



General Purpose Handheld Linear Imager Bar Code Reader with Bluetooth® Wireless Technology

With rich feature sets and extensive model options, the Gryphon product series from Datalogic Scanning represents the premium level of data collection equipment for general purpose applications. Extremely versatile and durable the Gryphon BT cordless linear imaging readers with Bluetooth® Wireless Technology are the ultimate solution for applications in retail and light industrial environments where mobility is necessary for improved productivity. Mobile communications eliminate the restraints caused by cabled devices, providing a safer and more efficient work environment.

The Gryphon BT readers can transmit data to the host through its base station as well as any commercial or embedded Bluetooth® v1.2 compliant device. Its Software utility converts serial input to keyboard emulation, providing more interface possibilities. The

Gryphon BT100 models offer standard support for 1D codes including GS1 DataBar. The BT200 models add additional symbology support for stacked codes including PDF417 and GS1 DataBar plus EAN/UPC composite codes.

Featuring Datalogic's exclusive patented 'Green Spot' for good read feedback directly on the code; it helps to improve productivity especially in noisy environments. When the readers are used in Stand Mode, the Green Spot remains on to aid in positioning the code for quick and intuitive reading.

Datalogic's patented PuzzleSolver™ decoding algorithm guarantees outstanding performance on poorly printed or damaged codes and advanced data editing and data formatting modes are available to format the collected data as required by the application software.

Features

- Fast reading performance up to 270 scans/second
- Bluetooth Wireless Technology with up to 10 m / 32.8 ft range
- High speed data transmission with zero delay
- Virtual COM and keyboard emulation data input
- Datalogic's patented 'Green Spot' for good-read feedback
- Supports GS1 DataBar™ linear codes with additional support for stacked codes like PDF417, MicroPDF and GS1 DataBar plus UPC/EAN composites on select models
- Water and Particulate Sealing Rating: IP30
- Drop resistance to 1.8 m / 5.9 ft



Specifications

CORDLESS COMMUNICATIONS

BLUETOOTH WIRELESS TECHNOLOGY

Protocol: Bluetooth 1.2 Certified Class 2
Radio Frequency: 2.40 to 2.48 GHz
Radio Range (Open Air): 10.0 m / 32.8 ft

DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

STACKED CODES

Code 16K; Code 49; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; PDF417; Model BT200

ELECTRICAL

BATTERY

Battery Type: 2 AA NiMh
Charge Time: External Power: 4 Hours
Reads per Charge: 24,000
Battery Charging (Red): Charge Completed (Green); Power/Data (Yellow)
Operating (Typical): C-Gryphon Base/Charger: 8 Watts
C-Gryphon Base/Charger: 9 - 28 VDC

CRADLE INDICATOR LEDS

CURRENT

INPUT VOLTAGE

ENVIRONMENTAL

AMBIENT LIGHT

DROP RESISTANCE

ESD PROTECTION (AIR DISCHARGE)

HUMIDITY (NON-CONDENSING)

PARTICULATE AND WATER SEALING

TEMPERATURE

0 - 100,000 lux
Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface
16 kV
90%
IP30
Operating: 0 to 40 °C / 32 to 104 °F
Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

RS-232

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

DIMENSIONS

WEIGHT

Dark Grey
20.8 x 10.7 x 5.6 cm / 8.2 x 4.2 x 2.2 in
C-Gryphon Base/Charger: 250.0 g / 8.8 oz
Reader: 280.0 g / 9.9 oz (With Batteries)

READING PERFORMANCE

IMAGER SENSOR

LIGHT SOURCE

PRINT CONTRAST RATIO (MINIMUM)

READ RATE (MAXIMUM)

READING ANGLE

READING INDICATORS

RESOLUTION (MAXIMUM)

CCD Solid-state 3648 pixels
Illumination: LED Array 630 - 670 nm
15%
270 reads/sec.
Pitch: 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 80°
Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback;
BlueSpot; Good Read LED
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: 2.0 to 13.0 cm / 0.8 to 5.1 in
7.5 mils: 1.0 to 18.0 cm / 0.4 to 7.0 in
10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in
13 mils: 1.0 to 28.0 cm / 0.4 to 11.0 in
20 mils: 2.0 to 37.0 cm / 0.8 to 14.4 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 Class 1 LED

ENVIRONMENTAL COMPLIANCE

LED CLASSIFICATION

WARRANTY

2-Year Factory Warranty



Cases/Holsters

- 90ACC1857 Protective Case/Belt Coupler



Mounts/Stands

- 90ACC1790esk/Wall Holder
- 90ACC1873 Hands Free Stand (STD-1010) for Gryphon Dx20/BTx00

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