Surveillance Hard Drives

**S300**

**Surveillance Hard Drives**

**Always On, Always Watching**

With surveillance systems, nothing but the best is good enough. The Toshiba 3.5-inch S300 is built to meet the highest demands. With support for up to 64 high-resolution surveillance video cameras simultaneously and up to 6 TB capacity, it brings everything into clear view. Each S300 is built with the highest-quality components and has passed rigorous tests to ensure 24x7 reliability and performance. That’s Toshiba quality you can trust under the harshest working conditions.

**3.5” SATA Hard Drive**

<table>
<thead>
<tr>
<th>Use for</th>
<th>Top Features</th>
<th>Capacities</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Surveillance Digital Video</td>
<td>3.5” SATA Hard Drive</td>
<td>6 TB</td>
</tr>
<tr>
<td>Recorders (sDVR)</td>
<td>5,400 rpm (6</td>
<td>4</td>
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<tr>
<td>• Surveillance Network Video</td>
<td>5,700 rpm (1 TB)</td>
<td>2 TB</td>
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<tr>
<td>Recorders (sNVR)</td>
<td>256 MB buffer (6</td>
<td>4 TB)</td>
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<tr>
<td>• Hybrid sDVR (analog and IP)</td>
<td>128 MB buffer (4</td>
<td>2 TB)</td>
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<tr>
<td>• RAID Storage Arrays for</td>
<td>64 MB buffer (1 TB)</td>
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<tr>
<td>Surveillance (only S300 4</td>
<td>Up to 64 cameras</td>
<td></td>
</tr>
<tr>
<td>TB – HDWT140UZSVA)</td>
<td>24/7 operation</td>
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*View more*
### Basic Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>6 TB</th>
<th>4 TB</th>
<th>4 TB</th>
<th>4 TB</th>
<th>2 TB</th>
<th>1 TB</th>
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<tbody>
<tr>
<td><strong>HDWT1860UZSVA</strong></td>
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<td><strong>HDWT840UZSVA</strong></td>
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<td><strong>HDWT440UZSVA</strong></td>
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<td><strong>HDWT1400UZSVA</strong></td>
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<td><strong>HDWT720UZSVA</strong></td>
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<td><strong>HDWV110UZSVA</strong></td>
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**Form factor** | 3.5-inch  
**Interface** | 6.0 Gbit/s  
**Number of cameras supported** | 64  
**Drive bays supported** | up to 8  
**Rotational Vibration (RV) Sensors** | –  
**Shock Sensor** | yes  
**Advanced Format (AF)** | yes  
**RoHS compatible** | yes  
**Halogen free** | yes  
**Recording Technology** | SMR  

### Performance

- **Rotational speed (rpm)**: 5400  
- **Max. data transfer speed (sustained MB/s Typ.)**: 184  
- **Buffer size (MB)**: 256  
- **Average latency (ms)**: 5.56

### Reliability

- **Workloads (TB/year)**: 180  
- **MTTF (hours)**: 1,000,000  
- **Unrecoverable error rate**: 1 per 10^14  
- **24 x 7 operation**: yes  
- **Load/Unload cycle**: 600,000  
- **Limited warranty (years)**: 3

### Power Management

- **Supply voltage**: 5 V DC ±5%  
- **Consumption (operating)**: 4.84 W typ.  
- **Consumption (active idle)**: 2.81 W typ.  

### Environmental

- **Temperature (operating/non-operating)**: 0 to 70 °C  
- **Vibration (operating)**: 4.90 m/s² (0.50 G) (5 to 350 Hz)  
- **Vibration (non-operating)**: 29.4 m/s² (3.0 G) (5 to 500 Hz)  
- **Shock (operating)**: 686 m/s² (70 G) (2 ms duration)  
- **Shock (non-operating)**: 2940 m/s² (300 G) (2 ms duration)  
- **Acoustics (idle mode)**: 24 dB typ.

### Physical

- **Dimensions**: 147 (L) x 101.85 (W) x 26.1 (H)  
- **Weight**: 680 g