QUICKSCAN™ I QBT/QM2131

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.

FEATURES

- Extra-wide scan angle and extra-long scan line
- Choice of Bluetooth wireless technology or Datalogic STAR Cordless System (radio frequency available in 433 MHz)
- Compatible with Android™ and iOS devices through the Bluetooth HID profile
- Secure radio communication, interference-free with low sensitivity to obstacles
- Sharp and highly visible scan line
- Enhanced depth of field for general purpose scanning applications
- Easy, tool-free, user-replaceable, long-lasting lithium-ion battery
- New battery package allows simultaneous change of charging contacts during battery replacement
- Alternative battery recharging through USB /microUSB cable
- Datalogic's patented 'Green Spot' technology for good-read feedback
- Batch Mode capability: +500 linear codes stored in memory
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI.

INDUSTRY – APPLICATION

- Retail:
  - Point of Sale Checkout
  - Shelf Replenishment
  - Goods Receiving
  - Inventory
- Commercial Services:
  - Banks
  - Public Administration
  - Utilities

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TECHNICAL SPECIFICATIONS

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 ft
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 °C / 32 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

Interfaces	High Speed USB 2.0 Host and Client with USB Type C connector

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	56° +/- 2°
Light Source	Red LED 610 - 650 nm
Print Contrast (Minimum)	25%
Read Rate	400 reads / sec.
Reading Angle	Pitch: +/- 65°; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 70°
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 RANGES

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

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

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.

WARRANTY

Warranty	3-Year Factory Warranty

ACCESSORIES

Mounts/Stands

STD-QD24-BK Stand, Black

STD-QD24-WH Stand, White

Miscellaneous

007100100 Direct Charging Cable