DS3608-HD/DS3678-HD Ultra-Rugged Scanner

UNSTOPPABLE PERFORMANCE FOR HIGH-DENSITY 1D/2D BARCODES

Every day, workers on the manufacturing plant floor scan thousands of barcodes on product components to ensure product quality. Their productivity depends on the quality of the scanner you put in their hands. When your workers need to capture the small and dense 1D and 2D barcodes common in electronics and medical equipment manufacturing, with the corded DS3608-HD and cordless DS3678-HD High Density imagers, you can give them the best — unmatched rugged design, unmatched scanning performance and unrivaled manageability. Advanced scanning delivers lightning-fast capture of any 1D or 2D barcode printed directly on product components or on labels in virtually any condition — or displayed on a screen. The ultra-rugged design is practically indestructible — ideal for punishing environments. The scanners couldn’t be easier and less time-consuming to deploy and manage. And when it comes to cordless technology, the DS3678-HD is loaded with Zebra-only features that put it in a class of its own. The DS3608-HD/DS3678-HD — the unstoppable performance you need to maximize workforce productivity and throughput, improve product quality, reduce production cycle times and prevent unplanned production line downtime.

**Superior scanning performance on any high density 1D/2D barcode**
This advanced imager delivers first time capture of high-density 1D and 2D barcodes printed on labels or directly on product components — including tiny and dense 3 mil codes that are barely visible to the naked eye. These scanners also capture standard printed barcodes in virtually any condition — damaged, dirty, poorly printed or under shrinkwrap. This dual functionality provides excellent value: you get one scanner you can use on the production line for end-to-end track and trace of materials — and in the warehouse from receiving to shipping.

**Ultra-rugged — the most indestructible design in its class**
The DS3608-HD/DS3678-HD is our most rugged scanner yet, with the highest drop, tumble and sealing specification in its class. The DS3608-HD/DS3678-HD is built to survive an 8 ft./2.4 m drop to concrete — 23 percent more durable than any other scanner in this class. The DS3608-HD/DS3678-HD operates reliably after 5,000 tumbles, simulating the real-world tumbling that occurs with a drop. Both models are dust proof, spray proof and waterproofed to IP67 — they can be sprayed down with jetting water and even submersed in water for up to 30 minutes.

**Easy management with our complimentary industry-best tools**
Remotely configure scanners, upgrade firmware, format data properly for your back end and monitor PowerPrecision+ battery statistics and more with 123Scan2 and Scanner Management Service (SMS).

**Multi-code captures and processes up to 20 barcodes simultaneously**
Many labels have multiple barcodes your workers need to capture. Now, one press of the trigger captures the right barcodes and applies the unique data format required for each one for instant transmission to your backend systems — all with complete control over the order barcodes are processed.

**Faster pick-list processing**
Users can easily select and capture an individual barcode from any pick list.

**A Bluetooth model in a class of its own for superior cordless freedom**
Bluetooth 4.0 (Low Energy) provides lightning fast wireless communication and maximum energy efficiency.

Our Zebra Wi-Fi Friendly Mode eliminates the wireless interference that Bluetooth devices can often create in your Wi-Fi environment. The ‘go anywhere’ rugged cradle offers superior versatility and durability. The DS3678-HD is the only scanner in its family to offer a cradle with IP65 sealing. And its industrial charging contacts withstand 250,000 insertions.

The first-in-its-class battery ‘charge gauge’ and Bluetooth status LED make it easy to monitor battery power as well as Bluetooth connectivity.

The PowerPrecision+ battery delivers the ultimate in battery power and management. You get 56 percent more scans-per-charge compared to competitive models, plus visibility into a wealth of battery health-related data, including charge cycles consumed, current battery status and a State of Health meter, which identifies if batteries are healthy and holding a full charge or ready for retirement.
### PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specified Value</th>
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</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>Corded: 7.3 in x 3.0 in x 5.2 in D</td>
</tr>
<tr>
<td></td>
<td>Cordless: 7.3 in x 3.0 in x 5.6 in D</td>
</tr>
<tr>
<td>Weight</td>
<td>Corded: 10.9 oz/309 g, Cordless: 14.5 oz/411 g</td>
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### UTILITIES AND MAINTENANCE

- **Scanner SDK**: Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code. For more information, visit www.zebra.com/windowsSDK
- **Scanner Management Service (SMS)**: Remotely manages your Zebra scanner and queries its asset information. For more information, visit www.zebra.com/sms

### WIRELESS CONNECTIVITY

- **Bluetooth Radio**: Bluetooth Class 1, Version 4.0 (LE), serial port (SPP) and HID profiles
- **Data Rate**: 3 Mbit/s (2.1 Mbit/s) for Classic Bluetooth 1 Megabit/s (0.27 Mbit/s) for Low Energy
- **Radio Range**: Direct line of sight in open air: Class 1: Minimum 300 ft. (100.0 m); Class 2: Minimum 30 ft. (10.0 m)

### REGULATORY

- **Environmental**: RoHS EN 50581:2012
- **Electrical Safety**:
  - **Laser/LED Safety**:
    - International LED Safety: IEC 62741:2006 (Ed 1.0), EN 62741:2008 (LED), UL, VDE and CE recognized laser component
- **EMI/RFI**:

### WARRANTY

Subject to the terms of Zebra’s hardware warranty statement, the DS3608-HD/DS3678-HD is warranted against defects in workmanship and materials for a period of three (3) years from the date of shipment. For complete warranty details, go to: http://www.zebra.com/warranty

### RECOMMENDED SERVICES

- **Zebra OneCore Select, Zebra OneCore Essential**

### DECODE RANGES

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Resolution</th>
<th>Near/Far</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code 128</td>
<td>3 mil</td>
<td>2.0-3.0 in./5.1-7.6 cm</td>
</tr>
<tr>
<td>Code 128</td>
<td>20 mil</td>
<td>2.2-26.0 in./5.6-66.0 cm</td>
</tr>
<tr>
<td>Datamatrix: 10 mil</td>
<td>1.0-9.0 in./2.5-22.9 cm</td>
<td></td>
</tr>
<tr>
<td>PDF417: 5 mil</td>
<td>2.0-6.0 in./5.1-15.2 cm</td>
<td></td>
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</tbody>
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* Refer to Product Reference Guide for complete list of symbologies.