

## DATALOGIC GRYPHON GFS4400

1D/2D self-contained

GFS4450-9

Gryphon GFS4450 Fixed Scanner, 1D/2D Imager, RS232

- Maximum resolution 0.178mm
- Humidity (Non-Condensing) 5-95%
- USB/RS-232 interfaces
- Ambient light 0-100,000 lux



### PRODUCT DESCRIPTION

The Gryphon™ GFS4400 2D is a fixed mount bar code reader, using advanced imaging technology, providing a complete self-contained solution for OEM use into self-service kiosks, price verifiers, ticket readers, document handling and medical lab applications, as well as vending machines and other automated equipment.

With a simple 'plug-and-play' solution the Gryphon™ GFS4400 2D is designed for easy integration for system designers, constructed using high-impact resin in order to withstand cleaning with solvents and disinfectant solutions. To provide dependable and reliable scanning performance the sealed enclosure meets industrial standards against water and particulates.

Offering excellent performance on decoding poor or damaged codes the Gryphon™ GFS4400 2D features outstanding near-field reading, wide angle field-of-view and improved motion detection.

As with all Gryphon readers, the GFS4400 reader offers good-read visual confirmation with Datalogic's patented 'Green Spot' technology.

The steady, deep red illumination light maximises user comfort, it is easier on the eyes than other competitive products with flicker illumination. In a multiple bar code environment the reader uses a center cross for the aimer to provide targeted scanning, as well as this the highly visible 4-Dot aimer defines a precise reading zone and reduces accidental reads.

For mobile marketing or ticketing applications, this imager offers excellent performance when reading bar codes from mobile devices, also providing snappy reading performance on all common 1D and 2D codes as well as postal, stacked and composite codes like PDF417.

The GFS4400 OEM module eliminates the need for separate equipment with signature capture and document scanning capabilities.

The Gryphon™ GFS4400 2D supports several modes that can be used as a trigger, it has the ability to automatically sense objects and trigger itself, a continuous scan mode can be used to transmit data whenever a barcode passes its field of view or the reader can be triggered remotely using input from a programmable logic controller or sensor.

There are two models available, The GFS4450-9 supports RS-232 serial interface, alternatively the GFS4470 features a USB interface. The USB version supports both USB-HID for easy integration and keyboard emulation, or USB COM for virtual serial communications.

### TECHNICAL DATA

<b>1D Code types</b>	Auto discriminates all standard 1D codes
<b>2D Code Types</b>	Aztec Code, China Han Xin Code, Data Matrix, MaxiCode, Micro QR Code, QR Code
<b>Approvals</b>	RoHS

<b>Colour</b>	Grey
<b>Dimension (mm)</b>	28 x 42 x 48
<b>Drop resistance</b>	Withstands repeated drops from 0.76 m / 2.50 ft onto a concrete surface
<b>Humidity</b>	5 - 95% (Non-condensing)
<b>Immunity to ambient light</b>	0 - 100,000 lux
<b>Interface</b>	RS-232
<b>Light source</b>	Aiming: 650 nm VLD
<b>Output current</b>	<180 mA
<b>Postal Code Types</b>	China Post, IMB, KIX Post, Planet Code, Postnet, Royal Mail Code (RM4SCC), UK Postal, Australia Postal, Japan Postal, Korea Post
<b>Readable code types</b>	1D / Linear Codes, 2D Codes, Postal Codes, Stacked Codes
<b>Reading angle window</b>	Pitch: +/-40°; Tilt: +/- 180°; Skew: +/-40°
<b>Resolution</b>	0.178 mm / 7 mils
<b>Stacked Code Types</b>	EAN/JAN Composites, GS1 Databar Composites, GS1 Databar Expanded Stacked, GS1 Databar Stacked, GS1 Databar Stacked Omnidirectional, Macro PDF, Micro PDF 417, PDF 417, UPC A/E Composites
<b>Storage temperature max</b>	70 °C
<b>Storage temperature min</b>	-20 °C
<b>Temperature operational max</b>	50 °C
<b>Temperature operational min</b>	-20 °C
<b>Weight</b>	51.2 g