

# TOSHIBA



## S300 Pro Surveillance Hard Drives




### Capture every detail

Toshiba's 3.5-inch S300 Pro Surveillance Hard Drive is designed and tested for 24/7 reliable surveillance, built for speed, capacity, and longer content retention. Capture and analyse every frame from up to 64 video cameras in high resolution with the S300 Pro. Space is important to continually capture a history of video evidence over a period of time. With up to 10 TB you get the capacity to record and play back the events in real-time in high resolution and with object identification and face recognition.

### Use for

- Surveillance Digital Video Recorders (sDVR)
- Surveillance Network Video Recorders (sNVR)
- Hybrid sDVR (analog and IP)
- RAID Storage Arrays for Surveillance

### Top Features

- SATA** 3.5" SATA Hard Drive
- RPM** 7,200 rpm
-  256 MB buffer
-  Up to 64 cameras
- 24/7** 24/7 operation
-  3-year warranty

### Capacities

10 TB   8 TB   6 TB



## S300 Pro

 Surveillance Hard Drives

|  | 10 TB  | 8 TB   | 6 TB   |
|--|--|--|--|
|  | HDWT31AUZSVA   | HDWT380UZSVA   | HDWT360UZSVA   |
| <b>Basic Specifications</b>                    |  |  |  |
| Form factor                                    | 3.5-inch   |  |  |
| Interface                                      | 6.0 Gbit/s   |  |  |
| Number of cameras supported                    | 64   | 64   | 64   |
| Drive bays supported                           | 8+   | 8+   | 8+   |
| Rotational Vibration (RV) Sensors              | yes  | yes  | yes  |
| Shock Sensor                                   | yes  | yes  | yes  |
| Advanced Format (AF)                           | yes  | yes  | yes  |
| RoHS compatible                                | yes  | yes  | yes  |
| Halogen free                                   | yes  | yes  | yes  |
| Recording Technology                           | CMR  | CMR  | CMR  |
| <b>Performance</b>                             |  |  |  |
| Rotational speed (rpm)                         | 7200   | 7200   | 7200   |
| Max. data transfer speed (sustained MB/s Typ.) | 248  | 241  | 241  |
| Buffer size (MB)                               | 256  | 256  | 256  |
| Average latency (ms)                           | 4.17   | 4.17   | 4.17   |
| <b>Reliability</b>                             |  |  |  |
| Workloads (TB/year)                            | 180  | 180  | 180  |
| MTTF (hours)                                   | 1 000 000  | 1 000 000  | 1 000 000  |
| Unrecoverable error rate                       | 1 per 10 <sup>14</sup>   | 1 per 10 <sup>14</sup>   | 1 per 10 <sup>14</sup>   |
| 24 x 7 operation                               | yes  | yes  | yes  |
| Load/Unload cycle                              | 600 000  | 600 000  | 600 000  |
| Limited warranty (years)                       | 3  | 3  | 3  |
| <b>Power Management</b>                        |  |  |  |
| Supply voltage                                 | 5 V DC +6/-5 %<br>12 V DC ±10 %  | 5 V DC +6/-5 %<br>12 V DC ±10 %  | 5 V DC +6/-5 %<br>12 V DC ±10 %  |
| Consumption (operating)                        | 9.48 W typ.  | 6.33 W typ.  | 7.88 W typ.  |
| Consumption (active idle)                      | 7.15 W typ.  | 6.33 W typ.  | 5.59 W typ.  |
| <b>Environmental</b>                           |  |  |  |
| Temperature (operating/non-operating)          | 0 to 70 °C<br>-40 to 70 °C   | 0 to 70 °C<br>-40 to 70 °C   | 0 to 70 °C<br>-40 to 70 °C   |
| Vibration (operating)                          | 7.35 m/s <sup>2</sup> {0.75 G} (5 to 300 Hz)<br>2.45 m/s <sup>2</sup> {0.25 G} (300 to 500 Hz) | 7.35 m/s <sup>2</sup> {0.75 G} (5 to 300 Hz)<br>2.45 m/s <sup>2</sup> {0.25 G} (300 to 500 Hz) | 7.35 m/s <sup>2</sup> {0.75 G} (5 to 300 Hz)<br>2.45 m/s <sup>2</sup> {0.25 G} (300 to 500 Hz) |
| Vibration (non-operating)                      | 29.4 m/s <sup>2</sup> {3.0 G}<br>(5 to 500 Hz)   | 29.4 m/s <sup>2</sup> {3.0 G}<br>(5 to 500 Hz)   | 29.4 m/s <sup>2</sup> {3.0 G}<br>(5 to 500 Hz)   |
| Shock (operating)                              | 686 m/s <sup>2</sup> {70 G}<br>(2 ms duration)   | 686 m/s <sup>2</sup> {70 G}<br>(2 ms duration)   | 686 m/s <sup>2</sup> {70 G}<br>(2 ms duration)   |
| Shock (non-operating)                          | 2450 m/s <sup>2</sup> {250 G}<br>(2 ms duration)   | 2450 m/s <sup>2</sup> {250 G}<br>(2 ms duration)   | 2450 m/s <sup>2</sup> {250 G}<br>(2 ms duration)   |
| Acoustics (idle mode)                          | 34 dB typ.   | 34 dB typ.   | 34 dB typ.   |
| <b>Physical</b>                                |  |  |  |
| Dimensions                                     | 147 (L) x 101.85 (W) x 26.1 (H) mm   | 147 (L) x 101.85 (W) x 26.1 (H) mm   | 147 (L) x 101.85 (W) x 26.1 (H) mm   |
| Weight   | 770 g  | 770 g  | 770 g  |