

Product: Gryphon I

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Gryphon™ I

New General Purpose Linear Bar Code Imager. Versatile, Top Performing and Unique!

Versatile, easy to install, powerful and ergonomic, reliable and durable for its entire life, the Gryphon I reader is designed with the purpose of satisfying the most demanding customer requirements of any application using general purpose linear scanners.

Leveraging on the successful Gryphon D and QuickScan® QS6500, the Gryphon I combines the experience of hundreds of customers to obtain an ideal mix of performance and features in a single product.

Both the Gryphon D and the QuickScan QS6500 have been major players in the AIDC market, providing a full range of options with top quality products. With approximately one million units in the field, the Gryphon I will inherit a legacy to further enhance the Datalogic Scanning product offerings in the market. The Gryphon D / QuickScan QS6500 installed base represents an opportunity to replicate a similar success with the new Gryphon I by migrating these current customers to a replacement or addition to their existing installations.

Completely reengineered in the design of the optics and electronics, the Gryphon I is a small and lightweight product which features the most powerful and fast readers coupled with outstanding durability and reliability.

This reading capability provided in the new Gryphon I allows customers to read bar codes from contact to well beyond 1.0 m / 3.2 ft in distance. The Gryphon I also has the ability to scan wide codes as well as codes with a resolution below 3 mils, all with a single high performance product.

With its innovative and unique Datalogic Scanning optical design, the Gryphon I reader provides a long depth-of-field together with a wide field-of-view and the ability to read the highest resolution codes in the market.



Listed below is a summary of the reading performance for the Gryphon I.

Reading Speed:

- Up to 325 scans/sec

Max Resolution:

- Codes with minimum dimension of 3 mils

Reading Distance:

- 13 mil: 3.0 to 60.0 cm / 1.2 to 23.6 in
- 20 mil: 3.0 to 80.0 cm / 1.2 to 31.5 in
- 40 mil: Up to 140.0 cm / Up to 55.0 in

Reading Width:

- 13 mil: 31.8 cm / 12.5 in from nose, 25.0 cm / 10.0 in wide

The Gryphon I reader includes a new sensor, microprocessor and optimized software which allows unmatched snappiness and the ability to easily read poorly printed or damaged bar codes.

The Gryphon I reader is also equipped with unique and patented features providing true differentiation from competitive products allowing you to compete on performance, not just price.

The versatility that the Gryphon I reader provides all of the features that are important when purchasing a general purpose reader:

- For end users, appropriate size, light weight, ergonomic design, broad distance reading and snappiness performance make the job easier and less tiring
- For IT managers, ease of installation, limited training requirements and high throughput mean lower support cost
- For decision makers, productivity, efficiency, cost reduction, a long warranty combine to provide the lowest cost of ownership and a true economic benefit

Features and Benefits

Reading Performance Aimed at Target Applications

The new decoding library of the Gryphon I reader includes the most popular linear bar code families as well as linear GS1 DataBar™ codes. As already anticipated, we have highlighted some of the key features specifically for each target application. Retail environments require a high throughput scanner. Snappiness, combined with a broad reading range and the ability to read poorly printed bar codes is a real advantage.

The Gryphon I reader is very effective and fast reading on damaged or poorly printed bar codes. However, on a bar code in good condition, it reads more than 90% of labels in less than 40 msec, faster than all other competitors. On EAN/UPC 13 mil bar codes, the Gryphon I reads from near zero to over 60.0 cm / 23.6 in at extreme skew angles with no degradation of reading speed.

Office automation requires resistance against repeated shocks along with the requirement to read wide codes especially in banking, utilities or postal applications. The Gryphon I reader resists multiple drops from 1.8 m / 5.9 ft but the practical result is that the product can withstand repeated shocks from shorter distances. Thanks to the renewed optics providing a scan angle of 42°, the Gryphon I can now read wide codes from a significant distance (25 cm label from a 30.0 cm / 11.8 in distance).

In manufacturing environments for work-in-progress, machine configuration or quality control activities it's key to have a rugged device with good reading promptness. Also, in some manufacturing sectors such as electronics or communications its mandatory to read small high resolution codes. Gryphon I provides the capability to read below 3 mils code resolution and unmatched reliability and robustness thanks to a super protected enclosure made by over moulded rubber/plastic that resists multiple shocks and drops from 1.8 m / 5.9 ft.

Also for logistics applications, Gryphon I reader's reading distance, outstanding durability, and IP rating for protection from environmental contamination are key buying criteria. The Gryphon I has the longest reading performance of any general purpose reader, with the ability to read low resolution codes at over 80.0 cm / 31.5 in on 20 mil codes. And the IP42 rating ensures protection from dust and even light rain. In addition to the outstanding product performance, the Gryphon I provides the patented Green Spot, a key feature for any environment requiring additional feedback notification when the standard beeper and LED are not enough.

Multiple Interfaces with Enhanced IBM Interface Connectivity

The Gryphon I Plus comes with two different interface models:

- A multi-standard interface for general purpose applications including host connections for USB (COM and Wedge Emulation), RS-232, Keyboard Wedge and Wand Emulation
- A multi-interface targeted at the retail market including IBM 46XX, USB POS and RS-232

Unmatched 'Good Read' Feedback

The Gryphon I provides patented "Green Spot" good reading feedback that represents an unsurpassed feature that is well accepted by the market.

Datalogic Scanning Reliability and Durability at its Best

The Gryphon I reader offers a reliability package consisting of the following features:

- Over molded plastic/rubber enclosure to protect against unlimited shocks
- No moving parts or components for higher reliability
- Tested to withstand multiple 1.8 m / 5.9 ft drops to ensure no down time
- IP42 protection to help prevent contamination from dust and moisture:
 - Resistant to particulates larger than 1 mm
 - Resistant to water droplets such as light rain
- A 5 year warranty provides peace-of-mind in case of failures

Customers benefit with a lower total cost of ownership and as a consequence a higher value of the purchased product.

Free Software Configuration Program

The Datalogic Aladdin™ software configuration program is extremely flexible and intuitive and offers users the opportunity to manage the configuration of the Gryphon I reader and most other Datalogic Scanning handheld devices. Aladdin allows resellers to configure the Gryphon I to be consistent with current configurations on both Gryphon D and the QS6500 readers, making this change transparent to customers. It is simple and easy to migrate existing customers to the new product.

Always Up-to-date

Because of its FLASH memory, the firmware of the Gryphon I reader can be easily updated in the field. The firmware can be downloaded via a serial interface maintaining an 'up-to-date' device.

Features and Benefits Summary

Features	Benefits
Enhanced reading snappiness	Increased productivity and efficiency
Enhanced field-of-view	Cover applications using wide bar codes
Lightweight and ergonomically shaped	Reduces operator fatigue over extended working periods
Over 60.0 cm / 23.6 in reading distance on 100% EAN / UPC 13 mils	Long-range reading capability for any distance applications needs
Datalogic Scanning patented "Green Spot"	Improves user feedback while no other competitors have this similar feature
2 Multi interface models: - USB, RS-232, Keyboard Wedge and Wand or - IBM 46XX, USB and RS-232	2 models cover close to 100% of the applications For Partners: stock optimization
GS1 DataBar™ reading capability	Covers pending changes required for POS applications
1.8 m / 5.9 ft drop resistance	Features outstanding durability and reliability supporting a wider range of applications
IP42 Environmental protection	Provides uninterrupted functionality even in dusty and moist environments
'Solid State' Technology with no moving parts	Improved robustness, reducing the Total Cost of Ownership (TCO)
5 year warranty	Reduced Total Cost of Ownership (TCO)
Shares the same set of Datalogic General Purpose existing cables	Cables stock optimization
Aladdin™ software configuration program	Easy to use configurator which simplifies the reader's installation and maintenance

Target Markets and Applications

According to VDC, the linear imager market is expected to grow at a much higher pace than laser scanners. In terms of global unit volumes, linear imagers have already surpassed lasers although revenues continue to lag due to the lower price point for linear imagers. Today end users see little technical reason to buy laser scanners versus imagers. In fact, linear imagers offer advantages over lasers in important specifications like reading capability and durability.

Forecasted Global Shipments Of Handheld Bar Code Scanners Segmented By Product Type (Millions of Dollars)								
	Historical 2006	Base Year 2007	2008	2009	2010	2011	2012	CAGR 2007-2012
Laser Scanner	427,7	449,3	472,4	492,6	516,3	541,1	564,7	4,7%
2D Imager	118,9	133,8	154,4	180,7	214,0	254,6	304,1	17,8%
Pen/Wand Scanner	15,8	14,0	13,5	12,4	11,4	10,4	9,6	-7,3%
Total	809,2	861,5	927,0	992,6	1070,9	1159,1	1255,5	7,8%

Retail / In-store

The standard product is equipped with the best features needed for retail applications such as snappiness, reading distance and width, high throughput, durability and good read feedback. In this application, the Gryphon I reader is absolutely the best in terms of performance. Wide interface capability, two-color choices and future optional EAS capability make the Gryphon an ideal supplementary reader for use with Magellan scanners to read large or bulky items. An auto sensing stand provides flexibility for customers when using Gryphon in smaller stores. For noisy environments, the patented Green Spot provides a unique and reliable reading feedback to the customer.

Winning Points

- Reading snappiness
- Damaged label reading capability
- Instinctive and long range reading
- Reliability - No down time
- Good reading feedback
- Small dimensions and lightweight
- Innovative design and ergonomics

Office

The Gryphon I reader is the right choice for office environments for two main reasons:

- Robustness: As a linear imager, the Gryphon I has no moving parts providing higher reliability versus laser products. Also, the Gryphon design has been optimized to provide product protection in any position the product might fall. The Gryphon I has been tested to resist multiple 1.8 m / 5.9 ft drops to concrete and repeated drops from lower distances.
- Reading performance: Superior reading width among linear imagers comparable to the best laser products in the market provide easy scanning of wide bar codes that are common in banking, insurance or utility bill applications

Winning Points

- Durability against repeated shocks
- Wide code reading capability
- Reading snappiness
- Good reading feedback
- Damaged labels reading capability

Government

The government segment is still rapidly growing for bar code readers. This is directly linked to the need for savings and efficiency of public administration and related agencies. The primary application is document handling for office automation where 100% accuracy of the captured data with no possibility of manual data entry errors provides a strong incentive to adopt scanning.

Winning Points

- Durability against repeated shocks
- Wide code reading capability
- Reading snappiness
- Good reading feedback

Manufacturing

Work-in-progress in light industrial environments such as electronics or textiles is an application where the Gryphon I reader is perfectly suited. In these applications there is a need to read high resolution codes with high throughput coupled with the need for outstanding reliability and durability. The legacy Gryphon product has already enjoyed success in these kinds of applications, especially in many important manufacturing companies in the Far East. The Datalogic patented good-read Green Spot makes the Gryphon I perfectly suited for noisy environments in most manufacturing plants worldwide.

Winning Points

- High resolution code reading
- Durability, reliability and IP protection
- Good reading feedback

Health Care

Despite the growing need for 2D reading products, there is still a large portion of the Health Care segment that is well served by linear scanners. The outstanding performance and versatility of the new Gryphon I can fulfill many customer needs within hospitals, pharmaceutical labs and doctor's consultancy centers for patient tracking, document handling, inventory management.

Winning Points

- Instinctive and long range reading
- Small dimensions and lightweight
- Reliability - No down-time
- Innovative design and ergonomics
- Good reading feedback

Transportation & Logistics

Transportation and logistics applications typically require an industrial type product. However, the Gryphon I reader can be suitable for some light environments where its drop resistance and IP rating are adequate and when the required reading distance is limited to less than 1.0 m / 3.28 ft. The Gryphon I reader can also be very effective in logistics and postal environments where high throughput is key for optimum efficiency in handling huge numbers of parcels and letters. Shipping and receiving, order processing and parcel preparation are also suitable activities. The Gryphon I offers a solution for customers who want a single type of device for both back store activity and POS checkout in small to medium stores.

Winning Points

- Long reading distance
- Durability and reliability
- Good reading feedback
- IP protection

Product Positioning

The Datalogic Scanning general purpose product portfolio provides customers with multiple options to best meet the wide variety of market applications. The competitors can also be challenged by leading with either price or performance based on their specific needs. The Value Line proposition offers "entry level" products to face competitors primarily based on price to satisfy "price oriented" customers. The Premium Line proposition offers value-added products to better face competitors primarily based on performance/features and to satisfy these value-added oriented customers.

The Premium Line is represented by the Gryphon family while the Value Line is represented by the QuickScan® family. The Touch™ reader is the Datalogic Scanning contact reading offer while the Heron™ reader can be configured as a specialized line of product thanks to a unique shape and features that makes it the perfect solution for POS check-out. The Premium Line features better reading performance in terms of snappiness (325 scans/sec versus 270 scans/sec), depth of field and max resolution. Both lines offer a rating of IP42 supporting the same level of protection against dust and water. In terms of durability, the Premium Line supports a 1.8 m / 5.9 ft drop spec versus a 1.5 m / 4.9 ft for the Value Line. Both lines provide the same 'ease of use' characteristics including interface sets, Aladdin™ configuration software, Host Download capability and distinctive features like the patented Green Spot. The Value Line provides a smaller size and weight to better address certain applications and geographies.

DATALOGIC SCANNING CORDED GENERAL PURPOSE PRODUCTS OFFER



Product Availability

Part Number	Description	Available
GD4130-BK	GRYPHON D4130-BLACK, Corded,1D, Multi I/F	November 14, 2008
GD4130-WH	GRYPHON D4130-WHITE, Corded,1D, Multi I/F	November 14, 2008
GD4110-BK	GRYPHON D4110-BLACK, Corded,1D, IBM I/F	November 14, 2008
GD4110-WH	GRYPHON D4110-WHITE, Corded,1D, IBM I/F	November 14, 2008
GD4130-WHK1	GRYPHON D4130-WHITE,1D Multi I/F, USB KIT	December 12, 2008
GD4130-BKK1	GRYPHON D4130-BLACK,1D Multi I/F, USB KIT	December 12, 2008

Note:

The current Gryphon D130 linear imager models will soon be obsolete. Appropriate instructions on cross over will be provided with the obsolescence notice.

Listed below is a cross reference table for the new and replaced part numbers:

Model Number	Description	Cable	Cable Equivalent	GD41XX Equivalent Model Number
901651094	GRYPHON D130 -STD GREY RS-232, USB, WEDGE & WAND	N/A		GD4130-BK
901651092	GRYPHON D130 - LR GREY RS-232, USB, WEDGE & WAND	N/A		GD4130-BK
901651100	GRYPHON D130-STD BLACK	N/A		GD4130-BK
901651099	GRYPHON D130-STD WHITE RS-232, USB, WEDGE & WAND	N/A		GD4130-WH
901651098	GRYPHON D130-LR WHITE RS-232, USB, WEDGE & WAND	N/A		GD4130-WH
901651001	GRYPHON D110 RS-232 & IBM 46XX INTERFACE	N/A		GD4110-WH
QS65-1030000R	QS6500 Multi I/F, Gray 1D, KBW.	N/A		GD4130-WH
QS65-1040032-401R	QS6500 Multi I/F, Gray 1D, USB KB, Goose Stand, 12' USB Cable.	8-0734-08	90A051943	GD4130-WH, plus Stand and 3m USB Cable 90A051943
QS65-1030001-302R	QS6500 Multi I/F, Gray 1D, KBW, 12' PS2 cable.	8-0741-17	No equivalent length	GD4130-WH, plus 2m KBW Str Cable 90G001010
QS65-1010301-105R	QS6500 Multi I/F, Gray 1D, RS-232, EUR PS, 12' RS-232 Cable standard PC.	8-0736-80	No equivalent length	GD4130-WH, plus PS 90ACC1885, 9m RS Str Cable 90A051884
QS65-1040032-401	QS6500 Multi I/F, Gray 1D, USB KB, Goose Stand, 12' USB Cable.	8-0734-08	90A051943	GD4130-WH, plus Stand and 3m USB Cable 90A051943
QS65-1040001-401R	QS6500 Multi I/F, Gray 1D, USB KB, 12' USB Cable.	8-0734-08	90A051943	GD4130-WH, plus cable 90A051943
QS65-1050001-502R	QS6500 Multi I/F, Gray 1D, IBM 9B, 12' Port 9 Cable.	8-0739-04	90A052042	GD4110-WH, plus cable 90A052042
QS65-1010003-109R	QS6500 Multi I/F, Gray 1D, RS-232, 12' RS-232 cable to Mag. Aux port.	8-0737-11	90G001095	GD4130-WH, plus cable 90G001095
QS65-1030001-301R	QS6500 Multi I/F, Gray 1D, KBW, 12' PS2 cable.	8-0741-17	No equivalent length	GD4130-WH, plus 2m KBW and Str Cable 90G001010
QS65-1080046-109R	QS6500 Multi I/F, Gray 1D, RS-232, 12' RS-232 cable to Mag. Aux port.	8-0737-11	90G001095	GD4130-WH, plus cable 90G001095
QS65-3030000R	QS6500 Multi I/F, Black 1D, KBW.	N/A		GD4130-BK
QS65-3040042-401	QS6500 Multi I/F, Black 1D, USB KB, Goose Stand, 12' USB Cable.	8-0734-08	90A051943	GD4130-BK, plus Stand and 3m USB Cable 90A051943
QS65-3070001R	QS6500 Multi I/F, Black 1D, Wand Emulation	N/A		GD4130-BK
QS65-3050001-502R	QS6500 Multi I/F, Black 1D, IBM 9B, 12' Port 9 Cable.	8-0739-04	90A052042	GD4110-BK, plus cable 90A052042
QS65-3040042-401R	QS6500 Multi I/F, Black 1D, USB KB, Goose Stand, 12' USB Cable.	8-0734-08	90A051943	GD4130-BK, plus Stand and 3m USB Cable 90A051943
QS65-3050000R	QS6500 Multi I/F, Black 1D, IBM 9B.	N/A		GD4110-BK
QS65-3040001-401	QS6500 Multi I/F, Black 1D, USB KB, 12' USB Cable.	8-0734-08	90A051943	GD4130-BK, plus 3m USB Cable 90A051943
QS65-3030042-301R	QS6500 Multi I/F, Black 1D, KBW, Goose Stand, 12' KBW Cable	8-0741-17	No equivalent length.	GD4130-WH, plus Stand and 2m KBW Str Cable 90G001010
QS65-3040001-401R	QS6500 Multi I/F, Black 1D, USB KB, 12' USB Cable	8-0734-08	90A051943	GD4130-BK, plus 3m USB Cable 90A051943
QS65-3010000R	QS6500 Multi I/F, Black 1D, RS-232	N/A		GD4130-BK

Accessories

The Gryphon I reader shares the same power supply and the same set of cables (special cables included) as the Heron™ and Gryphon D with the lone exception being the IBM 46XX interface cable (CAB-370).

For the IBM interface, two new cables are currently available, CAB-445 (p/n 90A051977) and CAB-446 (p/n 90A051978). These cables are not backwards compatible with the legacy Datalogic Scanning IBM 46XX interface products, Heron/Gryphon D110 and Firescan™ D111. CAB-370 cannot be used for the Gryphon I. Listed below are the new Gryphon I accessories:

Part Number	Description	Available
STD-G040-BK	BASIC STAND G040 DARK	January 15, 2008
STD-G040-WH	BASIC STAND G040 WHITE	January 15, 2008
HLD-G040-BK	DESK/WALL HOLDER G040 BLACK	November 30, 2008
HLD-G040-WH	DESK/WALL HOLDER G040 WHITE	November 30, 2008
STD-AUTO-G040-BK	SMART STAND G040 BLACK	November 30, 2008
STD-AUTO-G040-WH	SMART STAND G040 WHITE	November 30, 2008

Cables

Listed below are the new Gryphon I supported cables:

		Type	Description	Details	Note	Order Code
General Purpose Cables	RS232	Straight	CAB-350 RS232 PWR STR. 9PIN FEM.	9 PIN Female, Powered	Power on pin 9	90A051230
			CAB-327 RS232 STR. 9PIN FEM.	9 PIN Female		90G001070
			CAB-328 RS232 STRAIGHT 25PIN FEM. DCE	25 PIN Female, DCE		90G001080
			CAB-320 RS232 STRAIGHT 25 PIN DTE	25 PIN Male, DTE		90G001000
			CAB-362 RS232 COILED 9PIN FEM.	9 PIN Female		90A051330
		Coiled	CAB-363 RS232 COILED 25PIN FEM. DCE	25 PIN Female, DCE		90A051340
			CAB-408 RS232 PWR COILED 9PIN FEM	9 PIN Female, Powered	Power on pin 9	90A051891
			CAB-364 RS232 COILED 25PIN MALE DTE	25 PIN Male, DTE		90A051350
		Straight	CAB-445 IBM46XX PORT 5B CABLE, Straight			90A051977
			CAB-446 IBM46XX PORT 9B CABLE, Straight			90A051978
		Coiled	CAB-446 SH4181 IBM46XX PORT 9B COILED 12'			90A052042
	Wedge	Straight	CAB-321 STD IBM PS/2 STR. MINIDIN WEDGE	IBM PS/2 MINIDIN		90G001010
			CAB-322 STD IBM AT/XT STR. DIN WEDGE	IBM AT/XT DIN		90G001020
			CAB-324 IBM VDT31XX,32XX,37XX	DIN 240' Connector		90G001040
			CAB-325 IBM VDT3151,34XX	8-Pin Telephone Connector		90G001050
			CAB-373 WYSE VDT 60/120/160/185/370 Straight	4-Pin Telephone Connector		90A051470
			CAB-375 DEC VDT VT200/220/240/300/320/340/420 Straight	4-Pin Telephone Connector		90A051490
		Coiled	CAB-365 IBM PS/2 COILED MINIDIN WEDGE	IBM PS/2 MINIDIN		90A051360
			CAB-391 IBM/PS2 Wedge Minidin Coiled Cable	IBM PS/2 MINIDIN	External Power	90A051740
			CAB-366 IBM AT/XT COILED DIN WEDGE	IBM AT/XT DIN		90A051370
	Wand	Straight	CAB-323 WAND EMUL. STR. 9PIN MALE	9 PIN Male		90G001030
		Coiled	CAB-348 WAND EMUL. COIL. 9PIN MALE	9 PIN Male		90A051210
	USB	Straight	CAB-413 USB IBM POS Mode	USB Type A		90A051903
			CAB-426 USB TYPE A	USB Type A		90A051945
		Coiled	CAB-424 USB TYPE A, 3 Meter	USB Type A		90A051943

Critical Dates

General Availability for the Gryphon I reader is November 14, 2008 and production units will be available to order at that time.

Marketing Communications Materials

Sales Tools will be available on the EASEOFACCESS Datalogic Extranet: <https://easeofaccess.scanning.datalogic.com>.

Warranty and Maintenance Contracts

Datalogic Scanning supports all the Gryphon D products with a standard **five** year parts and labor warranty. Contact your Datalogic Scanning representative for more information about Service Packages and Warranty Extension contracts.

For More Information

Please contact your local Datalogic Scanning office.