



**General Purpose Corded Handheld Area Imager Bar Code Reader for Electrostatic Discharge Control**

With rich feature sets and extensive model options, the Gryphon product series from Datalogic Scanning represents the premium level of data collection equipment for general purpose applications. The Gryphon D432 Plus ESD reader has been specially developed by Datalogic Scanning to satisfy the strict requirements for EPA (ESD Protected Area) use.

ESD is a phenomenon that occurs when an object has an imbalance in its electrical charge: a fast charge transfer between objects with differing electrostatic potential caused by contact or by the proximity of the two objects. Wherever electronic components are handled, installed or assembled, ESD poses a threat to product quality. With technological advances in electronics an increasing number of these components are susceptible to damage or destruction by increasingly lower voltage levels. ESD events can also compromise the measurements taken by very sensitive instruments, like those used in hospital and medical analysis laboratories.

The most advanced polymer and elastomeric

technologies are used for the ESD-safe Gryphon D432 Plus reader. The body of the product is composed of a slightly conductive plastic, rather than an insulating one, preventing the accumulation of tribocharges. Specific cables additionally guarantee ESD safety between any two points.

These specialized protective features are added to the same outstanding reading snappiness and full 2D decoding capability of Gryphon D432 Plus. Enhanced optics with improved 'motion tolerance' allows codes placed on fast moving objects to be easily and quickly captured, creating the ideal reader for tasks requiring high throughput like those found in light industrial manufacturing environments.

The Gryphon D432 Plus ESD features Datalogic's exclusive patented 'Green Spot' providing good read feedback directly on the code which is especially useful for noisy environments. Aiming at the image to be captured is easy and intuitive, with the single click trigger that enables the Datalogic 5-dot aimer, marking the four corners and center of the reading area.

**Features**

- Certified between static dissipative ( $10^6 \Omega$  and  $10^{12} \Omega$ ) and conductive ( $10^3 \Omega$  and  $10^6 \Omega$ ) range
- Omnidirectional reading
- Advanced 'motion tolerance' optics
- Supports 1D, 2D and postal codes plus stacked and composite codes like PDF417 and GS1 DataBar™
- Datalogic's patented 'Green Spot' for good-read feedback and instinctive 5-dot aimer



## Specifications

### DECODING CAPABILITY

#### 1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes

#### 2D CODES

#### POSTAL CODES

Aztec Code; Data Matrix; MaxiCode; Micro QR Code; QR Code  
Australian Post; China Post; IMB; Japanese Post; KIX Post; Korea Post;  
Planet Code; Postnet; Royal Mail Code (RM4SCC)  
EAN/JAN Composites, GS1 DataBar Composites; GS1 DataBar  
Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked  
Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E  
Composites

#### STACKED CODES

### ELECTRICAL

#### CURRENT

Operating (Typical): 245 mA @ 5 VDC  
Standby/Idle (Typical): 120 mA @ 5 VDC  
4.75 - 5.25 VDC

#### INPUT VOLTAGE

### ENVIRONMENTAL

#### AMBIENT LIGHT

#### DROP RESISTANCE

0 - 100,000 lux  
Withstands repeated drops from 1.2 m / 3.9 ft onto a concrete  
surface

#### ESD FEATURES

Certification Rank: Certified between static dissipative ( $10^6 \Omega$  and  $10^{12} \Omega$ ) and conductive ( $10^3 \Omega$  and  $10^6 \Omega$ ) range  
Residual Voltage: < 5 V

#### ESD PROTECTION (AIR DISCHARGE)

#### HUMIDITY (NON-CONDENSING)

#### PARTICULATE AND WATER SEALING

#### TEMPERATURE

8 kV  
0 - 95%  
IP30  
Operating: 0 to 50 °C / 32 to 122 °F  
Storage/Transport: -20 to 70 °C / -4 to 158 °F

### INTERFACES

Keyboard Wedge; RS-232; USB

### PHYSICAL CHARACTERISTICS

#### COLORS AVAILABLE

#### DIMENSIONS

#### WEIGHT

Black  
17.9 x 8.1 x 9.8 cm / 7.0 x 3.2 x 3.9 in  
198.0 g / 7.0 oz

### READING PERFORMANCE

#### IMAGE CAPTURE

Wide VGA: 752 x 480 pixels  
Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2  
2D CMOS Array: 752 x 480 pixels

#### IMAGER SENSOR

#### LIGHT SOURCE

#### PRINT CONTRAST RATIO (MINIMUM)

#### READING ANGLE

#### READING INDICATORS

Aiming: 630 - 670 nm VLD  
23%  
Pitch: 35°; Roll (Tilt): +/- 360°; Skew (Yaw): +/- 40°  
Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read  
Feedback; Good Read LED

#### RESOLUTION (MAXIMUM)

Data Matrix: 0.168 mm / 6.6 mils; Linear: 0.100 mm / 4.0 mils

### READING RANGES

#### TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.  
Printing resolution, contrast, and ambient light dependent.  
10 mils Data Matrix: 1.5 to 14.0 cm / 0.6 to 5.5 in  
10 mil PDF: 0.5 to 22.0 cm / 0.2 to 8.6 in  
EAN13 - 13 mils: 1.5 to 22.0 cm / 0.6 to 8.6 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; CDRH Class II;  
IEC 60825 Class 2  
IEC 60825 Class 1 LED

#### LED CLASSIFICATION

### UTILITIES

#### DATALOGIC ALADDIN™

Datalogic Aladdin configuration program is available for download at no charge

### WARRANTY

5-Year Factory Warranty



#### Mounts/Stands

- 90ACC1760 Hands Free Stand (STD-GRYPHON) for Gryphon Dx000/D110/Mx00, DLC707x-M1
- 90ACC1770 Desk/Wall Holder (SPC-GRYPHON)
- 90ACC1873 Hands Free Stand (STD-1010) for Gryphon Dx20/BTx00
- 90ACC1876 PLATE, Metal Plate for STD-Gryphon, STD-10xx

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Product specifications are subject to change without notice.

DS-GRYPHOND432ESD-ENA4 20100721

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