

# HANDHELD SCANNERS

## Product Group Guide



# HANDHELD SCANNERS

Datalogic's Handheld Scanner product line offers products and solutions for automatic data capture and factory automation throughout the customer's entire value chain in the Retail, Manufacturing, Transportation & Logistics and Healthcare industries.

The wide range of general purpose hand held readers offer a variety of choices for most data collection activities. Product sets propose corded and cordless options together with best in class reading technologies, ready to solve current and future needs and applications.

Datalogic's PowerScan industrial handheld readers are data collection's definitive example of ruggedness and durability, coupled with outstanding performance and unyielding reliability.



## HEALTHCARE



- Bedside Care
- Admittance
- Clinical Lab
- Surgical tool tracking
- Blood bank
- Pharmacies

## MANUFACTURING



- Manufacturing Shop Floor
- Component Traceability
- Work-in-Progress
- Sub-Assembly
- Quality Control
- Time and Cost Analysis
- Control Machines Set-up
- In-line Inventory Control

## TECHNOLOGIES

- Linear and area imaging technology for 1D and 2D bar codes
- Megapixel performance and distinctive white-illumination technology
- Bluetooth® and Datalogic's STAR Cordless System™ radio connectivity
- Datalogic's exclusive 3GL™ (3 Green Lights) and 'Green Spot' technology
- Great ergonomics and cutting edge design
- Rugged enclosures; Durable and reliable
- Healthcare models with Disinfectant-Ready enclosures and anti-microbial additives
- Wireless battery charging system
- Adjustable position cradle with scan-while-charging capability
- Smart battery management



## RETAIL



- Point of Sale Checkout
- Shelf Replenishment
- Price Checking
- Store Inventory
- Goods Receiving
- Postal, Bank, Utilities,
- Public Administration
- Access Control, Entertainment

## T&L



- Shipping / Receiving
- Parcel Preparation
- Picking / Put Away
- Automatic Sorting Back-Up
- End of Line Sorting

**CORDLESS FEATURES**

<b>CONTACT</b>	0 to 5 cm / 0 to 2 in
<b>INSTINCTIVE</b>	0 to 30 cm / 0 to 12 in
<b>DISTANCE</b>	0 to 100 cm / 0 to 39 in
<b>LONG RANGE</b>	0 to 250 cm / 0 to 98 in
<b>AUTO RANGE</b>	Up to 10 m / 3 ft

**GENERAL**

TD1100 FAMILY	HERON™ FAMILY		RIDA™ FAMILY
			
TD11XX	HD31XX	HD34XX	RIDA
The TD1100 series of linear imagers are a cost-effective solution for users who require close contact bar code reading. Used in Retail, Services, Banking, etc.	The Heron HD3100 is a linear imager bringing high style and modern technology to the point-of-sale. Available in a 'carbon-fiber' or 'silver' design.	The Heron HD3430 2D area imager brings elegance with advanced 2D reading technology to the modern point-of-sale. Available in a 'carbon-fiber' or 'silver' design.	The DBT6400 is a cordless area imager with Bluetooth® technology in a pocket-sized form factor. Available in a Standard or Healthcare model.

**APPLICATIONS**

<b>Retail</b>	X	X	X	X
<b>Manufacturing</b>		-	-	-
<b>Transportation &amp; Logistics</b>	X	-	-	-
<b>Healthcare</b>	-	-	-	X

**FEATURES**

<b>Reading Technology</b>	Linear Imager	Linear Imager	Area Imager	Area Imager
<b>Reading Range</b>	Contact/Instinctive	Instinctive	Instinctive	Instinctive
<b>Aiming System</b>	Scan Line	Scan Line	4-Dot / Center Cross Aimer	4-Dot Aimer
<b>Wide Scan Angle</b>	-	X	-	-
<b>Host Interface</b>	RS-232 / USB / Keyboard Wedge / Wand Emulation	RS-232 / USB / Keyboard Wedge	RS-232 / USB / Keyboard Wedge	USB (with BC6020 only)

**DATA CAPTURE**

<b>Bar Codes</b>	1D	1D	1D and 2D	1D and 2D
<b>Direct Part Marked (DPM) Codes</b>	-	-	-	-
<b>Digital Watermarks</b>	-	-	-	-
<b>Image Capture</b>	-	-	X	X
<b>Reads from Smartphone or screen displays</b>	X	X	X	X
<b>Datalogic's 'Green Spot' Technology</b>	-	X	X	X

**RUGGEDNESS / DURABILITY**

<b>IP Rating (Particulate and Liquid Sealing)</b>	IP30	IP40	IP40	IP52
<b>Drop to Concrete</b>	1.5 m / 5.0 ft	1.5 m / 5.0 ft	1.5 m / 5.0 ft	1.5 m / 5.0 ft
<b>Factory Warranty</b>	5 Years	5 Years	5 Years	3 Years

**CORDLESS FEATURES**

<b>Wireless Technology (STAR / Bluetooth )</b>	-	-	-	Bluetooth® 4.0
<b>Wireless Range - Travel Distance from Base</b>	-	-	-	25.0 m / 82.0 ft
<b>Display / Keypad for 2-Way Communication</b>	-	-	-	
<b>Batch Mode Capability</b>	-	-	-	X
<b>Battery Type</b>	-	-	-	Li-Ion 700 mAh
<b>Battery Life - Scans Between Charge</b>	-	-	-	
<b>Scan While Charging</b>	-	-	-	



GENERAL PURPOSE HANDHELD READERS		WEARABLE SCANNERS
GRYPHON FAMILY		HANDSCANNER™
		
42XX	45XX	HANDSCANNER™
The Gryphon 42XX linear imagers provide the best-in-class reading performance on 1D bar codes coupled with disinfectant ready enclosures and a unique wireless battery charging system. Available in Desk, Bluetooth and Mobile (STAR radio) versions.	The Gryphon 45XX 2D area imagers provide a new cutting edge design, coupled with disinfectant ready enclosures, megapixel optics and a unique wireless battery charging system. Available in Desk, Bluetooth®, Mobile (STAR radio) and Healthcare versions.	The HandScanner is the lightest and smallest 2D wearable scanner in the market that allows workers to use both hands to pick faster and expand productivity while reducing repetitive useless motions and errors

#### APPLICATIONS

<b>Retail</b>	X	X	X
<b>Manufacturing</b>	X	X	X
<b>Transportation &amp; Logistics</b>	X	X	X
<b>Healthcare</b>	X	X	X

#### FEATURES

<b>Reading Technology</b>	Linear Imager	Area Imager	Area Imager
<b>Reading Range</b>	Distance	Distance	Instinctive / Distance
<b>Aiming System</b>	Soft line viewfinder	4-Dot/Center Cross Aimer	Dot led or Cross laser
<b>Wide Scan Angle</b>	-	-	-
<b>Host Interface</b>	USB type C / USB / RS-232 / Keyboard Wedge / IBM46XX available with accessory cable	RS-232 / USB / Keyboard Wedge / IBM46XX available with accessory cable	Bluetooth HID, USB Serial Port

#### DATA CAPTURE

<b>Bar Codes</b>	1D	1D, 2D and Dotcode	1D and 2D
<b>Direct Part Marked (DPM) Codes</b>	-	-	X
<b>Digital Watermarks</b>	-	X	-
<b>Image Capture</b>	-	X	X
<b>Reads from Smartphone or screen displays</b>	X	X	X
<b>Datalogic's 'Green Spot' Technology</b>	X	X	-

#### RUGGEDNESS / DURABILITY

<b>IP Rating (Particulate and Liquid Sealing)</b>	IP52	xIP52	Water and dust resistant
<b>Drop to Concrete</b>	1.8 m / 5.9 ft	1.8 m / 5.9 ft	Multiple drops from 2m
<b>Factory Warranty</b>	GD4200: 5 Years GBT4200, GM4200: 3 Years	GD4500: 5 Years; GBT4500, GM4500: 3 Years	1 Year

#### CORDLESS FEATURES

<b>Wireless Technology (STAR / Bluetooth )</b>	Bluetooth® 4.0 STAR: 433 or 910 MHz	Bluetooth® 4.0 STAR: 433 or 910 MHz	Bluetooth Low Energy 4.0
<b>Wireless Range - Travel Distance from Base</b>	BT: Up to 100 m / 328 ft STAR: Up to 50 m / 164 ft	BT: Up to 100 m / 328 ft STAR: Up to 50 m / 164 ft	Using generic host device: Up to: 40 m (131 ft) Using HandScanner Gateway: Up to: 70 m (230 ft)
<b>Display / Keypad for 2-Way Communication</b>	-	-	-
<b>Batch Mode Capability</b>	X	X	-
<b>Battery Type</b>	Li-Ion 2550 mAh	Li-Ion 3250 mAh	Li-Ion 670 mAh
<b>Battery Life - Scans Between Charge</b>	GBT, GM: 80,000+	GBT: 80,000 + / GM: 60,000 +	10.000
<b>Scan While Charging</b>	GBT, GM with WLC4090 base station	GBT, GM with WLC4090 base station	-

# INDUSTRIAL HANDHELD READERS

## POWERSCAN™ FAMILY



### 91XX

The PowerScan 91XX linear imagers introduce a new green scanning line for outstanding 1D data collection. Available in Desk, Bluetooth® and Mobile (STAR radio) versions.

### 93XX

The PowerScan 93XX laser readers offer state-of-the-art performance in an industrial product. Available in Desk, Bluetooth® and Mobile (STAR radio) versions.

### 95XX

The PowerScan 95XX area imagers include omnidirectional reading with outstanding optical characteristics. Available in Desk, Bluetooth®, Mobile (STAR radio) and DPM versions.

### 95XX RETAIL

The durability of the PowerScan imagers are now available for the Retail sector. Available in Desk, Bluetooth® and Mobile (STAR radio) versions.

X	X	X	X
X	X	X	X
X	X	X	X
-	-	X	-

Linear Imager	Laser	Area Imager	Area Imager
Distance	Distance / Auto Range	Instinctive / Distance Auto Range DPM Models: Contact / Instinctive	Instinctive / Distance
Laser-like Line	Laser Line	Frame Aimer/Center Cross	4-Dot/Center Cross Aimer
-	-	X	-
RS-232 / USB / Keyboard Wedge / Ethernet / Industrial Fieldbus	RS-232 / USB / Keyboard Wedge / Ethernet / Industrial Fieldbus	RS-232 / USB / Keyboard Wedge / Ethernet / Industrial Fieldbus	RS-232 / USB / Keyboard Wedge

1D	1D	1D and 2D	1D and 2D
-	-	DPM Model	-
-	-	-	X
-	-	X	X
X	-	X	X
X	X	X	X

IP65	IP65	IP65	IP65
2.0 m / 6.6 ft	2.0 m / 6.6 ft	2.0 m / 6.6 ft	2.0 m / 6.6 ft
3 Years	3 Years	3 Years	3 Years

Bluetooth® 3.0 STAR: 433 or 910 MHz	Bluetooth® 3.0 STAR: 433 or 910 MHz	Bluetooth® 3.0 STAR 2.0: 433 or 910 MHz	Bluetooth® 3.0 STAR: 433 or 910 MHz
BT: Up to 100 m / 328 ft 433: Up to 100 m / 328 ft 910: Up to 400 m / 1,312 ft	BT: Up to 100 m / 328 ft 433: Up to 100 m / 328 ft 910: Up to 400 m / 1,312 ft	BT: Up to 90 m / 295 ft 433: Up to 120 m / 393 ft 910: Up to 220 m / 721 ft	BT: Up to 90 m / 295 ft 433: Up to 80 m / 262 ft 910: Up to 130 m / 426 ft
PM9100	PM9300	PM9500	PM9500 Retail
X	X	X	X
Li-Ion 3350 mAh	Li-Ion 3350 mAh	Li-Ion 3350 mAh	Li-Ion 3350 mAh
PBT: 80,000 + / PM: 60,000 +	PBT: 40,000 + / PM: 40,000 +	60,000 +	PBT: 60,000 + / PM: 60,000 +
-	-	-	Vertical Cradle



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