gryphon™

Hand-Held 2D Reader

5 year WARRANTY

Instinctive Pointer

Linear and 2D Codes

USB UNIVERSAL SERIAL BUS

General Description

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

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 CIF
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)
	Linear: 2 mils; Datamatrix: 4 mils (Gryphon™ D432-E)
READING FIELD	21.8° (H) x 16.7° (V): Gryphon™ D432
	20° (H) x 15° (V): Gryphon™ D432-E
PRINT CONTRAST VALUE (min.)	PCS=23% (Gryphon™ D432); PCS=27% (Gryphon™ D432-E)
READING ANGLE	
Skew	±40° (Gryphon™ D432); ±60° (Gryphon™ D432-E)
Pitch	±35° (Gryphon™ D432); ±50° (Gryphon™ D432-E)
Tilt	360°

GRAPHIC FORMATS	.bmp, .jpg, .tif; gray levels: 256, 16, 2
CODES	
1D Codes	Interleaved 2/5, Code 39, Code 32, Code 128, EAN 128, Code 93, UPC/EAN/JAN, Codabar, RSS
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 IMMUNITY	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 20 mils	115 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.

Stand

Protective case - Belt coupler

This permits the reader to be carried on a belt when not in use and protect it against drops.

Protective Case

Desk/Wall Holder

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

Desk/Wall Holder

CE   CSQ   TÜV

R40-0214-UK   A   0307