

# **FIXED MOUNT AREA IMAGER BAR CODE** READER

The Gryphon™ 4000 series represents the premium level of data collection devices from Datalogic ADC. Using advanced imaging technology, the Gryphon™ GFE4400 2D engine provides a compact and easy-to-use solution for OEM use in self-service kiosks, price verifiers, ticket readers, document handling and medical laboratory applications, as well as vending machines and other automated equipment.

The GFE4400 2D OEM engine features outstanding near-field reading, a wide angle field-of-view, high motion tolerance, snappy reading, and also offers excellent performance on decoding poor or damaged bar codes. As with all Gryphon readers, the GFE4400 2D OEM engine offers good-read visual confirmation with Datalogic's patented 'Green Spot' technology.

User comfort is maximized with the GFE4400 2D 0EM engine's steady, deep red illumination light. Easier on the eyes than competitive products with flicker illumination, the highly visible 4-Dot aimer defines a precise reading zone and reduces accidental reads. The aimer's center cross provides a locator for targeted scanning in a multiple bar code environment.

The GFE4400 2D OEM engine provides snappy reading performance on all common 1D and 2D codes as well as postal, stacked and composite codes like PDF417. For mobile marketing or ticketing applications, this imager also offers excellent

The GFE4400 2D OEM engine eliminates the need for separate equipment with signature capture and document scanning capabilities.

The GFE4400 2D OEM engine supports several modes that can be used as a trigger. This module has the ability to automatically sense objects and trigger itself. A continuous scan mode captures data whenever a bar code passes into its field-of-view. The reader can also be triggered remotely through software commands or via hardware input from programmable logic controller (PLC) or sensor.

The GFE4400 2D OEM engine supports an RS-232 serial interface, a USB HID Keyboard and a USB COM interface.

## **FEATURES**

- · Highly visible 4-Dot aimer with center cross for targeted scanning
- Omnidirectional reading
- Advanced motion tolerance optics
- Image capture and document scanning capabilities
- Reads bar codes down to 4 mils
- Reads 1D, 2D and postal codes plus stacked and composite codes
- Interface options: RS-232 or USB
- Datalogic's patented 'Green Spot' technology for good-read feedback
- Automatic sensing or manual trigger options available

performance when reading bar codes from mobile devices.









# GRYPHON™ I GFE4400 2D

Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2

#### **DECODING CAPABILITY**

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

2D CODES

Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code

Australian Post; British Post; China Post; IMB; Japanese Post;

KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)

STACKED CODES EAN/JAN Composites; GS1 DataBar Composites;

GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417;

PDF417; UPC A/E Composites

**ELECTRICAL** 

**POSTAL CODES** 

CURRENT Operating (Typical): < 180 mA

Standby/Idle (Typical): Automatic Object Sense Mode: 115 mA

Online & Serial OnLine Modes: 65 mA

**INPUT VOLTAGE** 5 VDC +/- 5%

**ENVIRONMENTAL** 

AMBIENT LIGHT 0 - 100,000 lux 5-95%

**HUMIDITY (NON-CONDENSING) TEMPERATURE** 

Operating: -20 to 50 °C / -4 to 122 °F

Storage/Transport: -20 to 70 °C / -4 to 158 °F

**INTERFACES** 

**INTERFACES** OEM (IBM) USB; RS-232; USB: USB COM; USB HID Keyboard

PHYSICAL CHARACTERISTICS

DIMENSIONS 2.8 x 4.2 x 4.8 cm / 1.1 x 1.7 x 1.9 in

WEIGHT USB: 51.2 g / 1.8 oz

RS-232: 51.2 g / 1.8 oz

### **READING PERFORMANCE**

**IMAGE CAPTURE IMAGER SENSOR** 

LIGHT SOURCE PRINT CONTRAST RATIO (MINIMUM)

READING ANGLE

RESOLUTION (MAXIMUM)

Pitch: +/- 40°; Roll (Tilt): 180°; Skew (Yaw): +/- 40° 1D Linear: 0.102 mm / 4 mils

Data Matrix: 0.178 mm / 7 mils PDF417: 0.102 mm / 4 mils

Wide VGA: 752 x 480 pixels

Aiming: 650 nm VLD

**READING RANGES** 

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan

Printing resolution, contrast, and ambient light dependent.

Code 39: 5 mil: 4.7 to 17.7 cm / 1.8 to 7.0 in Code 39: 10 mil: 1.7 to 33.2 cm / 0.7 to 13.1 in Data Matrix: 10 mil: 2.7 to 17.1 cm / 1.0 to 6.7 in Data Matrix: 15 mil: 1.2 to 24.6 cm / 0.5 to 9.7 in EAN: 13 mil: 2.5 to 41.9 cm / 1.0 to 16.5 in PDF417: 10 mil: 2.2 to 23.9 cm / 0.9 to 9.4 in QR Code: 10 mil: 3.5 to 16.0 cm / 1.4 to 6.3 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** Complies to China RoHS; Complies to EU RoHS

Caution Laser Radiation - Do not stare into beam; IEC 60825,

Class 2

UTILITIES

LASER CLASSIFICATION

DATALOGIC ALADDIN™ Datalogic Aladdin configuration program is available for

download at no charge.

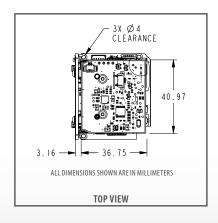
OPOS / JAVAPOS JavaPOS Utilities are available for download at no charge.

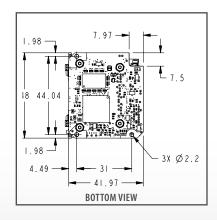
OPOS Utilities are available for download at no charge.

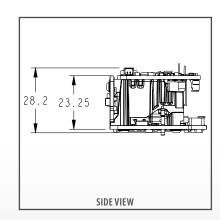
REMOTE HOST DOWNLOAD Lowers service costs and improves operations.

WARRANTY

WARRANTY 18-Month Factory Warranty







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