# QUICKSCAN™ I QBT2400

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 QBT2400 imager 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

Featuring Bluetooth® Wireless Technology, the QuickScan QBT2400 2D imager can transmit data to the host through its base station as well as to any commercial or embedded Bluetooth compliant device.

The QBT2400 2D imager can also be connected to any tablet using either iOS or Android operating systems via the Bluetooth HID profile.

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

- Bluetooth® Wireless Technology with up to 25.0 m / 76.2 ft range
- Compatible with Android and iOS devices through the Bluetooth HID profile
- 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-APPLICATIONS

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

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## TECHNICAL SPECIFICATIONS

### CORDLESS COMMUNICATIONS

| | |
|---|---|
| BLUETOOTH WIRELESS TECHNOLOGY | Piconet: Max. Readers per Radio Receiver Using Commercial Dongle: 7; Using Cradle: 1 |
| PROFILES | HID (Human Interface Device)<br>SPP (Serial Port Profile) |
| PROTOCOL | Bluetooth 3.0 Certified Class 2 |
| RADIO FREQUENCY | 2.4 GHz |
| RADIO RANGE (OPEN AIR) | 25.0 m / 76.2 ft<br>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

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|---|---|
| 1D / LINEAR CODES | Autodiscriminates 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; Korea 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

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|---|---|
| BATTERY | Battery Type: Lithium-Ion 1400 mAh<br>Charge Time: External Power: < 3 hrs @ 12 VDC;<br>Reads per Charge: 30,000 + |
| INPUT VOLTAGE | 4.75 - 14 VDC |

### ENVIRONMENTAL

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|---|---|
| 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<br>Storage/Transport: -40 to 70 °C / -40 to 158 °F |

### INTERFACES

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|---|---|
| INTERFACES | Keyboard Wedge / OEM (IBM) USB / RS-232 / USB |

### PHYSICAL CHARACTERISTICS

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|---|---|
| COLORS AVAILABLE | Black, White |
| DIMENSIONS | 16.3 x 9.1 x 4.1 cm / 6.4 x 3.6 x 1.6 in |
| WEIGHT | Reader: 200 g / 7.1 oz<br>Base/Charger: 230 g / 8.1 oz |

### READING PERFORMANCE

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|---|---|
| IMAGER SENSOR | Wide VGA: 752 x 480 pixels |
| LIGHT SOURCE | Aiming: 2 Blue LED's;<br>Illumination: Red LED 610 - 650 nm |
| MOTION TOLERANCE | 25 IPS |
| PRINT CONTRAST RATIO (MINIMUM) | 25% |
| READING ANGLE | Pitch: +/- 65°; Roll (Tilt): 360°;<br>Skew (Yaw): +/- 60° |
| READING INDICATORS | Beeper (Adjustable Tone and Volume);<br>Datalogic 'Green Spot' Good Read Feedback;<br>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

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|---|---|
| AGENCY APPROVALS | The product meets necessary safety and regulatory approvals for its intended use.<br>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

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|---|---|
| DATALOGIC ALADDIN™ | Datalogic Aladdin configuration program is available for download at no charge. |
| OPOS / JAVAPOS | JavaPOS Utilities are available for download at no charge.<br>OPOS Utilities are available for download at no charge. |
| REMOTE HOST DOWNLOAD | Lowers service costs and improves operations. |

### WARRANTY

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|---|---|
| WARRANTY | 3-Year Factory Warranty |

## ACCESSORIES

**Mounts/Stands**



▪ STD-QD24-BK Stand, Black



▪ STD-QD24-WH Stand, White

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