

# QUICKSCAN™ LITE QW2400



## 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
- Light Manufacturing
- Document / Bill Processing
- Banking / Financial Environments



## TECHNICAL SPECIFICATIONS

## DECODING CAPABILITY

<b>1D / Linear Codes</b>	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
<b>2D Codes</b>	Aztec Code; Aztec Mesas; Data Matrix; MaxiCode; QR Code; Micro QR Code; China Han Xin Code
<b>Postal Codes</b>	Australian Post; British Post; Canadian Post; China Post; Japanese Post; IMB; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
<b>Stacked Codes</b>	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

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

## ENVIRONMENTAL

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

## INTERFACES

<b>Interfaces</b>	QW2470-BK: RS-232/Keyboard Wedge QW2420-BK: USB
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## PHYSICAL CHARACTERISTICS

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

## READING PERFORMANCE

<b>Image Sensor</b>	Field of View: 48 x 37° (H x V) Wide VGA: 640 x 480 pixels
<b>Light Source</b>	Aiming: 1 Blue LED; Illumination: White LED 350 - 770 nm
<b>Motion Tolerance</b>	20 IPS
<b>Print Contrast Ratio (Minimum)</b>	20%
<b>Reading Angle</b>	Pitch: +/- 65°; Roll (Tilt): +/- 360°; Skew (Yaw): +/- 65°
<b>Reading Indicators</b>	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
<b>Resolution (Maximum)</b>	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

<b>Typical Depth of Field</b>	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
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## SAFETY &amp; REGULATORY

<b>Agency Approvals</b>	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.
<b>Environmental Compliance</b>	Complies to China RoHS; Complies to EU RoHS

## UTILITIES

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

## WARRANTY

<b>Warranty</b>	3-Year Factory Warranty
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## ACCESSORIES

## Mounts/Stands



STD-QW20-BK Holder/Stand, Black



STD-QWG20-BK Gooseneck Stand, Black