WWS652 | Omnidirectional Barcode Scanner

Reliable Scanning in a Rugged Handheld Design

Key Features

- 1 MP sensor for fast, accurate reads and strong depth of field
- Omnidirectional scanning of 1D, 2D, postal, stacked, DotCodes and digital watermark codes
- LED-based precision aiming system
- Green Spot technology for visual good-read feedback
- Motionix™ motion-sensing for automatic mode switching
- Bluetooth 4.0 wireless connectivity
- USB-C, RS-232, USB and Keyboard Wedge interface options
- Aladdin™ 3.0 software for easy setup and barcode programming via smartphone

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OPTIC AND PERFORMANCE

Image Capture: Graphic Formats: BMP, JPEG, TIFF; Greyscale: 256, 16, 2
Image Sensor: 1 Megapixel (1280 x 800 pixels)
Aiming: Blue LED emission 468 nm
Illumination: Red LED emission 617 nm
Motion Tolerance: 30 IPS
Print Contrast Ratio (Minimum): Minimum 15%
Reading Angle: Pitch: +/- 65°; Roll (Tilt): 360°; Skew (Yaw): +/- 65°
Reading Indicators: Beeper (Adjustable Tone and Volume); 'Green Spot' Good-read feedback on the code; Good-read LED
Resolution (Maximum): 1D Linear: 0.077 mm / 3 mils; PDF417: 0.077 mm / 3 mils; Data Matrix: 0.127 mm / 5 mils; QR Code: 0.17 mm / 6.7 mils

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 25.0 cm / 0.2 to 9.8 in
Code 39: 10 mils: 0.5 to 38.0 cm / 0.2 to 14.9 in
Data Matrix: 10 mils: 0.5 to 21.5 cm / 0.2 to 8.5 in
EAN/UPCA: 13 mils: 0.5 to 51.0 cm / 0.2 to 20.1in
PDF417: 6.7 mils: 0.5 to 21.0 cm / 0.2 to 8.3 in
QR Code: 20 mils: 0 to 37.0 cm / 0 to 14.6 in

PHYSICAL CHARACTERISTICS

Dimensions: 6.2 x 2.7 x 4.2 in (15.9 x 6.8 x 10.7 cm)
Net weight: 206.5 g / 7.3 oz

CONNECTIVITY

Bluetooth Wireless Technology
Profiles: SPP (Serial Port Profile); Protocol: Bluetooth 4.0
Certified Class 1; Radio Frequency: 2.4 GHz; Radio Range (Open Air): 50.0 m / 164 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

USER ENVIRONMENT

Ambient Light: 0 - 110,000 lux
Drop Resistance: Withstands repeated drops from 1.5 m / 5.0 ft onto a concrete surface.
Trigger Resistance: Withstands 10 Mhits
ESD Protection (Air Discharge): 16 kV
Humidity (Non-Condensing): 0 - 95%
Particulate and Water Sealing: IP52
Temperature Operating: 0 to 50 °C / 32 to 122 °F
Storage/Transport: -40 to 70 °C / -40 to 158 °F
Symbologies: Auto discriminates all standard 1D codes including GS1DataBar™ linear codes. Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot code; Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC); EAN JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites; Digimarc Barcodes

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
LED Classification: Illuminator Exempt group, Aiming Risk Group 1 according to IEC 62471

ACCESSORIES

WWS650/WWS750 Power Supply, includes Power Adapter and Cord (633809005794)
Wasp WWS752 Removable Battery Pack (633809014544)
WaspProtect WWS650/WWS652 48hr 2Yr (633809003561)
WaspProtect WWS650/WWS652 48hr 3Yr (633809009730)

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Learn more about Wasp tracking solutions at **www.waspbarcode.com.**