



FIXED MOUNT LINEAR IMAGER BAR CODE READER

Using advanced imaging technology, the Gryphon™ I GFS4100 fixed mount bar code reader provides a complete self-contained solution for OEM use into self-service kiosks, price verifiers, ticket readers, document handling, and medical laboratory applications, as well as vending machines and other automated equipment.

Designed for easy integration, the Gryphon I GFS4100 reader provides a simple 'plug-and-play' solution for system designers. Constructed using high-impact resin to withstand repeated cleanings with solvents and disinfectant solutions, the sealed enclosure meets industrial standards against water and particulates to provide dependable and reliable scanning performance.

The Gryphon I GFS4100 OEM module shares the same excellent reading characteristics found in the premium line of Gryphon™ 4100 series of handheld devices. Featuring outstanding near-field reading, a wide angle field-of-view, improved motion tolerance and snappy reading, it also offers integrators excellent performance on decoding poor or damaged codes. As with all Gryphon readers, the GFS4100 reader offers users additional good-read visual confirmation with Datalogic's patented 'Green Spot' technology.

The Gryphon I GFS4100 reader supports several modes that can be used as a trigger. The module has the ability to automatically sense objects and trigger itself. A continuous scan mode transmits data whenever a bar code passes into its field of view. The reader can be triggered remotely using input from programmable logic controller (PLC) or sensor.

Available in two models, the GFS4150-9 model supports an RS-232 serial interface, or the GFS4170 features a USB interface. The USB version supports both USB-HID for easy integration and keyboard emulation, or USB COM for virtual serial communications.

FEATURES

- High-speed imaging for fast moving codes
- Read rate: 320 reads/second
- Excellent near-field reading at the scan window
- Supports all common linear (1D) bar codes including GS1 DataBar™
- Reads high resolution bar codes up to 3 mils
- Datalogic's patented Green Spot for good-read feedback
- Integrated good-read beeper
- Automatic sensing or manual trigger options available
- Integrated interface cable
- High-impact resin creates a solvent-tolerant enclosure
- Water and Particulate Sealing Rating: IP54



DECODING CAPABILITY

1D / LINEAR CODES

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

ELECTRICAL

CURRENT

Operating (Typical): 390 mA

INPUT VOLTAGE

Standby/Idle (Typical): GFS4100: < 2.5 mA

5 VDC +/- 5%

ENVIRONMENTAL

AMBIENT LIGHT

0 - 100,000 lux

DROP RESISTANCE

Withstands repeated drops from 0.76 m / 2.50 ft onto a concrete surface

16 kV

ESD PROTECTION (AIR DISCHARGE)

95%

HUMIDITY (NON-CONDENSING)

IP54

PARTICULATE AND WATER SEALING

Operating: 0 to 50 °C / 32 to 122 °F

TEMPERATURE

Storage/Transport: -25 to 50 °C / -13 to 122 °F

INTERFACES

INTERFACES

RS-232; USB

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

Grey; Other colors and custom logo options are available for minimum quantity purchase.

DIMENSIONS

3.9 x 5.7 x 5.8 cm / 1.5 x 2.2 x 2.3 in

WEIGHT

170.0 g / 6.0 oz (including a 2.0 m / 6.6 ft RS-232 cable)

READING PERFORMANCE

IMAGER SENSOR

CCD Solid State

LIGHT SOURCE

Illumination: Dual LED Array 630 - 670 nm

PRINT CONTRAST RATIO (MINIMUM)

15%

READ RATE (MAXIMUM)

320 reads/sec.

READING ANGLE

Pitch: +/- 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65°

READING INDICATORS

Beeper; Datalogic 'Green Spot' Good Read Feedback; Good Read LED

RESOLUTION (MAXIMUM)

0.076 mm / 3 mils

READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.

Printing resolution, contrast, and ambient light dependent.

5 mils: 5.0 to 16.0 cm / 2.0 to 6.3 in

8 mils: 3.0 to 27.0 cm / 1.2 to 10.6 in

10 mils: 1.5 to 30.0 cm / 0.6 to 11.8 in

13 mils: 3.0 to 40.0 cm / 1.2 to 15.7 in

20 mils: up to 60.0 cm / up to 23.6 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.

Complies to China RoHS; Complies to EU RoHS

IEC 60825-1 Class 1 LED Product

UTILITIES

DATALOGIC ALADDIN™

Datalogic Aladdin configuration program is available for download at no charge.

OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge.

OPOS Utilities are available for download at no charge.

REMOTE HOST DOWNLOAD

Lowers service costs and improves operations.

WARRANTY

WARRANTY

18-Month Factory Warranty

