

### Internal Hard Drives

# S300 Surveillance Hard Drive

Capture every detail



10 8 6 5 4  
TB TB TB TB TB

Color

Toshiba's 3.5-inch S300 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. 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



**SATA** 3.5" SATA Hard Drive

**RPM** 7200 / 5400 rpm

**Cache** 256 / 128 MB buffer

24/7 operation

Supports up to 64 video cameras

**Reliability** High reliability and enhanced real-time performance


Toshiba Dynamic Cache Technology

Toshiba Stable Platter Technology


**Design** High-endurance design

3-year warranty

## Manual

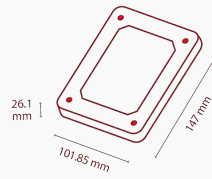
[Toshiba Installation and Safety.pdf](#) 

## Tools

[TOSHIBA Storage Diagnostic Tool.zip](#) 



# Product Specifications



## Basic Specifications

<b>Form factor</b>	3.5-inch
<b>Interface</b>	6.0 Gbit/s
<b>Number of cameras supported</b>	64 (6 TB - 10 TB), 32 (4 TB, 5 TB)
<b>Max. transfer rate</b>	248 MB/s Typ. (10 TB), 241 MB/s Typ. (6 TB, 8 TB), 157 MB/s Typ. (4 TB, 5 TB)
<b>Drive bays supported</b>	8+ (6 TB - 10 TB), 1-8 (4 TB, 5 TB)
<b>Rotational Vibration (RV) Sensors</b>	Yes
<b>Advanced Format (AF)</b>	Yes
<b>RoHS compatible</b>	Yes
<b>Halogen Free</b>	Yes
<b>Shock Sensor</b>	Yes

## Performance

<b>Rotational speed</b>	7200 rpm (6 TB - 10 TB), 5400 rpm (4 TB, 5TB)
<b>Buffer size</b>	256 MB (6 TB - 10 TB), 128 MB (4 TB, 5 TB)
<b>Average latency</b>	4,17 ms (6 TB - 10 TB), 5,56 ms (4 TB, 5 TB)
<b>Native Command Queing (NCQ)</b>	Supported

## Reliability

<b>Workloads</b>	180 TB/year (6 TB - 10 TB), 110 TB/year (4 TB, 5 TB)
<b>MTTF</b>	1.000.000 hours

<b>Unrecoverable error rate</b>	1 per 10E14 bits read
<b>24/7 operation</b>	Yes
<b>Load / Unload Cycle</b>	600.000
<b>Limited warranty</b>	3 years

## Power Management

<b>Supply voltage</b>	5V DC +6/-5%; 12V DC $\pm$ 10% (6TB - 10TB); 5V DC $\pm$ 5%; 12V DC $\pm$ 10% (4TB, 5TB)
<b>Consumption - Read/Write</b>	9.48 W typ. (10 TB), 8.61 W typ. (8 TB), 7.88 W typ. (6 TB), 7.5 W typ. (4 TB, 5 TB)
<b>Consumption - Low Power Idle</b>	7.15 W typ. (10 TB), 6.33 W typ. (8 TB), 5,59 W typ. (6 TB), 4.00 W typ. (4 TB, 5 TB)

## Environmental

<b>Temperature (operating / non-operating)</b>	0 - 70° C / -40 - 70° C
<b>Vibration (operating)</b>	0.75 G (5 to 300 Hz) 0.25 G (300 to 500 Hz)
<b>Vibration (non-operating)</b>	3.0 G (5 to 500Hz) (6 TB - 10 TB); 5 G (5 to 500Hz) or less (4 TB, 5 TB)
<b>Shock (operating)</b>	70 G / 2 ms duration
<b>Shock (non-operating)</b>	250 G / 2 ms duration (6 TB - 10 TB), 300 G / 2 ms duration (4 TB, 5 TB)
<b>Acoustics (idle mode)</b>	34 dB typ. (6 TB - 10 TB), 26 dB typ. (4 TB, 5 TB)

## Physical

<b>Dimensions</b>	147 (L) x 101.85 (W) x 26.1 (H) mm
<b>Weight (approx.)</b>	770 g max. (6 TB - 10 TB), 720 g max. (4 TB, 5 TB)

## Box Content

<b>Box Content</b>	3.5-inch internal HDD - S300 Surveillance Hard Drive
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# Product Range

Part number	Capacity	Color
HDWT31AUZSVA (Bulk)	10 TB	-
HDWT380UZSVA (Bulk)	8 TB	-
HDWT360UZSVA (Bulk)	6 TB	-
HDWT150UZSVA (Bulk)	5 TB	-
HDWT140UZSVA (Bulk)	4 TB	-

## Logistical Information:

Box dimensions	n/A
Box weight (gross)	n/A
Master carton dimensions	321 x 406 x 213 mm
Master carton weight (gross)	16 kg (typ.), 11 kg (typ.) (1TB, 500GB)
Boxes per master carton	20
Pallet dimensions	n/A
Pallet weight (net)	n/A
Units per pallet	180

## Contact

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