Datalogic now provides 2D reading with its top Hand-Held reader, the Gryphon™. The Gryphon D432 performs “omnidirectional” reading on a wide range of symbologies from the most common 1D and 2D codes to stacked and postal codes, improving productivity and efficiency in a wide range of applications. In fact, with the Gryphon™ 2D, the user captures the whole image of the object to be identified no matter how it is orientated, thus avoiding any alignment constraint between the reader and the symbol to be read. Furthermore, the Gryphon™ 2D can be used for “image-based” applications such as signature capture and OCR. The software selectable “green spot” feature, (Datalogic patent application) produced by the Gryphon™ provides “good reading” feedback directly on the code, where the user usually tends to be looking.

The Gryphon D432 is provided in standard and high resolution models and is equipped with a multi-standard interface for connection to the host via USB (COM and wedge emulation), RS232 or Wedge emulation.

The Gryphon™ D432 operates at 5 V, eliminating the need of an external power supply. It is also provided with a five year warranty. This, along with Gryphon’s™ well-known reliability guarantees the customer’s investment now and in the future.

The Gryphon D432 supports VisualSetup™ that permits easy configuration of all the parameters to personalize the reader for any application through a RS232 or USB interface, as well as providing a quick view of the downloaded images.

**Features**

- Omni-directional scanning
- Supports most 1D, 2D, and Postal code symbologies
- Image capture
- Intuitive five-dot laser aiming
- Standard and high resolution models
- Multi-standard interface
- USB, RS232, Wedge emulation
- 5 year warranty
- Sunrise 2005 compliant

**Applications**

- Document handling:
  - Front office / Postal applications
  - Shipping and Receiving
- Health care
  - Patient monitoring and medicine tracking
- Shop floor:
  - WIP
  - Tracking
  - Quality control
**Hand-Held Readers**

### Specifications

#### ELECTRICAL CHARACTERISTICS
- **POWER SUPPLY**: 4.75 to 5.25 VDC
- **CONSUMPTION**: 120 mA@5V (Stand-by), 245 mA@5V (Typical), 340 mA@4.75V (Peak current)

#### OPTICAL CHARACTERISTICS
- **SENSOR**: 640 x 480 pixel element, 2D CMOS Array
- **IMAGE AND**: 640 x 480 pixel format VGA
- **SIGNATURE CAPTURE**: 320 x 240 pixel format QIF
- **AIMING**: Visible laser diode @ 630 - 670 nm

#### MECHANICAL CHARACTERISTICS
- **DIMENSIONS**: 179 x 81 x 98 mm (7.04 x 3.18 x 3.85 in)
- **WEIGHT**: 198 g (6.9 oz) (without cable)

#### PERFORMANCE
- **MAX. RESOLUTION**: Linear: 4 mils; Datamatrix 6.6 mils (Gryphon™ D432)
- **READING FIELD**: Linear: 2 mils; Datamatrix: 4 mils (Gryphon™ D432-E) 20° (H) x 15° (V);
- **PRINT CONTRAST VALUE (min.)**: 25% (Gryphon™ D432), 27% (Gryphon™ D432-E)
- **READING ANGLE**: Skew ±40° (Gryphon™ D432), ±60° (Gryphon™ D432-E); ±35° (Gryphon™ D432-E), ±50° (Gryphon™ D432-E)

#### GRAPHIC FORMATS
- .bmp, .jpg, .tif;
- gray levels: 256, 16, 2

#### CODES
- **2D codes**: PDF417, DataMatrix (ECC200), QR, Composite Code, MicroPDF, MacroPDF, Maxicode
- **Postal codes**: POSTNET, PLANET, Japan Post, Australia Post, KIX Code, Royal Mail Code (RM4SCC)

#### INTERFACES
- **RS232, Wedge AT IBM, USB (COM and Wedge emulation)**

#### LASER CLASSIFICATION
- **Class 2 (IEC 825-1 and CDRH)**

#### ENVIRONMENT
- **AMBIENT LIGHT**: 0 to 100,000 lux
- **OPERATING TEMP.**: 0 to 50 °C (32 to 122 °F)
- **STORAGE TEMP.**: -20 to 70 °C (-4 to 158 °F)
- **HUMIDITY**: 0 to 95% non condensing
- **DROP RESISTANCE**: 1.5 m (5 ft) multiple drops

### Reading Characteristics

#### Gryphon™ D432
- **1D CODE DEPTH OF FIELD**
  - Code 39 5 mils: 70 to 135 mm
  - Code 39 20 mils: 65 to 310 mm
  - EAN13 13 mils: 65 to 245 mm

#### Gryphon™ D432 2D CODE DEPTH OF FIELD
- **POSTNET 2D**: 175 to 300 mm
- **PDF417 5 mils**: 80 to 140 mm
- **PDF417 6.6 mils**: 55 to 175 mm

#### Gryphon™ D432 2D CODE (cont.) DEPTH OF FIELD
- **PDF417 10 mils**: 35 to 225 mm
- **Datamatrix 7.5 mils**: 82 to 112 mm
- **Datamatrix 10 mils**: 55 to 150 mm
- **Datamatrix 15 mils**: 55 to 205 mm

#### Gryphon™ D432-E
- **1D CODE DEPTH OF FIELD**
  - Code 39 3 mils: 50 to 75 mm
  - Code 39 5 mils: 40 to 95 mm

#### Gryphon™ D432-E 2D CODE DEPTH OF FIELD
- **PDF417 3 mils**: 50 to 80 mm
- **PDF417 10 mils**: 40 to 130 mm
- **Datamatrix 5 mils**: 50 to 75 mm
- **Datamatrix 10 mils**: 45 to 105 mm

### Accessories

#### Stand
Robust and compact, the stand makes it possible to use the reader in a hands-free mode.

#### Protective case - Belt coupler
This permits the reader to be carried on a belt when not in use and protect it against drops.

#### Desk/Wall Holder
The Desk/Wall Holder provides ease of use and flexibility in many environments where work space is limited.