GRYPHON™ 4400-HC 2D SERIES ⇔DATALOGIC



THE PURPOSE OF BAR CODE READERS IN THE HEALTHCARE INDUSTRY

The key mission of scanners in the healthcare industry is to improve the quality of patient care while reducing medication errors. Additionally, healthcare environments have requirements that scanners need to be regularly cleaned and disinfected. The Datalogic Gryphon™ HC product series is specifically developed for healthcare applications with Disinfectant-Ready enclosures treated with anti-microbial additives and are designed to withstand daily cleaning with harsh disinfectant solutions.

The Gryphon[™] 4400-HC 2D readers can decode virtually any 1D and 2D bar code symbology and can read codes from LCD monitors, cell phones, smartphones and other mobile devices. Enhanced optics offer improved motion tolerance and high speed imaging to read fast moving codes as well as the ability to capture images such as signatures, complete IDs or prescriptions.

Ideally suited for stationary applications in administration, laboratory and hospital environments, the GD4400-HC 2D desktop model offers an affordable corded solution, while the GM4400-HC 2D or GBT4400-HC 2D cordless models (STAR or Bluetooth®) provide extended mobility for cordless operations.

The deep-red illumination of the Gryphon 4400 2D imagers eliminate the irritating 'flicker effect' found in competing products, allowing for comfortable allday usage. The highly visible 4-Dot aimer provides a clear indication of the reading area, making targeting codes quick and easy. Datalogic's patented 'Green Spot' technology provides additional visual good-read confirmation which is ideal for quiet environments like bedside patient care. Datalogic Aladdin[™] configuration software and Remote Host Management software provide simple tools to manage deployed devices and keep them synchronized across an enterprise.



ALL PRODUCTS

- Disinfectant-Ready enclosures treated with anti-microbial additives (ISO22196 and JISZ 2801 compliant models available)
- Motionix[™] motion-sensing technology for seamless reading mode transitions
- Omnidirectional reading of 1D, 2D and postal codes plus stacked and composite codes
- Extremely snappy reading performance
- Extended reading distancesAdvanced motion tolerance optics
- Highly visible 4-Dot aimer with center cross for targeted scanning
- Image capture and document scanning capabilities
- Datalogic's patented 'Green Spot' technology for good-read feedback
- USB Certified Kits Available
- ISO22196 Compliant Models Available

CORDLESS PRODUCTS

 Two choices: STAR 433 / 910 MHz or Bluetooth® wireless technology

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- Batch Mode capability: >1200 codes stored in memory
- Point-to-point / Point-tomultipoint transmission
- Datalogic's unique patented
 2-position cradle with 'Scan-While-Charging' capability
- Long lasting user-replaceable
 Lithium-lon battery

GRYPHON™ I GD4400-HC 2D

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DECODING CAPABILITY		READING PERFORMANCE	
1D / LINEAR CODES 2D CODES POSTAL CODES STACKED CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear 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) EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites	IMAGE CAPTURE IMAGER SENSOR LIGHT SOURCE MOTION TOLERANCE PRINT CONTRAST RATIO (MINIMUM) READING ANGLE READING INDICATORS RESOLUTION (MAXIMUM)	Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2 Wide VGA: 752 x 480 pixels Aiming: 650 nm VLD 25 IPS 25% Pitch:+/- 40°; Roll (Tilt): 180°; Skew (Yaw): +/- 40 Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED 1D Linear: 0.102 mm / 4 mils; Data Matrix: 0.178 mm / 7 mils; PDF417: 0.102 mm / 4 mils
		READING RANGES	
ELECTRICAL CURRENT INPUT VOLTAGE	Operating (Typical): 160 mA @ 5 VDC; Standby/Idle (Typical): 65 mA @ 5 VDC 4.2 - 5.25 VDC	TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol lengtl and scan angle. Printing resolution, contrast, and ambient ligh dependent. Code 39: 5 mils: 4.0 to 19.0 cm / 1.6 to 7.5 in Code 39: 10 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in
ENVIRONMENTAL			Code 39: 10 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in Data Matrix: 10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 i
AMBIENT LIGHT DROP RESISTANCE	0 - 100,000 lux Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface		Data Matrix: 15 mils: 0 to 23.6 cm /0 to 9.3 in EAN-13: 13 mils: 1.5 to 40.0 cm / 0.6 to 15.7 in PDF417: 10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in QR Code: 10 mils: 3.0 to 12.5 cm / 1.2 to 4.9 in
ESD PROTECTION (AIR DISCHARGE)	16 kV	SAFETY & REGULATORY	
HUMIDITY (NON-CONDENSING) PARTICULATE AND WATER SEALING TEMPERATURE	5 - 90% IP52 Operating: 0 to 50 °C / 32 to 122 °F Storage / Transport: -20 to 70 °C / -4 to 158 °F	AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can b referred to for a complete list of certifications. Complies to China RoHS; Complies to EU RoHS
INTERFACES		LASER CLASSIFICATION	Caution Laser Radiation - Do not stare into beam: IEC 60825 Class 2
INTERFACES	RS-232 / USB / Keyboard Wedge / Wand Multi- Interface	UTILITIES	
PHYSICAL CHARACTERISTICS		DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is
COLORS AVAILABLE Light DIMENSIONS 18.1 3 ENCLOSURE Disin	Light Green/Light Grey (Rubber/Plastic) 18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in Disinfectant-Ready Enclosure Treated with Anti-Microbial Additives (ISO22196 and JISZ 2801 compliant models available) 195.0 g / 6.9 oz	OPOS / JAVAPOS	available for download at no charge. JavaPOS Utilities are available for download at n charge. OPOS Utilities are available for download at no
WEIGHT		REMOTE HOST DOWNLOAD	charge. Lowers service costs and improves operations: GD4410
		WARRANTY	
		WARRANTY	5-Year Factory Warranty

DATALOGIC ADC'S DISINFECTANT-READY ENCLOSURES FOR HEALTHCARE

Datalogic ADC offers bar code readers designed specifically for the healthcare industry with Disinfectant-Ready enclosures treated with anti-microbial additives that can help fight against the spreading of germs. This is particularly important if the scanner is traveling room-to-room on a medication cart with a nurse. The Disinfectant-Ready enclosures can withstand daily cleaning with harsh chemical cleaning solutions commonly used in a healthcare environment.



PRODUCT	CHEMICAL CONTENT	
Sani-Cloth® HB, Sani-Cloth® Plus, Super Sani-Cloth®	Quaternary Ammonium Chloride solution	
Hepacide Quat II	Virucidal disinfectant cleaner	
Alcohol Wipes	70% Isopropyl Alcohol	
CaviWipes™	Isopropanol 10-20%; Ethylene Glycol Monobutyl Ether 1-5%	
Virex® 256	n-Alkyl Dimethyl Benzyl Ammonium Chloride; Didecyl Dimethyl Ammonium Chloride	
409® Glass and Surface Cleaner	n-Alkyl Dimethyl Benzyl Ammonium Chloride; n-Propoxypropanol	
Windex® Blue	Isopropyl Alcohol	
Clorox® Bleach	Sodium Hypochlorite; Sodium Hydroxide	
100% Gentle dish soap and water		

REFER TO THE DEVICE INSTRUCTION MANUAL FOR PROPER CLEANING METHODS WHEN USING THESE CHEMICALS. DISINFECTANTS SHOULD NOT BE SPRAYED OR POURED ONTO THE SCANNER UNIT.

THE SCANNERS MUST ALWAYS BE WIPED DRY AFTER DISINFECTING.

GRYPHON™ I GM4400-HC 2D

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	Effective Padiated Devery (22.02 MUL- 4.10 MUL		Mide VCA, ZED v / 90 pixele	
)ATALOGIC STAR CORDLESS SYSTEM™	Effective Radiated Power: 433.92 MHz: < 10 mW; 910 MHz: < 1 mW Multi-Point Configuration: Max. Readers per Radio Receiver: 16 Point-to-Point Configuration Radio Frequency: 433.92 MHz; 910 MHz	IMAGER SENSOR LIGHT SOURCE MOTION TOLERANCE PRINT CONTRAST RATIO (MINIMUM) READING ANGLE READING INDICATORS	Wide VGA: 752 x 480 pixels Aiming: 650 nm VLD 25 IPS 25% Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40 Beeper (Adjustable Tone); Datalogic 'Green Spot'	
	Two Way Communications	RESOLUTION (MAXIMUM)	Good Read Feedback; Good Read LED 1D Linear: 0.102 mm / 4 mils; Data Matrix:	
DECODING CAPABILITY			0.178 mm / 7 mils; PDF417: 0.127 mm / 5 mils	
1D / LINEAR CODES	NEAR CODES Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.		READING RANGES	
2D CODES	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; QR Code	TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle.	
POSTAL CODES	Australian Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet;		Printing resolution, contrast, and ambient light dependent.	
STACKED CODES	Royal Mail Code (RM4SCC) EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites		Code 39: 5 mils: 4.0 to 19.0 cm / 1.6 to 7.5 in Code 39: 10 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in Data Matrix: 10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 in Data Matrix: 15 mils: 0 to 23.6 cm / 0 to 9.3 in EAN-13: 13 mils: 1.5 to 40.0 cm / 0.6 to 15.7 in PDF417: 10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in QR Code: 10 mils: 3.0 to 12.5 cm / 1.2 to 4.9 in	
ELECTRICAL		SAFETY & REGULATORY		
BATTERY	Battery Type: Lithium-Ion, 2100 mAh; Charge Time: External Power: 4 Hours @ 12 VDC; Reads per Charge: 60,000 Battery Charging (Red); Charge Completed	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.	
CURRENT NPUT VOLTAGE	(Green); Power/Data (Yellow) Charging (Typical): < 8 W; Standby/Idle (Typical): < 2.5 mA @ 5 VDC 4.75 - 14.0 VDC +/- 5%	ENVIRONMENTAL COMPLIANCE LED CLASSIFICATION	Complies to China RoHS; Complies to EU RoHS Caution Laser Radiation - Do not stare into beam; IEC 60825 Class 2	
		UTILITIES		
ENVIRONMENTAL		DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is	
AMBIENT LIGHT ESD PROTECTION (AIR DISCHARGE) HUMIDITY (NON-CONDENSING) PARTICULATE AND WATER SEALING	0 - 100,000 lux 16 kV 0 - 90% IP52	OPOS / JAVAPOS	available for download at no charge. JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge.	
TEMPERATURE	Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -20 to 70 °C / -4 to 158 °F	REMOTE HOST DOWNLOAD	Lowers service costs and improves operations: BC4010	
INTERFACES		WARRANTY		
INTERFACES	RS-232 / USB / Keyboard Wedge / Wand Multi- Interface	WARRANTY	3-Year Factory Warranty	
PHYSICAL CHARACTERISTICS				
COLORS AVAILABLE DIMENSIONS	Light Green/Light Grey (Rubber/Plastic) Cradle: 18.6 x 9.9 x 5.6 cm / 7.2 x 3.9 x 2.2 in Reader: 18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in			
ENCLOSURE	Disinfectant-Ready Enclosure Treated with Anti- Microbial Additives			
WEIGHT	Cradle: 246.0 g / 8.7 oz; Reader: 245.0 g / 8.6 oz			

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GRYPHON™ I GBT4400-HC 2D

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CORDLESS COMMUNICATIONS		PHYSICAL CHARACTERISTICS	
BLUETOOTH® WIRELESS TECHNOLOGY	Piconet: Max. Readers per Radio Receiver: 7 (when using an external Piconet dongle); Profiles: SPP (Serial Port Profile)	COLORS AVAILABLE DIMENSIONS	Light Green/Light Grey (Rubber/Plastic) Cradle: 18.6 x 9.9 x 5.6 cm / 7.25 x 3.9 x 2.2 in Reader: 18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in
	Protocol: Bluetooth 2.0 Certified Class 2 Radio Frequency: 2.4 GHz Radio Range (Open Air): 30.0 m / 98.4 ft; Range	ENCLOSURE	Disinfectant-Ready Enclosure Treated with Anti-Microbial Additives (ISO22196 and JISZ 280 compliant models available)
	distances are measured using the base station. Range with connection to other Bluetooth	WEIGHT	Cradle: 246.0 g / 8.7 oz; Reader: 245.0 g / 8.6 o;
	peripherals may show different results. Security: Data Encryption; Scanner Authentication	READING PERFORMANCE	
		IMAGE CAPTURE	Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
DECODING CAPABILITY		IMAGER SENSOR	Wide VGA: 752 x 480 pixels
1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.	LIGHT SOURCE MOTION TOLERANCE	Aiming: 650 nm VLD 25 IPS
2D CODES	Aztec Code; China Han Xin Code; Data Matrix;	PRINT CONTRAST RATIO (MINIMUM)	25%
B00711 00850	MaxiCode; QR Code	READING ANGLE	Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40
POSTAL CODES	Australian Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal	READING INDICATORS	Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
TACKED CODES	Mail Code (RM4SCC) EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar	RESOLUTION (MAXIMUM)	1D Linear: 0.102 mm / 4 mils; Data Matrix: 0.178 mm / 7 mils; PDF417: 0.127 mm / 5 mils
	Stacked; GS1 DataBar Stacked Omnidirectional;	READING RANGES	
	MacroPDF; MicroPDF417; PDF417; UPC A/E Composites	TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol lengt
			and scan angle.
ELECTRICAL			Printing resolution, contrast, and ambient light dependent.
BATTERY	Battery Type: Lithium-Ion, 2100 mAh; Charge Time: External Power: 4 Hours @ 12 VDC; Reads per Charge: 50,000		Code 39: 5 mils: 4.0 to 19.0 cm / 1.6 to 7.5 in Code 39: 10 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in Data Matrix: 10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 in
CRADLE INDICATOR LEDS	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)		Data Matrix: 15 mils: 0 to 23.6 cm /0 to 9.3 in EAN-13: 13 mils: 1.5 to 40.0 cm / 0.6 to 15.7 in PDF417: 10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in
CURRENT	Charging (Typical): < 8 W; Operating (Typical): < 2.5 W (@ 5 VDC;		QR Code: 10 mils: 3.0 to 12.5 cm / 1.2 to 4.9 in
	Standby/Idle (Typical): < 2.5 mA @ 5 VDC	SAFETY & REGULATORY	
INPUT VOLTAGE	4.5 - 14.0 VDC +/- 5%	AGENCY APPROVALS	The product meets necessary safety and
ENVIRONMENTAL			regulatory approvals for its intended use.
AMBIENT LIGHT	0 - 100,000 lux		The Quick Reference Guide for this product can be referred to for a complete list of certifications
ESD PROTECTION (AIR DISCHARGE)	16 kV	ENVIRONMENTAL COMPLIANCE	Complies to China RoHS; Complies to EU RoHS
HUMIDITY (NON-CONDENSING) PARTICULATE AND WATER SEALING	0 - 90% IP52	LED CLASSIFICATION	Caution Laser Radiation - Do not stare into beam; IEC 60825 Class 2
TEMPERATURE	Operating: 0 to 50 °C / 32 to 122 °F		Dearri, IEC 00025 Class 2
	Storage/Transport: -20 to 70 °C / -4 to 158 °F	UTILITIES	
INTERFACES		DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is
INTERFACES	RS-232 / USB / Keyboard Wedge / Wand Multi-	OPOS / JAVAPOS	available for download at no charge. JavaPOS Utilities are available for download at n
	Interface		charge. OPOS Utilities are available for download
		REMOTE HOST DOWNLOAD	at no charge. Lowers service costs and improves operations: BC4010
		WARRANTY	
		WARRANTY	3-Year Factory Warranty
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All Droducto		Cordless Droducts	
All Products		Cordless Products	
Mounts/Stands		Batteries/Battery Chargers	

• RBP-GM40 Removable Battery Pack

Base Stations/Chargers

GRYPHON™I GM4400-HC

- BC4030-HC-433 / BC4031-HC-910: Base/Charger,
- 433/910 MHz, Multi-Interface, White, Healthcare
- CHR-GM40-WH: Charging Only Base Station, White

GRYPHON™I GBT4400-HC

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ACCESSORIES ■ 11-0362: Holder, - HLD-G040-WH: STD-AUTO-G040-WH: ■ STD-G040-WH: Multi-Purpose, Basic Stand,

Grey

- Desk/Wall Holder, G040, White White
 - Smart Stand, G040,

G040, White

- BC4030-HC-BT: Base/Charger, Standard Multi-Interface Healthcare
- CHR-GM40-WH: Charging Only Base Station, White