IMAGING TECHNOLOGY
The Gryphon™ 4500 series represents the premium range of hand held scanners from Datalogic for general purpose applications. Designed with people in mind, the Gryphon I GD4500 imager stands out with an elegant and trendy design, unchallenged ergonomics and features the most advanced Megapixel sensor with white-illumination 2D technology for outstanding performance.

TOP TECHNOLOGIES FOR TODAY’S POS
Perfect for both hand held and presentation reading, the Gryphon I GD4500 imager exploits Datalogic's Motionix™ motion-sensing technology which detects the natural actions of the operator to automatically switch the scanner into the desired scanning mode. This technology works with or without the use of a stand, offering more operational choices. Both the aimer and sensor can be programmed to the user’s desired preferences.

Datalogic distinctive reading technology with highly visible white-illumination is easier on the human eyes and reads colored labels better. The highly visible 4-Dot aimer defines a precise reading zone and reduces accidental reads, while the aimer’s center cross provides a locator for targeted scanning in a multiple bar code environment.

SIMPLE TO USE AND DEPLOY
The Gryphon I GD4500 omnidirectional imager provides snappy reading performance on all common 1D and 2D codes as well as postal, stacked and composite codes like PDF417. High Density (HD) models are also available for reading smaller, condensed codes. A dedicated version with red illumination optics reads Digital Watermarking. For mobile marketing or ticketing applications, this imager also offers excellent performance when reading bar codes from mobile devices.

The enhanced optics offer improved motion tolerance and high speed imaging to read fast moving codes.

FEATURES
- 1 MP optics for superior scanning and Depth of Field
- Datalogic distinctive technology with highly visible white-illumination and 4-Dot aimer with center cross for targeted scanning
- Datalogic’s patented ‘Green Spot’ technology and exclusive 3GL™ (3 Green Lights) for superior good-read feedback
- Motionix™ motion-sensing technology for seamless reading mode transitions
- Omnidirectional reading
- Advanced motion tolerance optics
- Image capture and document scanning capabilities
- Reads 1D, 2D and postal codes plus stacked and composite codes
- Digital Watermarking and DPM reading on specific models/applications
- Multi-interface options: USB-only or multi-interface RS-232 / USB / Keyboard Wedge
- EASEOF CARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS
- Retail – Point of Sale
- Light Manufacturing
- Healthcare: in laboratories, pharmacies and in-room patient care
- Access Control, Transportation and Entertainment
- Commercial Services: Postal, Banks, Public Administration, Utilities
**TECHNICAL SPECIFICATIONS**

**ACCESSORIES**

- 11-0360 Holder, Multi-Purpose, Black
- 11-0362 Holder, Multi-Purpose, Grey
- HLD-GO41-BK Desk/Wall Holder, GO41, Black
- HLD-GO41-WH Desk/Wall Holder, GO41, White
- STD-GO41-BK Basic Stand, GO41, Black
- STD-GO41-WH Basic Stand, GO41, White

**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; 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

**DIGITAL WATERMARKING**

Digimarc Barcodes

**ELECTRICAL**

CURRENT
Operating: <300 mA @ 5V; <200 mA @ 12V
Standby/Idle: < 90 mA @ 5V; <50 mA @ 12V

INPUT VOLTAGE
GD4520: 5 VDC
GD4900: 4.5 - 14.0 VDC

**ENVIRONMENTAL**

AMBIENT LIGHT
Drop Resistance: 0 - 100,000 lux
Suspects 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 °C / 32 to 122 °F
Storage/Transport: -40 to 70 °C / -40 to 158 °F

**INTERFACES**

INTERFACE
GD4520: USB only
GD4900: RS-232 / USB / 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

WEIGHT
161.0 g / 5.7 oz

**WEIGHT 161.0 g / 5.7 oz**

**DIMENSIONS 16.6 x 6.8 x 10.9 cm / 6.5 x 2.7 x 4.3 in**

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**PHYSICAL CHARACTERISTICS**

**WEIGHT 161.0 g / 5.7 oz**

**DIMENSIONS 16.6 x 6.8 x 10.9 cm / 6.5 x 2.7 x 4.3 in**

**COLORS AVAILABLE Black; White**

**READING PERFORMANCE**

IMAGE CAPTURE
Graphic Formats: BMP, JPEG, TIFF;
Greyscale: 256, 16, 2

IMAGER SENSOR
1 Megapixel: 1280 x 800 pixels

LIGHT SOURCE
Aiming: Red Laser 650 nm
Illumination: Warm White; Hyper Red LED for Digimarc

MOTION TOLERANCE
15%

PRINT CONTRAST RATIO (MINIMUM)
PWM/STG: +/- 65°; Roll (Tilt): 360°; Slew (Yaw): +/- 65°
Beeper (Adjustable Tone); Datalogic Three Green Lights (3GL) Good Read Feedback: Datalogic ‘Green Spot’ on the Code, Dual Good Read LEDs
High Density (HD): 1D Linear: 0.077 mm / 3 mils; PDF417: 0.077 mm / 3 mils
Data Matrix: 0.102 mm / 4 mils
Standard Range (SR): 1D Linear: 0.102 mm / 4 mils; PDF417: 0.127 mm / 5 mils
Data Matrix: 0.195 mm / 7.5 mils

READING ANGLE
Pitch: +/- 65°; Roll (Tilt): 360°; Slew (Yaw): +/- 65°

READING INDICATORS
Beeper (Adjustable Tone); Datalogic Three Green Lights (3GL) Good Read Feedback

RESOLUTION (MAXIMUM)
EAN-13: 13 mils: 1.0 to 71.0 cm / 0.4 to 27.9 in
EAN-13: 7.5 mils: 2.0 to 30.5 cm / 0.8 to 12.0 in
PDF417: 4 mils: 3.0 to 12.0 cm / 1.2 to 4.7 in
PDF417: 10 mils: 0.5 to 31.0 cm / 0.2 to 12.2 in
QR Code: 10 mils: 5.5 to 24.0 cm / 2.2 to 9.5 in

**READING RANGES**

Typical Depth of Field
Minimum distance determined by symbol length and scan angle.

Printing resolution, contrast, and ambient light dependent.

**GU500 Standard Range (SR)**
Code 39: 5.5 mils: 7.0 to 38.0 cm / 2.7 to 14.9 in
Code 39: 10 mils: 2.2 to 58.0 cm / 0.8 to 22.8 in
Data Matrix: 10 mils: 5.5 to 27.0 cm / 2.2 to 10.6 in
Data Matrix: 15 mils: 2.5 to 10.0 cm / 1.0 to 3.9 in
EAN-13: 13 mils: 1.0 to 71.0 cm / 0.4 to 27.9 in
PDF417: 10 mils: 2.5 to 41.0 cm / 1.0 to 16.1 in
QR Code: 10 mils: 9.5 to 24.0 cm / 3.8 to 9.5 in

**GU500 High Density (HD)**
Code 39: 3.5 mils: 5.0 to 15.0 cm / 2.0 to 5.9 in
Code 39: 5.5 mils: 0.5 to 25.0 cm / 0.2 to 9.8 in
Data Matrix: 5.5 mils: 5.5 to 20.0 cm / 2.2 to 7.9 in
Data Matrix: 8.0 mils: 2.5 to 7.0 cm / 1.0 to 2.8 in
EAN-13: 7.5 mils: 2.0 to 23.5 cm / 0.8 to 9.3 in
EAN-13: 13.0 mils: 1.0 to 40.0 cm / 0.4 to 15.7 in
PDF417: 4.0 mils: 3.8 to 12.0 cm / 1.5 to 4.7 in
PDF417: 10 mils: 0.5 to 31.0 cm / 0.2 to 12.2 in
QR Code: 10 mils: 2.0 to 25.0 cm / 0.8 to 9.8 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.
Complies to China RoHS; Complies to EU RoHS
Caution Laser Radiation - Do not stare into beam; IEC 60825 Class 2

ENVIROMENTAL COMPLIANCE
Laser Classification
Caution Laser Radiation - Do not stare into beam; IEC 60825 Class 2

ENVIRONMENTAL COMPLIANCE
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.
JavaPDS and OPOS Utilities are available for download at no charge.
Lowers service costs and improves operations

**WARRANTY**

WARRANTY
5-Year Factory Warranty

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