HANDHELD SCANNERS
Product Group Guide

⊕ DATALOGIC

EMPOWER YOUR VISION

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 handheld 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.

RETAIL

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

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 barcodes
- 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

T&L

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

HEALTHCARE

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

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

	TD1100 FAMILY	HERON™ FAMILY	
	TD11XX	**HD31XX**	**HD34XX**
	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.
APPLICATIONS			
Retail	X	X	X
Manufacturing		-	-
Transportation & Logistics	X	-	-
Healthcare	-	-	-
FEATURES			
Reading Technology	Linear Imager	Linear Imager	Area Imager
Reading Range	Contact/Instinctive	Instinctive	Instinctive
Aiming System	Scan Line	Scan Line	4-Dot / Center Cross Aimer
Wide Scan Angle	-	X	-
Host Interface	RS-232 / USB / Keyboard Wedge / Wand Emulation	RS-232 / USB / Keyboard Wedge	RS-232 / USB / Keyboard Wedge
DATA CAPTURE			
Barcodes	1D	1D	1D and 2D
Direct Part Marked (DPM) Codes	-	-	-
Digital Watermarks	-	-	-
Image Capture	-	-	X
Reads from Smartphone or screen displays	X	X	X
Datalogic's 'Green Spot' Technology	-	X	X
RUGGEDNESS / DURABILITY			
IP Rating (Particulate and Liquid Sealing)	IP30	IP40	IP40
Drop to Concrete	1.5 m / 5.0 ft	1.5 m / 5.0 ft	1.5 m / 5.0 ft
Factory Warranty	5 Years	5 Years	5 Years
CORDLESS FEATURES			
Wireless Technology (STAR / Bluetooth)	-	-	-
Wireless Range - Travel Distance from Base	-	-	-
Batch Mode Capability	-	-	-
Battery Type	-	-	-
Battery Life - Scans Between Charge	-	-	-
Scan While Charging	-	-	-

RIDA™ FAMILY	QUICKSCAN™ FAMILY			

RIDA	21XX	22XX	24XX	25XX
The DBT6400 is a cordless area imager with Bluetooth® technology in a pocket-sized form factor. Available in a Standard or Healthcare model.	The QuickScan 21XX series is a linear imager featuring an extra-wide field of view for reading long bar codes. Available in Desk, Bluetooth® and Mobile (STAR radio) versions.	The QuickScan QD2200 imager is the 1D entry-level corded imager with a superior scanning performance in its category. It provides full control to the operator, from the linear aiming to the most prompt visual and audible good-read feedback.	The QuickScan 24XX series are 2D area imagers with a distinctive illumination and aiming system. Available in Desk, Bluetooth® and Mobile (STAR radio) versions.	The QuickScan 25XX series are 2D area imagers providing best-in-class reading performance and snappiness, high reliability and full guidance with extreme precision aiming system.
X	X	X	X	X
-	X	-	-	X
-	-	-	X	X
X	-	X	-	X
Area Imager	Linear Imager	Linear Imager	Area Imager	Area Imager
Instinctive	Instinctive	Instinctive	Instinctive	Instinctive
4-Dot Aimer	Scan Line	Scan Line	Two Blue Triangles	Two Blue-LED Triangles
-	X	X	-	-
USB (with BC6020 only)	RS-232 / USB / Keyboard Wedge / OEM (IBM) USB	USB / USB-C	RS-232 / USB / Keyboard Wedge / OEM (IBM) USB	RS232 / USB / USB-C / Keyboard Wedge
1D and 2D	1D	1D	1D and 2D	1D and 2D
-	-	-	-	-
-	-	-	-	X
X	-	-	-	X
X	X	X	X	X
X	X	X	X	X
IP52	IP42	IP42	IP42	IP52
1.5 m / 5.0 ft	1.5 m / 5.0 ft	1.5 m / 5.0 ft	1.5 m / 5.0 ft	1.5 m / 5.0 ft
3 Years	QD2131: 5 Years QBT2131: 3 Years QM2131: 3 Years	5 Years	QD2430: 5 Years QBT2430: 3 Years QM2430: 3 Years	5 Years
Bluetooth® 4.0	Bluetooth® 3.0 Class 2 STAR 2.0: 433 MHz	-	Bluetooth® 3.0 Class 2 STAR 2.0: 433 MHz	Bluetooth® 5.0 Class 1 STAR 2.0: 433 MHz
25.0 m / 82.0 ft	25.0 m / 82.0 ft	-	25.0 m / 82.0 ft	BT: Up to 50.0 m / 164 ft STAR: Up to 30.0 m / 98 ft
X	500 + Linear Codes	-	500 + Linear Codes	10,000+ Linear Codes
Li-Ion 700 mAh	Li-Ion 1400 mAh	-	Li-Ion 1400 mAh	Li-Ion 3250 mAh
	30,000 +	-	30,000 +	115,000+
	QBT2131, QM2131	-	QBT2430, QM2430	QBT2500, QM2500

GENERAL PURPOSE HANDHELD READERS

GRYPHON FAMILY

	42XX	45XX
	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.
APPLICATIONS		
Retail	X	X
Manufacturing	X	X
Transportation & Logistics	X	X
Healthcare	X	X
FEATURES		
Reading Technology	Linear Imager	Area Imager
Reading Range	Distance	Distance
Aiming System	Soft line viewfinder	4-Dot/Center Cross Aimer
Wide Scan Angle	-	-
Host Interface	USB type C / USB / RS-232 / Keyboard Wedge / IBM46XX available with accessory cable	RS-232 / USB / Keyboard Wedge / IBM46XX available with accessory cable
DATA CAPTURE		
Barcodes	1D	1D, 2D and Dotcode
Direct Part Marked (DPM) Codes	-	-
Digital Watermarks	-	X
Image Capture	-	X
Reads from Smartphone or screen displays	X	X
Datalogic's 'Green Spot' Technology	X	X
RUGGEDNESS / DURABILITY		
IP Rating (Particulate and Liquid Sealing)	IP52	IP52
Drop to Concrete	1.8 m / 5.9 ft	1.8 m / 5.9 ft
Factory Warranty	GD4200: 5 Years GBT4200, GM4200: 3 Years	GD4500: 5 Years; GBT4500, GM4500: 3 Years
CORDLESS FEATURES		
Wireless Technology (STAR / Bluetooth)	Bluetooth® 4.0 STAR: 433 or 910 MHz	Bluetooth® 4.0 STAR: 433 or 910 MHz
Wireless Range - Travel Distance from Base	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
Display / Keypad for 2-Way Communication	-	-
Batch Mode Capability	X	X
Battery Type	Li-Ion 2550 mAh	Li-Ion 3250 mAh
Battery Life - Scans Between Charge	GBT, GM: 80,000+	GBT, GM: 80,000+
Scan While Charging	GBT, GM with WLC4090 base station	GBT, GM with WLC4090 base station

WEARABLE SCANNERS	INDUSTRIAL HANDHELD READERS		
HANDSCANNER™	POWERSCAN™ FAMILY		POWERSCAN™ 9600

NEW

HANDSCANNER™	91XX	95XX DPM	96XX
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	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.	The PowerScan 95XX DPM area imagers include omnidirectional reading for lite DPM applications. Available in Desk, Bluetooth®, and Mobile (STAR radio).	The PowerScan 96XX imagers have a center of gravity ultra-rugged design. Standard Range (SR) and High Performance (HP) are ideal for standard and high resolution codes. The Auto Range (AR) series is perfect for Extra-Long Range capabilities while the DPX series is suitable for Direct Part Marking applications. PowerScan 9600 scanners are available in Desk and Cordles with Datalogic's STAR Cordless System™ 2.0, and Bluetooth BT 5.0.
X	X	-	X
X	X	X	X
X	X	-	X
X	-	X	X
Area Imager	Linear Imager	Area Imager	Area Imager
Instinctive / Distance	Distance	Instinctive / Distance Auto Range DPM Models: Contact / Instinctive	Instinctive / Distance Auto Range DPM Models: Contact / Instinctive
Dot led or Cross laser	Laser-like Line	Frame Aimer/Center Cross	SR and HP: Center Cross DC: Frame Aimer / Center Cross AR and DPX: Center Dot
-	-	X	X
Bluetooth HID, USB Serial Port	RS-232 / USB / Keyboard Wedge / Ethernet / Industrial Fieldbus	RS-232 / USB / Keyboard Wedge / Ethernet / Industrial Fieldbus	RS-232 / USB /Ethernet and Industrial Protocols
1D and 2D	1D	1D and 2D	1D, 2D and Dotcode
X	-	DPM model	DPX model
-	-	-	X
X	-	X	X
X	X	X	X
-	X	X	X
Water and dust resistant	IP65	IP65	IP65 and IP67
Multiple drops from 2m	2.0 m / 6.6 ft	2.0 m / 6.6 ft	2.5 m / 8.2 ft
1 Year	3 Years	3 Years	3 Years
Bluetooth Low Energy 4.0	Bluetooth® 3.0 STAR: 433 or 910 MHz	Bluetooth® 3.0 STAR 2.0: 433 or 910 MHz	Bluetooth® 5.0 STAR 2.0: 433 or 910 MHz STAR 2.0 433 MHz (AR and DPX models)
Using generic host device: Up to: 40 m (131 ft) Using HandScanner Gateway: Up to: 70 m (230 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	433: Up to 150 m / 492 ft 910: Up to 230 m / 754 ft
-	PM9100	PM9500	PM9600
-	X	X	X
Li-Ion 670 mAh	Li-Ion 3350 mAh	Li-Ion 3350 mAh	Li-Ion 3350 mAh
10.000	PBT: 80,000 + / PM: 60,000 +	60,000 +	80,000
-	-	-	-

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