

# 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 6 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

### Capacity

**6  
TB**





## S300 Pro

 Surveillance Hard Drives

### Designed and tested for compatibility

The S300 Pro has been designed and tested to support up to 64 high resolution cameras, allowing flexible scalability for your security camera systems. Compatible with DVR, NVR, video servers and video management systems for around-the-clock security, the surveillance never sleeps – so that you can.



### Industry-leading performance

A 256 MB buffer and high transfer rates meet the demands of surveillance data from higher-resolution camera streams. Improved real-time drive performance is achieved through Toshiba's Dynamic Cache Technology optimizing read and write cycle cache allocation through an on-board cache algorithm and buffer management.



### Integrated RV sensors

Regular hard disk drives without RV sensors can affect the performance of a multi-bay system by generating 'knock-on' vibration. The S300 Pro ensures high reliability by minimising vibration effects through their advanced control and sensing technology. Multiple sensors detect the slightest shock and built-in RV sensors also compensate for rotational vibration – eliminating the possibility of 'knock-on' vibration in multi-bay surveillance systems.

**6 TB**

HDWT360UZSVA

#### Basic Specifications

|                                   |            |
|-----------------------------------|------------|
| Form factor                       | 3.5-inch   |
| Interface                         | 6.0 Gbit/s |
| Number of cameras supported       | 64         |
| Drive bays supported              | 8+         |
| Rotational Vibration (RV) Sensors | yes        |
| Shock Sensor                      | yes        |
| Advanced Format (AF)              | yes        |
| RoHS compatible                   | yes        |
| Halogen free                      | yes        |
| Recording Technology              | CMR        |

#### Performance

|  |      |
|--|------|
| Rotational speed (rpm)                         | 7200 |
| Max. data transfer speed (sustained MB/s Typ.) | 241  |
| Buffer size (MB)                               | 256  |
| Average latency (ms)                           | 4.17 |

#### Reliability

|                          |                        |
|--------------------------|------------------------|
| Workloads (TB/year)      | 180                    |
| MTTF (hours)             | 1 000 000              |
| Unrecoverable error rate | 1 per 10 <sup>14</sup> |
| 24 x 7 operation         | yes                    |
| Load/Unload cycle        | 600 000                |
| Limited warranty (years) | 3                      |

#### Power Management

|                           |                                 |
|---------------------------|---------------------------------|
| Supply voltage            | 5 V DC +6/-5 %<br>12 V DC ±10 % |
| Consumption (operating)   | 7.88 W typ.                     |
| Consumption (active idle) | 5.59 W typ.                     |

#### Environmental

|                                       |  |
|---------------------------------------|--|
| Temperature (operating/non-operating) | 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) |
| Vibration (non-operating)             | 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)   |
| Shock (non-operating)                 | 2450 m/s <sup>2</sup> {250 G}<br>(2 ms duration)   |
| Acoustics (idle mode)                 | 34 dB typ.   |

#### Physical

|            |                                    |
|------------|------------------------------------|
| Dimensions | 147 (L) x 101.85 (W) x 26.1 (H) mm |
| Weight     | 770 g                              |