Р   -
DH, Gryphon, PowerScan, QuickScan

Технические характеристики

DH-MV-RH7B00MG000E

OVERVIEW

- CMOS serialized products with high-speed acquisition and excellent images;
- Build-in deep learning algorithm, efficient and powerful algorithm performances
- Support software trigger/ hardware trigger/ free run mode etc.;
- Gigabit Ethernet interface, providing 1Gbps bandwidth;
- Abundant I/O interfaces, 1x RS232,1x Opto-isolated input,3x Opto-isolated output;
- Industrial-grade M12 connector, IP67;
- Support DC 24V input, adapt to industrial voltage environment;
- Abundant code reading types , including CODE128/EAN/CODE39/CODE93/CODEBAR/ITF25/DM/QR etc.;

TECHNICAL SPECIFICATION

Basic	
Certifications	CE，FCC
Function	Abundant code reading types(1D: CODE128/EAN/CODE39/CODE93/CODEBAR/ITF25, etc; 2D: DM/QR etc.
Lens Mount	C-Mount
Max. Frame rate	15fps
Model	DH-MV-RH7B00MG000E
Mono/Color	Mono
Pixel Size	2.4 x 2.4
Sensor Type	1
Resolution	5440 x 3648
Series	7000
Shutter Mode	Rolling
Software	SVStudio
Trigger Mode	Support software trigger/ hardware trigger/ free run mode etc.
Port	
Communication Mode	RS232, Ethernet
Communication protocol	SDK, Serial, TCPServer, TCPClient, Profinet, Modbus TCP
Connector	Industrial-grade M12 connectors, for Ethernet and GPIO interfaces
GPIO	12-pin I/O interface, 1x RS232 interface, 1x Opto-isolated input, 3x Opto-isolated output,

LED Indicator	Power indicator, Network indicator, Trigger display indicator
Network Port	Code-A, Gigabit Ethernet

Performance

FoV	NA
Focal Length	NA
Focus Control	NA
Light Source type	NA
Max. Read Speed	90 pcs/s
Max. Speed	NA
Min. Resolution	NA
Operating Distance	NA

Environment

Operating Humidity	20% ~ 95%, Non condensing
Operating Temperature	-20°C ~ +50°C
Storage Temperature	-30°C ~ +70°C

Structure

Package Weight	NA
Packaging Dimensions	NA
Product Dimensions	117mm x 69mm x 43mm (not including lens mount and rear case connector)
Protection	IP67 (with the proper lens cover installed correctly)
Weight	< 550g

Power

Power Consumption	< 8.0W@DC24V (build-in illumination not included)
Power Supply	Support DC 24V input, adapt to industrial voltage environment;

DH-SL2460R-S2E

OVERVIEW

- Simple installation, easy operation;
- The maximum transmission distance of Gigabit Ethernet interface can reach 100m;
- Support software trigger / external trigger / free run and other trigger modes;
- Rich IO interface;
- C-mount lens support;
- Integrated cable, Application environment of DC24V;
- Built in code reading algorithm, High recognition rate of algorithm, High speed;
- 24 high brightness Cree LED lamps with overall brightness greater than 5500lux, Even light;
- Comply with CE certification.

TECHNICAL SPECIFICATION

Basic	
Certifications	CE，FCC
Function	Abundant code reading types(1D: CODE128/EAN/CODE39/CODE93/CODEBAR/ITF25, etc; 2D: DM/QR etc.
Lens Mount	C-Mount
Max. Frame rate	30
Model	DH-SL2460R-S2E
Mono/Color	Mono
Pixel Size	2.4 x 2.4
Resolution	3072 x 2048
Sensor Type	1/1.8"，CMOS
Series	5000
Shutter Mode	Rolling
Software	SVStudio
Trigger Mode	Software trigger/Hardware trigger/Free run mode
Port	
Communication Mode	Ethernet,RS232
Communication protocol	SDK，Serial，TCPServer，TCPClient
Connector	Integrated cable，Gige、GPIO、USB2.0、VGA

GPIO	Support 1 isolated input, 1 isolated output
LED Indicator	NA
Network Port	Gigabit Ethernet

Performance	
FoV	660mm x 440mm
Focal Length	12mm
Focus Control	Manual focus
Light Source type	White Led
Max. Read Speed	NA
Max. Speed	2m/s
Min. Resolution	NA
Operating Distance	1070mm

Environment	
Operating Humidity	20% ~ 95%, Non condensing
Operating Temperature	-20°C ~ +50°C
Storage Temperature	-30°C ~ +80°C

Structure	
Package Weight	< 1900g
Packaging Dimensions	279mm×221mm×220mm
Product Dimensions	154.5mm×154.5mm×128mm
Protection	NA
Weight	< 1500g

Power	
Power Consumption	≤15.8W
Power Supply	DC24V

Gryphon 4200 Series

OVERVIEW

ENHANCED LINEAR IMAGING TECHNOLOGY

The Gryphon 4200 series represents the premium range of handheld scanners from Datalogic for value added applications. The Gryphon 4200 linear imagers stand out with unchallenged ergonomics and outstanding reading performance. The Gryphon 4200 readers' ability to capture bar codes from near to far, to read both high-density and low resolution codes, to decode hard-to-read, poorly printed or damaged codes and to easily read bar codes from mobile devices make these imagers the perfect choice for today's applications

EASY TO USE FOR MAXIMUM EFFICIENCY

The Gryphon 4200 scanners utilize Datalogic's Motionix™ technology to automatically switch into the 'ready-to-read' scanning mode and to activate the distinctive 'soft line viewfinder' which helps the operator to easily target the code to be read. The Datalogic's 'Green Spot' for good-read feedback directly on the code is ideal under dim lighting conditions or noisy environments

READY TO BE REGULARLY CLEANED AND DISINFECTED

Most working environments now have requirements that scanners need to be regularly cleaned and disinfected. The Gryphon 4200 series utilizes Disinfectant-Ready enclosures, designed to withstand regular daily cleaning with harsh disinfectant solutions commonly used in a healthcare environment.

WIRELESS COMMUNICATIONS AND WIRELESS CHARGING

Featuring Bluetooth® wireless technology (GBT models) or narrow band radio communications with Datalogic's STAR Cordless System™ (GM models), the Gryphon 4200 wireless imagers provide maximum flexibility to solve any end user application with the best technical solution. One of the most important technical innovations that the Gryphon 4200 wireless scanners achieve is the battery recharge through an inductive charging system, lowering the total cost of ownership because it eliminates the need for contacts' cleaning and maintenance procedures. The maximum reliability offered by the wireless charging technology means 24/7 activities with no stops for maintenance or repair and top level operating productivity and performance.

APPLICATIONS

Retail

Point of Sale

Commercial Services

• Post offices
• Bank offices
• Public Administration
• Utilities

Light Manufacturing

• Work-in-Progress

• Order Processing

Healthcare

• Laboratories

• Pharmacies

TECHNICAL SPECIFICATION

CORDLESS COMMUNICATIONS	
Gryphon GBT4200	Bluetooth Wireless Technology: Piconet: Max. Readers per Radio Receiver: 7 Profiles: SPP (Serial Port Profile); Protocol: Bluetooth 4.0 Certified Class 1, Class 2 and Class 3; Radio Frequency: 2.4 GHz Radio Range (Open Air): 100.0 m / 328.0 ft; Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results. Security: Data Encryption; Scanner Authentication
Gryphon GM4200	Datalogic STAR Cordless System: Effective Radiated Power: 433.92 MHz: < 6.3 mW; 910 MHz: < 50 mW; Multi-Point Configuration: Max. Readers per Radio Receiver: 16; Point-to-Point Configuration; Radio Frequency: 433.92 MHz; 910 MHz; Two Way Communications Radio Range (Open Air): 50.0 m / 164.0 ft
DECODING CAPABILITY	
1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
CORDLESS MODELS ELECTRICAL	
Battery	Battery Type: Lithium-Ion: 2550 mAh Charge Time: External Power: 4 Hours @ 12 VDC; Reads per Charge: 80,000
Drop Resistance	Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface.
Cradle Indicator LEDs	Battery Charging (flashing orange); Charge Completed (steady green)
Current	Charging (with WLC4190): < 1200 mA (Maximum); Scanner only: Max 750 mA (from battery) Cradle only: (WLC4190): 80 mA @ 5 V (Operative)
Input Voltage (Cradle)	4.5 – 14 VDC +/- 5% (WLC4190 / WLC4090)
CORDED MODELS ELECTRICAL	
Current	Operating (Typical): <350 mA @ 5V; <150 mA @ 12V Standby / Idle (Typical): <60 mA @ 5V; <30 mA @ 12V
Input Voltage	GD4220: 5 VDC +/- 5%; GD4290: 4.5 – 14.0 VDC
ENVIRONMENTAL	
Ambient Light	0 – 130,000 lux
Drop Resistance	Withstands repeated drops from 1.8 m / 6.0 ft onto a concrete surface
ESD Protection (Air Discharge)	16 kV
Humidity (Non-Condensing)	0 – 95%
Particulate and Water Sealing	IP52
Temperature	Operating: -10 to 50 ºC / 14 to 122 ºF Storage: -20 to 70 ºC / -4 to 158 ºF
INTERFACES	
Interfaces	CORDLESS MODELS: WLC4190: USB Type C / USB / RS-232 / Keyboard Wedge Multi-Interface WLC4090: USB / RS-232 / Keyboard Wedge MultiInterface CORDED MODELS: GD4220: USB type C / USB only GD4290: USB type C / USB / RS-232 / Keyboard Wedge Multi- Interface
PHYSICAL CHARACTERISTICS	
Colors Available	Black, White
Dimensions	16.6 x 6.8 x 10.9 cm / 6.5 x 2.7 x 4.3 in (corded/cordless models)
Weight	163.0 g / 5.75 oz (corded models) 235 g / 8.29 oz (cordless models, battery included)
READING PERFORMANCE	
Imager Sensor	CCD Solid-State
Light Source	Illumination: Dual LED Array 612 – 630 nm

Read Rate (Maximum)	1,000,000 pixels/sec (400 reads/sec)
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 65°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 65°
Reading Indicators	Beeper (adjustable tone); Datalogic Three Green Lights (3GL) Good Read Feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
Resolution (Maximum)	0.077 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. Code 39: 5 mils: 5.0 to 37 cm / 2.0 to 14.6 in Code 39: 7.5 mils: 5.0 to 54 cm / 2.0 to 21.3 in Code 39: 10 mils: 5.0 to 73.5 cm / 2.0 to 28.9 in Code 39: 20 mils: 2.5 to 147 cm / 1 to 57.9 in EAN/UPC: 13 mils: 3.5 to 90 cm / 1.4 to 35.4 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.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS
LED Classification	Exempt group according to IEC 62471
UTILITIES	
Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	JavaPOS and OPOS Utilities are available for download at no charge
Remote Host Download	Lowers service costs and improves operations
WARRANTY	
Warranty	5-Year Factory Warranty (corded models) 3-Year Factory Warranty (cordless models)

PowerScan 9100 Series

OVERVIEW

NEW TECHNOLOGY COMBINED WITH PRODUCT RELIABILITY

The PowerScan 9100 series of scanners has expanded with new technology that provides an innovative laser-like green scanning line that implements the definition of a laser and the benefits of a linear imager. The 9100 series includes a corded version (PD9130), a cordless version featuring Bluetooth® wireless technology (PBT9100) and a cordless version featuring Datalogic's STAR Cordless System™ 2.0, a proprietary narrow band radio system (PM9100).

BUILT TO LAST

The PowerScan 9100 series has been tested to withstand extreme environmental conditions and is suitable for the most rugged and demanding settings. A built-in tether hook for the cordless models can be suspended in the workplace, ensuring workplace productivity. A quick 3-second battery replacement combined with a single or multi-slot battery charger allows for continuous operation without interruption (cordless models).

ONE PRODUCT FOR MULTIPLE APPLICATIONS

All models have multi-interface capabilities: RS-232, Keyboard Wedge, and USB. The 9100 series is fully supported by Datalogic's Aladdin™ configuration program which provides a user-friendly interface for the start-up procedure and device programming. The 9100 series also feature Datalogic's exclusive 3GL™ (3 Green Lights) for superior good-read feedback.

The PowerScan 9100 series all share the same features with outstanding reliability and reading performance on 1D codes.

The cordless PBT9100 and PM9100 scanners can also be mounted on a forklift with a Vehicle Mount Terminal (VMT) providing a complete solution for industrial warehouse applications.

CONFIGURABLE TO FIT ALL APPLICATIONS

Based on Bluetooth 3.0 standard wireless technology, the PowerScan PBT9100 scanner can be configured to be Class 1 or Class 2 compliant. The scanner can be connected through the receiving base station to the host with a wide choice of interfaces or by connecting the scanner directly to any commercial or embedded Bluetooth compliant device.

The PowerScan PM9100 series includes different models to satisfy customers' needs; it is available in a basic cordless model and in two different models with a display and 4- or 16-key keypads.

APPLICATIONS

Manufacturing Shop Floor

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

Warehouse and Logistic Centers

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

TECHNICAL SPECIFICATION

WIRELESS COMMUNICATIONS	
PBT9100	Bluetooth Wireless Technology Maximum number of devices per base station: 7; Profiles: HID (Human Interface Device), SPP (Serial Port Profile); Protocol: Bluetooth 3.0 Certified Class 1; Radio Frequency: 2.40 to 2.48 GHz; Radio Range (Open Air): Class 1: up to 100 m / 328 ft; Security: Data Encryption; Scanner Authentication
PM9100	Datalogic STAR Cordless System Point-to-Point Configuration; Multi-Point Configuration: Max. Readers per Radio receiver: 16; Radio Frequency: 433 MHz, 910 MHz; Radio Range (Open Air): 433 MHz: 50 m / 164 ft at 500 KB/s; 100 m / 328 ft at 19.2 KB/s; 910 MHz: 50 m / 164 ft at 500 KB/s; 400 m / 1,312 ft at 36.8 KB/s, frequency hopping 50 m / 164 ft at 36.8 KB/s, fixed channel; Seamless Roaming; Two Way Communications
DECODING CAPABILITY	
9100 Series	GS1 DataBar™ linear codes, UPC/EAN, UPC/EAN P2/P5 add ons, UPC/EAN Coupons, ISBN, Code 128, EAN 128, Code 39, Code 39 Full ASCII, Code 39 CIP, Code 32, Codabar, Interleaved 2 of 5, IATA, Industrial 2 of 5, Standard 2 of 5, Code 11, MSI, Plessey, Code 93, Follet 2/5, Code 4, Code 5, Datalogic 2 of 5, Codablock F
ELECTRICAL	
PBT9100 / PM9100	Battery: Li-Ion 3350 mA; Reads per Charge: 60,000+ (continuous reading); Charge Time External Power: 4.5 Hours; Host Power: 10 Hours; Cradle Indicator LEDs: Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow); Current: Operating (Typical): External Power: Max. 10 W (charging); POT: Max. 500 mA (charging); Input Voltage: External Power: 10-30 VDC; POT: 5 VDC +/- 10%
PD9100	Current: Operating (Typical): PD9130: 440 mA @ 4.5 V; 380 mA @ 5 V; 75 mA @30 V; Input Voltage: 4.5 − 30 VDC
ENVIRONMENTAL	
Ambient Light	Immune to light exposure in offices/facilities and direct exposure to sunlight
Drop Resistance	Withstands 50 drops from 2.0 m / 6.6 ft to concret
ESD Protection (Air Discharge)	20 kV
Humidity (Non-Condensing)	0 − 95%
Particulate and Water Sealing	IP65
Temperature	Operating: -20 to 50 ℃ / -4 to 122 ℉ Storage/Transport: -40 to 70 ℃ / -40 to 158 ℉
CORDED MODELS ELECTRICAL	
Current	Operating (Typical): <350 mA @ 5V; <150 mA @ 12V Standby / Idle (Typical): <60 mA @ 5V; <30 mA @ 12V
Input Voltage	GD4220: 5 VDC +/- 5%; GD4290: 4.5 − 14.0 VDC
INTERFACES	
Interfaces	Keyboard Wedge, RS-232; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)
PHYSICAL CHARACTERISTICS	
Colors Available	Yellow/Black; Other colors and custom logo options are available for minimum quantity purchase
Dimensions	Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in; All Models: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in)
Display (PM9100)	PM9100-D, PM9100-DK: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels
Keyboard (PM9100))	PM9100-D: 4 Configurable Keys PM9100-DK: 16 Configurable Keys
Weight	PD9100: 340.0 g / 11.9 oz PM9100-XX/ PBT9100-XX: 405.0 g / 14.2 oz PM9100-DXX / PM9100-DKXX: 435.0 g / 15.3 oz
READING PERFORMANCE	

Light Source	Green LED
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 75°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 70°
Reading Indicators	Beeper; Datalogic Three Green Lights (3GL™) Good-read Feedback: Datalogic 'Green Spot' on the Code, Dual Good-read LEDs
Resolution (Maximum)	2.5 mils
READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast and ambient light dependent.
Code 39	Code 39 5 mils: 3.0 to 32.0 cm / 1.2 to 12.6 in 7.5 mils: 2.0 to 48.0 cm / 0.8 to 18.9 in 10 mils: 2.0 to 66.0 cm / 0.8 to 26.0 in 20 mils: 3.0 to 110.0 cm / 1.2 to 43.3 in 40 mils: 3.0 to 230.0 cm / 1.2 to 90.6 in EAN 13 2.0 to 61.0 cm / 1.2 to 24.0 in Note: Reading performances may change with different symbologies
SAFETY & REGULATORY	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS
LED Classification	Product compliant according to IEC 62471
UTILITIES	
Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge
OPOS / JavaPOS	OPOS and JavaPOS utilities are available for download at no charge.
Remote Host Download	Available on request
WARRANTY	
Warranty	3-Year Factory Warranty (corded models)

Powerscan 9300 Series

OVERVIEW

BUILT TO LAST

PowerScan™ bar code readers are the ultimate industrial handheld devices, designed and constructed to withstand the toughest environmental conditions in demanding applications, offering lasting performance and outstanding reliability combined with exceptional reading performance and accuracy.

The PowerScan™ PBT9300 series is a Laser Auto Range (AR) scanner with extra-long reading range capabilities for reading linear codes. This laser scanner features standard Bluetooth® wireless technology combined with the outstanding reliability and reading performance found in all PowerScan products.

SIMPLE TO USE AND DEPLOY

Based on Bluetooth 3.0 standard wireless technology, Class 1 Range (in open air); up to 100 m / 328 ft. Connectivity is implemented through the receiving base station, which communicates to the host through a choice of interfaces (Serial, USB or Keyboard Wedge) or by connecting the scanner directly to any commercial or embedded Bluetooth compliant device, or via Ethernet by using the BC9180-BT base/charger using Standard Ethernet and Industrial Ethernet protocols (Ethernet IP and Modbus).

WIDE READING CAPABILITY

The PowerScan PBT9300 scanner mounted on a forklift with a Vehicle Mount Terminal (VMT) provides an excellent solution for warehouse applications.

The PowerScan PBT9300 laser scanner is available in two different optics: Standard Range (SR) or Auto Range (AR) for reading distances up to 11.5 m / 37.0 ft on reflective codes.

APPLICATIONS

Warehouse and Distribution Centers:
Shipping and Receiving, Order Processing, Parcel Preparation, Pallet Tracking and Putaway

Manufacturing / Shop Floor
Work in Progress, Component Tracking, Quality Control and Inventory

TECHNICAL SPECIFICATION

CORDLESS COMMUNICATIONS	
Bluetooth Wireless Technology	Maximum number of devices per base station: 7
Profiles	HID (Human Interface Device) SPP (Serial Port Profile)
Protocol	Bluetooth 3.0 Certified Class 1
Radio Frequency	2.40 to 2.48 GHz

Radio Range (Open Air)	Class 1: up to 100 m / 328 ft Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results
Security	Data Encryption; Scanner Authentication

DECODING CAPABILITY	
PBT9300-ARXX	GS1 DataBar™ linear codes, UPC/EAN, UPC/EAN P2/ P5 add ons, UPC/EAN Coupons, ISBN, Code 128, EAN 128, Code 39, Code 39 Full ASCII, Code 32, Codabar, Interleaved 2 of 5, Standard 2 of 5, MSI, Code 93

ELECTRICAL	
Battery	Li-Ion 3350 mAh; Charge Time: External Power: 4.5 Hours; Host Power: 10 Hours;
Reads Per Charge	40,000+ (continuous reading)
Cradle Indicator LEDs	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
Current	Operating (Typical): External Power: Max. 10 W (charging); POT: Max. 500 mA (charging)
Input Voltage	External: 10 – 30 VDC; POT: 5 VDC +/- 10%

ENVIRONMENTAL	
Ambient Light	Immune to light exposure in offices/facilities and direct exposure to sunlight
Drop Resistance	Withstands 50 drops from 2.0 m / 6.5 ft onto a concrete surface
ESD Protection (Air Discharge)	20 kV
Humidity (Non-Condensing)	0 – 95%
Particulate and Water Sealing	IP65
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES	
Interfaces	Keyboard Wedge RS-232; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)

PHYSICAL CHARACTERISTICS	
Dimensions	Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PBT9300-AR: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
Weight	Cradle: 380.0 g / 13.4 oz; PBT9300-ARXX: 435.0 g / 15.3 oz

READING PERFORMANCE	
Light Source	630 – 680 nm VLD
Print Contrast Ratio (Minimum)	25%
Reading Angle	PBT9300-ARXX: Pitch: 60°; Roll (Tilt): +/- 10°; Skew (Yaw): +/- 65°
Reading Indicators	Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs; Good Transmission
Resolution (Maximum)	PBT93X0 Auto Range: 0.190 mm / 7.5 mils

READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast and ambient light dependent.
PBT9300 AR: Code 39	7.5 mils: 9.0 to 50.0 cm / 3.5 to 19.7 in 10 mils: 14.0 to 85.0 cm / 5.5 to 33.5 in 15 mils: 15.0 to 155.0 cm / 5.9 to 61.0 in 20 mils: 15.0 to 220.0 cm / 5.9 to 86.6 in 40 mils: 20.0 to 340.0 cm / 7.9 to 133.9 in 55 mils: 25.0 to 420.0 cm / 9.8 to 165.4 in Reflective Labels: Code 39: 70 mils: up to 9.0 m / 29.0 ft 100 mils: up to 11.5 m / 37 ft Note: Reading Performances may change with different symbologies

SAFETY & REGULATORY	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS
Laser Classification	Caution Laser Radiation – Do not stare into beam; CDRH Class II; IEC 60825-1 Class 2

UTILITIES	

Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	OPOS and JavaPOS utilities are available for download at no charge.
Remote Host Download	Available on request
WARRANTY	
Warranty	3-Year Factory Warranty (corded models) 3-Year Factory Warranty (cordless models)

PowerScan 9500 Series

OVERVIEW

AIM, TRIGGER, DECODE: IT'S THAT SIMPLE!

An intuitive and effortless scanning experience is the target of the PowerScan™ 9501 series. They combine omnidirectional reading capabilities with outstanding optical characteristics. The result is a scanner that is able to read any kind of bar code, regardless of the orientation, from contact to over 1.0 m / 3.3 ft, depending on the bar code resolution. In addition, Datalogic's latest decoding software guarantees snappy reading in any type of environment.

MOBILITY ENHANCES PRODUCTIVITY

The Datalogic STAR Cordless System™ for narrow-band radio communications was developed specifically to maximize efficiency and reliability for handheld scanner data collection applications. The PowerScan PM9501 models are equipped with a new generation of the STAR-System that further improves the already outstanding features of versatility, ease of use and radio range.

The PM9501 series offers two display options: 4 configurable keys and a full 16-key keyboard. This increases interaction between the host and the user allowing a two-way exchange of information for more reliable and effective communications.
The BC9180 base/charger also includes in one model two different Ethernet connections: Standard Ethernet and Industrial Ethernet protocols such as Ethernet IP and Modbus.

DEVELOPED WITH THE USER IN MIND

Handle shape, well-balanced weight and an intuitive aiming system allows high first-pass reading rates while reducing unnatural wrist movements for improved ergonomics and user comfort.

The PowerScan 9501 area imagers use a soft-pulsed white
illumination light that is very gentle on the eyes and less troublesome to the operator during scan-intensive applications.

APPLICATIONS

Entertainment

- Access Control
- Mobile Coupons
- Ticket Validation
- Security / Age Verification
- Lottery

Manufacturing Shop Floor

- Work-in-Progress
- Sub-Assembly
- Component Tracking
- Quality Control
- Time and Cost Analysis
- Machine Replenishment /Configuration
- Line Inventory Control

Warehouse and Logistic Centers

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

TECHNICAL SPECIFICATION

CORDLESS COMMUNICATIONS	
Datalogic STAR Cordless System™	Effective Radiated Power: 433 MHz: <10 mW; 910 MHz: <50 mW Point-to-Point Configuration Multi-Point Configuration: Max. Readers per Radio Receiver: 16
Radio Frequency	433 MHz; 910 MHz
Radio Range (Open Air)	433 MHz: 120 m / 393 ft low speed; 50 m / 164 ft high speed 910 MHz: 220 m / 721 ft low speed; Frequency hopping 170 m / 558 ft high speed Seamless Roaming; Two Way Communications
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;
Postal Codes	Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post;
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	
Battery	Lithium-Ion 3350 mAh Charge Time: External Power: 4.5 Hours; Host Power: 10 Hours
Reads Per Charge	Continuous Reading: 60,000+ (typical @ 25 °C)
Cradle Indicator LEDs	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
Cradle Consumption and DC Input Supply Range	Volt 10-30 VDC; Power <8W*; Max 500mA when in host/bus powered mode* *Typical input current measured under factory default configuration.
Operating (Typical)	150 mA @ 10 VDC
Input Voltage	External Power: 10-30 VDC; POT: 5 VDC +/- 10%
ENVIRONMENTAL	
Ambient Light	0 – 100,000 lux
Drop Resistance	Cradle: Withstands 50 drops from 1.2 m / 3.9 ft onto a concrete surface PM9501: Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface
ESD Protection (Air Discharge)	20 kV
Humidity (Non-Condensing)	95%
Particulate and Water Sealing	IP65
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Battery Charging: 0 to 45 °C / 32 to 113 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F
INTERFACES	
Interfaces	Keyboard Wedge; RS-232; RS-485; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)
PHYSICAL CHARACTERISTICS	
Colors Available	Yellow/Black
Dimensions	Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PM9501: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
Display	PM9501-D, PM9501-DK: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels
Keypad	PM9501-D: 4 Configurable Keys PM9501-DK: 16 Configurable Keys
Weight	PM9501-XX, PM9501-HPXX, 400 g / 14.1 oz PM9501-DXX, PM9501-DHPXX: 440 g / 15.5 oz PM9501-DKXX, PM9501-DKHPXX: 445 g / 15.7 oz
READING PERFORMANCE	

Imager Sensor	PM9501: 864 x 544; PM9501-HP: 1280 x 1024
Light Source	Aiming: 630 – 680 nm VLD; Illumination: White LEDs
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 40º; Roll (Tilt): 360º; Skew (Yaw): +/- 40º
Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ (Three Green Lights) technology and loud beeperfor good-read feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
Resolution (Maximum)	PM9501: 1D Codes: 4 mil; 2D Codes: 7.5 mil PM9501-HP: 1D Codes: 2.5 mil; 2D Codes: 4 mil
READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle; Printing resolution, contrast, and ambient light dependent.
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; Complies to R.E.A.C.H.
Laser Classification	Caution Laser Radiation – Do not stare into beam CDRH Class II: IEC 60825 Class 2
LED Classification	IEC 62471 Class 1 LED
UTILITIES	
Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	OPOS and JavaPOS Utilities are available for download at no charge.
Remote Host Download	Available on request
WARRANTY	
Warranty	3-Year Factory Warranty (corded models)

QuickScan 2100 Series

OVERVIEW

LINEAR DECODING

Today there is an increased trend towards 2D bar codes, however, linear bar codes are still dominant in the automatic data capture industry. Long bar codes are commonly used in a variety of applications including utilities bills, document processing and packaging. These long codes are a challenge for full area imagers to read due to their narrow field of view and shorter depth of field.

ENHANCED PERFORMANCE

The QuickScan 2131 imager's extra-wide field of view and extra-long scan line makes reading long bar codes in closer distances much easier. The sharp and highly visible scan line makes the scanner more user-friendly to use, while the enhanced depth of field enables bar codes to be read at an intuitive distance. The stylish design is the signature of the QuickScan series, completing a consistent family appearance.

CORDLESS FEATURES

Narrow band radio communications with Datalogic's STAR Cordless System™ (QM2131) or Bluetooth® wireless technology (QBT2131) are the keys to increased productivity and flexibility in the workplace.

An innovative, long lasting and user replaceable Li-Ion battery package allows the simultaneous replacement of battery and scanner contacts for a refresh of the most significant parts related to a mobile product's functionality.

A microUSB port on the scanner foot allows an auxiliary method for battery recharging and host download configuration, and also allows the product to be used without the cradle.

APPLICATIONS

Retail :

• Point of Sale Checkout • Shelf Replenishment
• Goods Receiving • Inventory

Commercial Services:

• Banks • Public Administration
• Utilities

TECHNICAL SPECIFICATION

WIRELESS COMMUNICATIONS	
Datalogic STAR2.0 Cordless System	Effective Radiated Power: 433.92 MHz; Point-to-Point Configuration; Radio Frequency: 433 MHz Radio Range (Open Air): 25 m / 82 f
Bluetooth Wireless Technology	Piconet: Max. Readers per Radio Receiver Using Commercial Dongle: 7; Using Cradle: 1 Profiles: HID (Human Interface Device) SPP (Serial Port Profile) Protocol: Bluetooth 3.0 Certified Class 2 Radio Frequency: 2.4 GHz; Radio Range (Open Air): 25 m / 82 ft; Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results. Security: Data Encryption; Scanner Authentication
DECODING CAPABILITY	
1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
ELECTRICAL	
Battery	Battery Type: Lithium-Ion 1400 mAh; Charge Time: External Power: 4 hrs @ 12 VDC; Reads per Charge: 30,000 +
Input Voltage	4.75 – 14 VDC
ENVIRONMENTAL	
Ambient Light	0 – 120,000 lux
Drop Resistance	Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface.
ESD Protection (Air Discharge)	16 kV
Humidity (Non-Condensing)	90%
Particulate and Water Sealing	IP42
Temperature	Operating: 0 to 50 ºC / 32 to 122 ºF Storage/Transport: -40 to 70 ºC / -40 to 158 ºF
PHYSICAL CHARACTERISTICS	
Colors Available	Black, White
Dimensions	16.3 x 9.1 x 4.1 cm / 6.4 x 3.6 x 1.6 in
Weight	Bluetooth Model: Reader: 190 g / 6.7 oz Base/Charger: 221 g / 7.8 oz STAR Model: Reader: 190 g / 6.7 oz Base/Charger: 215 g / 7.6 oz
READING PERFORMANCE	
Field of View	56º +/- 2º
Light Source	Red LED 610 – 650 nm
Print Contrast (Minimum)	25%
Read Rate	400 reads / sec.
Reading Angle	Pitch: +/- 65º; Roll (Tilt): +/- 45º; Skew (Yaw): +/- 70º

Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
Resolution (Maximum)	0.102 mm / 4 mils (Linear Codes)
READING PERFORMANCE	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. 4 mils: 3.0 to 11.0 cm / 1.2 to 4.3 in 5 mils: 2.0 to 15.0 cm / 0.8 to 5.9 in 7.5 mils: 2.0 to 25.0 cm / 0.8 to 9.8 in 10 mils: 2.0 to 36.0 cm / 0.8 to 14.2 in 13 mils: 1.0 to 45.0 cm / 0.4 to 17.7 in 20 mils: 4.0 to 70.0 cm / 1.5 to 27.5 in
SAFETY & REGULATORY	
Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	OPOS and JavaPOS utilities are available for download at no charge
Remote Host Download	Lowers service costs and improves operations.
WARRANTY	
Warranty	3-Year Factory Warranty

QuickScan 2400 Series

OVERVIEW

AREA IMAGING TECHNOLOGY

The QuickScan Lite QW2400 2D area imager is an entry level scanner specifically designed for reading long and truncated 1D codes and larger 2D codes from close distance. The QW2400 imager has an extra-wide Field of View (FOV)which captures these challenging 1D and 2D codes at a nominal distance using different scan angles, meeting the scanning needs in Retail, Light Manufacturing, Document/Bill Processing and Banking /Finance. The QuickScan Lite 2D imager is the most affordable area imager with the best performance in its class

DESIGNED WITH THE USER IN MIND

The QW2400 imager is small, lightweight and its ergonomic design is comfortable to use in daily operations. It offers snappy reading performance on most commonly used 1D and 2D codes, whether printed or displayed on a mobile device. The white illumination combined with the blue aiming dot provides users with a visible and clear aiming system without irritating the user's eyes. Datalogic's patented 'Green Spot' technology provides good-read feedback in noisy environments and the internal beeper can be silenced for quiet environments

SIMPLICITY IS THE BEST

The QW2400 area imager is available in two interface options: USB or Keyboard Wedge/RS-232. Customers can purchase the scanner only or separate certified kits which include a cable and stand.

All accessories can be shared with the QW2100 linear imager, making it easier for customers to upgrade from 1D to 2D readers.

APPLICATIONS

Retail	Light Manufacturing
Document / Bill Processing	Banking / Financial Environments

TECHNICAL SPECIFICATION

DECODING CAPABILITY	
1D / Linear Codes	Auto discriminates all standard 1D codes including GS1DataBar™ linear codes.
2D Codes	Aztec Code; Aztec Mesas; Data Matrix; MaxiCode; QR Code, Micro QR Code; China Han Xin Code

Postal Codes	Australian Post; British Post; China Post; IMB; Japanese Post; KIX 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

Current	Operating (Typical): 170 mA @ 5 VDC Standby/Idle (Typical): 90 mA @ 5 VDC
Input Voltage	5 VDC +/- 10%

ENVIRONMENTAL

Ambient Light	Up to 92,000 lux
Drop Resistance	Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface.
ESD Protection (Air Discharge)	16 kV
Humidity (Non-Condensing)	0 – 95%
Particulate and Water Sealing	IP42
Temperature	Operating: 0 to 50 ºC / 32 to 122 ºF Storage/Transport: -20 to 70 ºC / -4 to 158 ºF

INTERFACES

Interfaces	QW2470-BK: RS-232/Keyboard Wedge QW2700-BK: USB

PHYSICAL CHARACTERISTICS

Colors Available	Black
Dimensions	7.1 x 17.1 x 6.6 cm / 2.8 x 6.7 x 2.6 in
Weight	120 g / 4.2 oz

READING PERFORMANCE

Image Sensor	Field of View: 48 x 37º (H x V) Wide VGA: 640 x 480 pixels
Light Source	Aiming: 1 Blue LED; Illumination: White LED 350 – 770 nm
Motion Tolerance	20 IPS
Print Contrast Ratio (Minimum)	20%
Reading Angle	Pitch: +/- 65º; Roll (Tilt): +/- 360º; Skew (Yaw): +/- 65º
Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
Resolution (Maximum)	Code 39: 4 mils: 0.102 mm PDF417: 6.6 mils: 0.168 mm QR/Data Matrix: 7.5 mils: 0.191 mm

READING RANGES

Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. Code 39: 5 mils: 0.5 to 12.5 cm / 0.2 to 4.9 in EAN/UPCA: 13 mils: 0.5 to 30.0 cm / 0.2 to 11.8 in PDF417: 6.6 mils: 1.0 to 9.5 cm / 0.4 to 3.7 in Data Matrix: 10 mils: 1.0 to 9.5 cm / 0.4 to 3.7 in QR: 20 mils: 1.0 to 14 cm / 0.4 to 5.5 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 list of certifications.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS

UTILITIES

Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	OPOS and JavaPOS utilities are available for download at no charge.
Remote Host Download	Lowers service costs and improves operations (-RM models only)

WARRANTY

Warranty	3-Year Factory Warranty

QuickScan 2500 Series

OVERVIEW

IMAGING TECHNOLOGY

The market trend towards 2D barcodes has clearly spread across the whole data capture industry. This is particularly true at Retailers' where POS check-out activities face an increased need for 2D scanning and at the same time rely on reading mobile phone displays and loyalty cards.

THE MOST PROMPT RESPONSE AT THE POS CHECK-OUT

The QuickScan 2500 2D imager is your trusted companion at the POS check-out. It knows very well the importance of prompt readings, whatever the barcode, regardless of whether it's hard-to-read, poorly printed or damaged, and it easily scans mobile devices and through plexiglass barriers, all at an incredibly affordable price.

EXTREME PRECISION CONVEYED

A sense of extreme precision is conveyed to the operator at any time, facilitating their job by clearly showing where the scanner is pointing. From the intuitive blue dot of the QW2500 model, you can even get all the extra-precision you need with the outstanding aimer of the QD2500 model, made of two blue sharply-defined triangles. Datalogic's 'Green Spot' technology then confirms the good read, perfectly centered on the barcode and between the two triangles, backed up by a powerful beeper that can be adjusted to your preferred level of sound. Overall, the soft red illumination lowers fatigue on the operator's eyes.

CUTTING-EDGE DESIGN AND FEATURES

Whenever the operator picks up the device, it switches automatically into 'handheld mode' for manual reading, thanks to Datalogic's advanced Motionix™ motion-sensing technology. A seamless transition to presentation mode is then offered by the QD2500 model and its auto-sense capability. Featuring the distinctive design and family feeling of the Datalogic general purpose offering of handheld scanners, the QuickScan 2500 series offers a choice of two colors: black and white, and a variety of stands and accessories to best fit in any in-store environment.

APPLICATIONS

Retail - Point of Sale: Check-out, Loyalty card and Electronic coupons	Commercial Services: Postal, Banks, Public Administration, Utilities
Hospitality: Ticketing (sporting events, concerts, transportation)	
Government: Lottery and gaming	Healthcare: Laboratories, Pharmacies and in-room patient care
Light Manufacturing: Work-in-progress (WIP)	

TECHNICAL SPECIFICATION

DECODING CAPABILITY

1D / Linear Codes	Auto discriminates all standard 1D codes including GS1DataBar™ linear codes.
2D Codes	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot code
Postal Codes	Australian Post; British Post; China Post; IMB; Japanese Post; KIX 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
Digital Watermarking	Digimarc Barcodes (QD2500 only)
ELECTRICAL	
Current	Operating: < 400 mA @ 5V Standby/Idle: < 90 mA @ 5V
Input Voltage	5 VDC
ENVIRONMENTAL	
Ambient Light	0 – 110,000 lux
Drop Resistance	Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface
Trigger Resistance	Withstands 10 Mhits
ESD Protection (Air Discharge)	16 kV
Humidity (Non-Condensing)	0 – 95%
Particulate and Water Sealing	IP52
Temperature	Operating: 0 to 50 ºC / 32 to 122 ºF Storage/Transport: -40 to 70 ºC / -40 to 158 ºF
INTERFACES	
Interfaces	QD2500: RS-232 / USB / Keyboard Wedge Multi-Interface QW2500: USB only interface Cable to USB-C connector is available
PHYSICAL CHARACTERISTICS	
Colors Available	QD2500: Black, White QW2500: Black
Dimensions	14.8 x 6.8 x 12.6 cm / 5.8 x 2.7 x 4.96 in
Weight	145.0 g / 5.1 oz
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
LED Classification	Illuminator Exempt group, Aiming Risk Group 1 according to IEC 62471
READING PERFORMANCE	
Image Capture	Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
Image Sensor	QD2500: 1 Megapixel (1280 x 800 pixels) QW2500: VGA (640 x 480 pixels)
Light Source	Aiming: Blue LED emission 468 nm Illumination: Red LED emission 624 nm
Motion Tolerance	30 IPS
Print Contrast Ratio (Minimum)	QD2500: minimum 15% QW2500: minimum 15% with specific configuration
Reading Angle	Pitch: +/- 65º; Roll (Tilt): 360º; Skew (Yaw): +/- 65º
Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good-read feedback on the code; Good-read LED
Resolution (Maximum)	QD2500: 1D Linear: 0.077 mm / 3 mils; PDF417: 0.077 mm / 3 mils; Data Matrix: 0.127 mm / 5 mils; QR Code: 0.17 mm / 6.7 mils QW2500: 1D Linear: 0.077 mm / 3 mils; PDF417: 0.127 mm / 5 mils; Data Matrix: 0.152 mm / 6 mils; QR Code: 0.17 mm / 6.7 mils
READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

QD2500: Code 39: 5 mils: 0.5 to 25.0 cm / 0.2 to 9.8 in Code 39: 10 mils: 0.5 to 38.0 cm / 0.2 to 14.9 in Data Matrix: 10 mils: 0.5 to 21.5 cm / 0.2 to 8.5 in EAN/UPCA: 13 mils: 0.5 to 41.0 cm / 0.2 to 16.1in PDF417: 6.7 mils: 0.5 to 21.0 cm / 0.2 to 8.3 in QR Code: 20 mils: 0 to 37.0 cm / 0 to 14.6 in **QW2500:** Code 39: 5 mils: 0.5 to 23.0 cm / 0.2 to 9.0 in Code 39: 10 mils: 0.5 to 37.0 cm / 0.2 to 14.5 in Data Matrix: 10 mils: 1.0 to 15.5 cm / 0.39 to 6.1 in EAN/UPCA: 13 mils: 1.0 to 40.0 cm / 0.39 to 15.7 in PDF417: 6.7 mils: 0.5 to 13.5 cm / 0.2 to 5.3 in QR Code: 20 mils: 1.0 to 33.0 cm / 0.39 to 12.9 in

UTILITIES	
Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge
OPOS JavaPOS	JavaPOS and OPOS Utilities are available for download at no charge
Remote Host Download	Remote Host Download lowers service costs and improves operations.
WARRANTY	
Warranty	5-Year Factory Warranty

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