wasp
BARCODE TECHNOLOGIES





WWS752 | Wireless 2D Scanner

Ultra-Rugged 2D Scanner Built for Demanding Warehouse and Industrial Environments



Key Features

- Reads 1D and 2D barcodes from a few inches to 65 feet away
- Ultra-rugged design with IP65/IP67 protection and 6.6 ft drop resistance
- Long-lasting 3350 mAh battery supports 80,000+ scans per charge
- Bluetooth 5.0 wireless range up to 328 feet
- Ergonomic, balanced design reduces strain during all-day use
- Reliable performance on damaged, poorly printed, or shrink-wrapped barcodes

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CONNECTIVITY	Radio Frequency: 2.4 GHz. Profiles: SPP (Serial Port Profile) and HID (Human Interface Device); Protocol: Bluetooth 5.0 Certified. Class 1, Class 2 and Class 3; Radio Range from the base station (Open Air): 100.0 m / 328.0 ft Security: Data Encryption; Scanner Authentication
ELECTRICAL CHARACTERISTICS	Current: Operating 480 mA @ 3.7 V.; Charging (Typical) < 15 W Battery: Lithium-Ion: 3350 mAh; Charge Time @ 12 VDC: 2.5 hours to charge up to 95%; 3.2 hours to charge 100%, External Power. Reads per Charge: 80,000+ Input Voltage: Host powered: 5V DC ± 5% or 10 - 30 VDC; External power supply: 10 - 30 VDC ± 5%
PHYSICAL CHARACTERISTICS	Dimensions: 7.8" H x 5.9" L x 3.1" W (19.7 cm H x 14.9 cm L x 7.9 cm W) Net weight (scanner only): 14.6 oz (.41 kg) Shipping weight (boxed): 4.8 lbs (2.18 kg) Interfaces: USB / Ethernet and Industrial Protocols
ENVIRONMENTAL CHARACTERISTICS	Ambient Light: 0 – 100,000 lux Operating temperature: -4°F to 122°F (-20° to 50°C) Storage temperature: -40°F to 158°F (-20°C to 50°C) Humidity: 0% to 95% (non-condensing) Drop resistance: Withstands 50 drops from 6.6 ft (2.0m) Trigger resistance: Withstands 10 million hits Particulate and Water Sealing: IP67 and IP65 ESD Protection (Air Discharge): 20 kV
SAFETY CERTIFICATIONS	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; Complies to R.E.A.C.H. Laser Classification: Caution Laser Radiation - Do not stare into beam; CDRH Class II; IEC 60825 Class 2 LED Classification: IEC 62471 Class 1 LED
SYMBOLOGIES READ	1D / Linear Codes: Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes. 2D Codes: Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot Code Postal Codes: Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post 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
READING PERFORMANCE	Imager Sensor: 1280 x 800 pixels Light source: Aiming: 650 nm VLD; Illumination: Red LED reading light Print Contrast Ratio (Minimum): 20% Reading Angle: Pitch: +/- 60°; Roll (Tilt): 360°; Skew (Yaw): +/- 60° Reading Indicators: Beeper (Adjustable Tone and Volume); Dual Good Read LEDs; Vibration. Resolution (Maximum): 1D Codes: 2.5 mil; 2D Codes: 5 mil
READING RANGES	Typical Depth of Field: Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. Code 39 3 mils: up to 37 in / 95 cm; Code 39 20 mils: up to 236 in / 600 cm; EAN/UPC 13mils: up to 126 in / 320 cm; Code 128 40 mils: up to 393 in / 1000 cm; Code 128: 100 mils: up to 787 in / 2000 cm; Data Matrix 10 mils: up to 43 in / 110 cm; Data Matrix 55 mils: up to 256 in / 650 cm; Data Matrix 100 mils: up to 393 in / 1000 cm
PART NUMBERS	Wasp WWS752 Wireless 2D Scanner (I00009450) Wasp WWS752 Wireless 2D Scanner with RS232 (I00009488) Wasp WWS752 Battery Pack, Removable (I00009485) Wasp WWS752 RS232 Cable, 6' (I00009486) WWS650/WWS652/WWS750/WWS752 Power Supply, Includes Power Adapter and Cord (633809005794) UK WWS650/WWS652/WWS750/WWS752 Power Supply (633809008238) WaspProtect WWS750/WWS752 48Hr 2Yr (633809003202) – US only WaspProtect WWS750/WWS752 48Hr 3Yr (633809009747) – US only

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