QUICKSCAN™ LITE QW2400

DATALOGIC



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.

FEATURES

- Wide scan angle and Field of View (FOV)
- Blue aiming dot on white illumination
- Datalogic's patented 'Green Spot' technology for good-read feedback
- Two interface options: USB or Keyboard Wedge/RS-232
- Excellent performance in reading bar codes displayed on mobile devices
- Built with over-molded rubber to protect the imager when dropped
- Compact and multi-position stand
- Water and Particulate Sealing Rating: IP42
- Drop resistance to 1.5 m / 5.0 ft
- Uses the same cables and power supplies as the current QuickScan products
- USB certified kits available
- Remote Host Download lowers service costs and improves operations and is available for all models
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Retail
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TECHNICAL SPECIFICATIONS

DECODING CAPABILITY

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; Japanese Post; IMB; 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 °C / 32 to 122 °F Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

INTERFACES	QW2470-BK: RS-232/Keyboard Wedge QW2420-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	120.0 g / 4.2 oz

READING PERFORMANCE

IMAGER SENSOR	Field of View: 48 x 37° (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: +/- 65°; Roll (Tilt): +/- 360°; Skew (Yaw): +/- 65°
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 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	JavaPOS Utilities are available for download at no charge. OPOS 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-QW20-BK Holder/Stand, Black





▪ STD-QWG20-BK Gooseneck Stand, Black

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