

**Video/Surveillance**

# S300 Surveillance Hard Drive

Always On, Always Watching



4 2 1  
TB TB TB

Color

EMEA Region, Toshiba Storage Solutions - 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 32 high-resolution surveillance video cameras simultaneously and up to 4 TB capacity, it brings everything into clear view. Each S300 is built with the highest-quality components and has passed rigorous tests to ensure 24 x 7 reliability and performance. That's Toshiba quality you can trust under the harshest working conditions.

Use for:

- Surveillance Digital Video Recorders (sDVR)
- Surveillance Network Video Recorders (SNVR)
- Hybrid sDVR (analog and IP)




**SATA** 3.5" SATA Hard Drive


**RPM** 5400 rpm

**Cache** 128 MB buffer

**24/7** 24/7 operation


Supports up to 32 video cameras

 High reliability and enhanced real-time performance


 Toshiba Dynamic Cache Technology


 Toshiba Stable Platter Technology

 High-endurance design

 3-year warranty

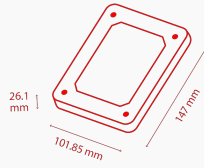
## Manual

[Toshiba Installation and Safety 20201013.pdf](#) 

[SC7128-A5 Instruction-manual EU Internal 20200728.pdf](#) 



# Product Specifications



## Basic Specifications

<b>Form factor</b>	3.5-inch
<b>Interface</b>	6.0 Gbit/s
<b>Number of cameras supported</b>	32 (2 TB - 4 TB) 16 (1 TB)
<b>Drive bays supported</b>	1 to 8
<b>Rotational Vibration (RV) Sensors</b>	Yes (HDWT140UZSVA)
<b>RAID</b>	supported (HDWT140UZSVA)
<b>Advanced Format (AF)</b>	Yes
<b>RoHS compatible</b>	Yes
<b>Halogen Free</b>	Yes
<b>Shock Sensor</b>	Yes
<b>Recording Technology</b>	CMR: HDWT140UZSVA, HDWV110UZSVA SMR: HDWT740UZSVA, HDWT720UZSVA

## Performance

<b>Rotational speed</b>	5,400 rpm (2 TB - 4 TB) 5,700 rpm (1 TB)
<b>Max. data transfer speed (sustained)</b>	157 MB/s Typ. (4 TB CMR) 184MB/s Typ. (2 TB, 4 TB SMR)
<b>Buffer size</b>	128 MB (2 TB, 4 TB) 64 MB (1 TB)
<b>Average latency</b>	5,56 ms (2 TB, 4 TB)
<b>Native Command Queing (NCQ)</b>	supported

## Reliability

<b>Workloads</b>	72 TB/year (1 TB CMR) 110 TB/year (4 TB CMR) 180 TB/year (2 TB, 4 TB SMR)
<b>MTTF</b>	1,000,000 hours (2 TB, 4 TB)
<b>Unrecoverable error rate</b>	1 per 10E14 bits read
<b>24/7 operation</b>	Yes
<b>Load / Unload Cycle</b>	600,000 (2 TB, 4 TB) 300,000 (1 TB)
<b>Limited warranty</b>	3 years

## Box Content

<b>Box Content</b>	3.5-inch internal hard drive - S300 Surveillance Hard Drive
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## Physical

<b>Weight (approx.)</b>	720 g max. (4 TB CMR) 650 g max. (4 TB SMR) 450 g max. (1 TB CMR) 440 g max. (2 TB SMR)
<b>Dimensions</b>	147 (L) x 101.85 (W) x 26.1 (H) mm

## Environmental

<b>Acoustics (idle mode)</b>	26 dB typ. (4 TB CMR) 22 dB typ. (4 TB SMR) 21 dB typ. (2 TB SMR) 19 dB typ. (1 TB CMR)
<b>Shock (non-operating)</b>	4 TB CMR: 300 G / 2 ms duration 2 TB, 4 TB SMR, 1 TB CMR: 350 G / 2 ms duration
<b>Shock (operating)</b>	70 G / 2 ms duration
<b>Vibration (non-operating)</b>	29.4 m/s <sup>2</sup> {3.0 G} (5 to 500 Hz) (4 TB CMR, 2 TB - 4 TB SMR) 10.2 m/s <sup>2</sup> {1.04G} (2 to 200 Hz) (1 TB CMR)
<b>Vibration (operating)</b>	4 TB CMR: 0.75 G (5 to 300 Hz) 0.25 G (300 to 500 Hz) 2 TB, 4 TB SMR: 0.50 G (5 to 350 Hz) 0.25 G (350 to 500 Hz) 1 TB CMR: 0.67 G (5 to 500 Hz)
<b>Temperature (operating / non-operating)</b>	0 to 70° C / -40 to 70°C

## Power Management

<b>Consumption - Active Idle</b>	4.00 W typ. (4 TB CMR) 3.00 W typ. (1 TB CMR) 2.36 W typ. (4 TB SMR) 2.08 W typ. (2 TB SMR)
<b>Consumption (operating)</b>	7.50 W typ. (4 TB CMR) 5.70 W typ. (1 TB CMR) 4.11 W typ. (4 TB SMR) 4.01 W typ. (2 TB SMR)

# Product Range

Part number	Capacity	Color
HDWT140UZSVA (Bulk)	4 TB	-
HDWT740UZSVA (Bulk)	4 TB	-
HDWT720UZSVA (Bulk)	2 TB	-
HDWV110UZSVA (Bulk)	1 TB	-

## Logistical Information:

Box dimensions	n/A
Box weight (gross)	n/A
Master carton dimensions	4 TB CMR: 410 x 308 x 228 mm 2TB, 4TB SMR: 321 x 406 x 213mm
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	4 TB CMR: 600 2 TB, 4 TB SMR: 720

## Contact

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