QUICKSCAN™ I QBT/QM2400

DATALOGIC

IMAGING TECHNOLOGY

The popularity of 2D bar codes has spread across all market segments of the data capture industry. Now, with more affordable pricing and virtually no drawbacks with area imaging technology, 2D bar code readers are in high demand with features such as reading from mobile phone displays or in planning ahead for future 2D codes and imaging needs.

NEW ILLUMINATION AND AIMING SYSTEM

Ideally suited for applications at the point-of-sale (POS), the QuickScan 2400 imagers features a new illumination and aiming system developed with the unique intent to reduce visual stress of the operator during the daily scanning activities. It consists of a soft, dark red illumination combined with two blue LED triangles pointing at the targeted bar code. The result is a precise aiming system which contributes to low eye fatigue, yet still allows top operator efficiency. The reader also features Datalogic's patented 'Green Spot' technology for additional good read confirmation by placing a green spot directly on the code.

CORDLESS FEATURES

Narrow band radio communications with Datalogic's STAR Cordless System™ (QM2400) or Bluetooth® wireless technology (QBT2400) 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 to allow a refresh of the most significant parts related to mobile products functionality.

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

FEATURES

- Choice of Bluetooth wireless technology or Datalogic's STAR Cordless System (radio frequency available in 433 MHz)
- Compatible with Android™ and iOS devices through the Bluetooth HID profile
- Secure radio communications, interference-free with low sensitivity to obstacles
- Easy, tool-free, user-replaceable, long-lasting Lithium-Ion battery
- Alternative battery recharging through USB /microUSB cable
- Latch mechanism secures reader in cradle providing stable mobility for use on carts
- New battery package allows simultaneous charging contacts change at battery replacement
- Reduced visual stress with LED-based aiming system
- 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:
  - Postal
  - Banks
  - Public Administration
  - Utilities

QUICKSCAN™ I QBT/QM2400

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS	
Datalolgic STAR 2.0 Cordless System	Effective Radiated Power: 433.92 MHz; Point-to-Point Configuration Radio Frequency: 433 MHz Radio Range (Open Air): 25.0 m / 82.0 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 (Open Air): 25.0 m / 82.0 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
DECODING CAPABILITY	
1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ 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; Canadian 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	
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 - 100,000 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)	5 - 95%
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	Keyboard Wedge / OEM (IBM) USB / RS-232 / USB

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 and STAR models:** Reader: 200 g / 7.1 oz Base/Charger: 230 g / 8.1 oz
READING PERFORMANCE	
Imager Sensor	Wide VGA: 752 x 480 pixels
Light Source	Aiming: 2 Blue LED's; Illumination: Red LED 610 - 650 nm
Motion Tolerance	25 IPS
Print Contrast Ratio (Minimum)	25%
Reading Angle	Pitch: +/- 65°; Roll (Tilt): 360°; Skew (Yaw): +/- 60°
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. Code 39 5 mils: 0.5 to 15.0 cm / 0.2 to 5.9 in EAN/UPCA 13 mils: 0.5 to 35.0 cm / 0.2 to 13.8 in PDF417 6.6 mils: 2.0 to 15.0 cm / 0.8 to 5.9 in Data Matrix 10 mils: 2.0 to 16.0 cm / 0.8 to 6.3 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

© 2014-2020 Datalogic S.p.A. and/or its affiliates. • All rights reserved. Without limiting the rights under copyright, no part of this documentation may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means, or for any purpose, without the express written permission of Datalogic S.p.A. and/or its affiliates. • Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S. and the E.U. • Datalogic Aladdin and QuickScan are trademarks of Datalogic S.p.A. and/or its affiliates, registered in many countries, including the U.S. and the E.U. • Android is a trademark of Google Inc. • The Bluetooth word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Datalogic is under license. • All other trademarks and brands are property of their respective owners. • Product specifications are subject to change without notice. •
DS-QUICKSCANIQBT_QM2400-EN Rev A 20200304