING TECHNOLOGY

The Gryphon 4200 series represents the premium range of handheld scanners from Datalogic for value added applications.

The Gryphon 4200 linear imagers stand out with unchallenged ergonomics and outstanding reading performance. The Gryphon 4200 readers' ability to capture bar codes from near to far, to read both high-density and low resolution codes, to decode hard-to-read, poorly printed or damaged codes and to easily read bar codes from mobile devices make these imagers the perfect choice for today's applications.

EASY TO USE FOR MAXIMUM EFFICIENCY

The Gryphon 4200 scanners utilize Datalogic's Motionix™ technology to automatically switch into the 'ready-to-read' scanning mode and to activate the distinctive 'soft line viewfinder' which helps the operator to easily target the code to be read.

The Datalogic's 'Green Spot' for good-read feedback directly on the code is ideal under dim lighting conditions or noisy environments.

READY TO BE REGULARLY CLEANED AND DISINFECTED

Most working environments now have requirements that scanners need to be regularly cleaned and disinfected. The Gryphon 4200 series utilizes Disinfectant-Ready enclosures, designed to withstand regular daily cleaning with harsh disinfectant solutions commonly used in a healthcare environment.

WIRELESS COMMUNICATIONS AND WIRELESS CHARGING

Featuring Bluetooth® wireless technology (GBT models) or narrow band radio communications with Datalogic's STAR Cordless System™ (GM models), the Gryphon 4200 wireless imagers provide maximum flexibility to solve any end user application with the best technical solution.

One of the most important technical innovations that the Gryphon 4200 wireless scanners achieve is the battery recharge through an inductive charging system, lowering the total cost of ownership because it eliminates the need for contacts' cleaning and maintenance procedures. The maximum reliability offered by the wireless charging technology means 24/7 activities with no stops for maintenance or repair and top-level operating productivity and performance.

WIRELESS CHARGING
CONTACTLESS, QUICK, CAREFREE

FEATURES

- Enhanced linear imaging technology for superior scanning and Depth of Field
- Reads 1D high-density and low-resolution codes, hard-to-read, poor or damaged codes and bar codes from mobile devices
- Datalogic's distinctive 'soft line viewfinder' to easily target the barcode to be read
- Datalogic's 'Green Spot' technology and 3GL™ (3 Green Lights) for superior good-read feedback
- Motionix motion-sensing technology for seamless reading mode transitions
- Choice of Bluetooth wireless technology or Datalogic's STAR Cordless System (radio frequencies available in 433 MHz or 910 MHz)
- Wireless battery charging system
- Choice of WLC4190 sleek desk/wall cradle with USB Type C connectivity or WLC4090 adjustable position cradle with Scan-While-Charging capability
- Long lasting replaceable Lithium-Ion battery
- Multi-interface options: USB type C / USB only or multi-interface USB type C / USB / RS-232 / Keyboard Wedge multi-interface
- Disinfectant-Ready enclosures withstand daily cleaning with harsh disinfectant solutions
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRIES - APPLICATIONS

Retail:
- Point of Sale

Commercial Services:
- Post offices
- Bank offices
- Public Administration
- Utilities

Light Manufacturing:
- Work-in-Progress
- Order Processing

Healthcare:
- Laboratories
- Pharmacies

Access Control:
- Ticketing and Entertainment

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

Gryphon GBT4200	**Bluetooth Wireless Technology**: Piconet: Max. 7 readers per radio receiver (cradle and commercial dongle); Profiles: HID (Human Interface Device); SPP (Serial Port Profile); Protocol: Bluetooth 5.0 Certified Class 1, Class 2 and Class 3; Radio Frequency: 2.4 GHz Radio Range (Open Air): 100.0 m / 328.0 ft; Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results. Security: Data Encryption; Scanner Authentication
Gryphon GM4200	**Datalogic STAR Cordless System**: Effective Radiated Power: 433.92 MHz: < 6.3 mW; 910 MHz: < 50 mW; Multi-Point Configuration: Max. Readers per Radio Receiver: 16; Point-to-Point Configuration; Radio Frequency: 433.92 MHz; 910 MHz; Two Way Communications Radio Range (Open Air): 50.0 m / 164.0 ft

DECODING CAPABILITY

1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.

CORDLESS MODELS ELECTRICAL

Battery	Battery Type: Lithium-Ion: 2550 mAh Charge Time: External Power: 4 Hours @ 12 VDC; Reads per Charge: 80,000
Cradle Indicator LEDs	Battery Charging (flashing orange); Charge Completed (steady green)
Current	Charging (with WLC4190): < 1200 mA (Maximum); Scanner only: Max 750 mA (from battery) Cradle only: (WLC4190): 80 mA @ 5 V (Operative)
Input Voltage (Cradle)	4.5 - 14 VDC +/- 5% (WLC4190 / WLC4090)

CORDED MODELS ELECTRICAL

Current	Operating (Typical): <350 mA @ 5V; <150 mA @ 12V Standby / Idle (Typical): <60 mA @ 5V; <30 mA @ 12V
Input Voltage	GD4220: 5 VDC +/- 5%; GD4290: 4.5 - 14.0 VDC

ENVIRONMENTAL

Ambient Light	0 - 130,000 lux
Drop Resistance	Withstands repeated drops from 1.8 m / 6.0 ft onto a concrete surface.
ESD Protection (Air Discharge)	16 kV
Humidity (Non-Condensing)	0 - 95%
Particulate and Water Sealing	IP52
Temperature	Operating: 0 to 50 ºC / 32 to 122 ºF Storage: -20 to 70 ºC / -4 to 158 ºF

INTERFACES

Interfaces	**CORDLESS MODELS:** WLC4190: USB Type C / USB / RS-232 / Keyboard Wedge Multi-Interface WLC4090: USB / RS-232 / Keyboard Wedge Multi-Interface **CORDED MODELS:** GD4220: USB type C / USB only GD4290: USB type C / USB / RS-232 / Keyboard Wedge Multi- Interface

PHYSICAL CHARACTERISTICS

Colors Available	Black, White
Dimensions	16.6 x 6.8 x 10.9 cm / 6.5 x 2.7 x 4.3 in (corded/cordless models)
Weight	163.0 g / 5.75 oz (corded models) 235 g / 8.29 oz (cordless models, battery included)

READING PERFORMANCE

Imager Sensor	CCD Solid-State
Light Source	Illumination: Dual LED Array 612 - 630 nm
Read Rate (Maximum)	1,000,000 pixels/sec (400 reads/sec)
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 65°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 65°
Reading Indicators	Beeper (adjustable tone); Datalogic Three Green Lights (3GL) Good Read Feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
Resolution (Maximum)	0.077 mm / 3 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: 5.0 to 37 cm / 2.0 to 14.6 in Code 39: 7.5 mils: 5.0 to 54 cm / 2.0 to 21.3 in Code 39: 10 mils: 5.0 to 73.5 cm / 2.0 to 28.9 in Code 39: 20 mils: 2.5 to 147 cm / 1 to 57.9 in EAN/UPC: 13 mils: 3.5 to 90 cm / 1.4 to 35.4 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
LED Classification	Exempt group according to IEC 62471

UTILITIES

Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	JavaPOS and OPOS Utilities are available for download at no charge.
Remote Host Download	Lowers service costs and improves operations

WARRANTY

Warranty	5-Year Factory Warranty (corded models) 3-Year Factory Warranty (cordless models)

ACCESSORIES

Base Stations/Chargers

WLC4190

WLC4090

Mounts / Stands

11-036X

HLD-G041

STD-G041