

Video/Surveillance

S300 Surveillance Hard Drive

Always On, Always Watching



4 2
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)
 - RAID Storage Arrays for Surveillance



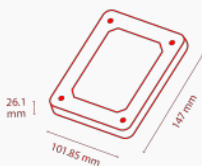
- SATA** 3.5" SATA Hard Drive
- RPM** 5400 rpm
-  128 MB buffer
- 24/7** 24/7 operation
-  Supports up to 32 video cameras
-  High reliability and enhanced real-time performance
-  Toshiba Dynamic Cache Technology
-  Toshiba Stable Platter Technology
-  High-endurance design
-  3-year warranty

Manual

[Toshiba Installation and Safety.pdf](#) 



Product Specifications



Basic Specifications

Form factor	3.5-inch
Interface	6.0 Gbit/s
Number of cameras supported	32
Drive bays supported	1 to 8
Rotational Vibration (RV) Sensors	Yes
Advanced Format (AF)	Yes
RoHS compatible	Yes
Halogen Free	Yes
Shock Sensor	Yes

Performance

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

Reliability

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

Power Management

Consumption (operating)	7.5 W typ. (4 TB) 4.11 W typ. (4 TB) 4.01 W typ. (2 TB)
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Box Content

Box Content	3.5-inch internal hard drive - S300 Surveillance Hard Drive
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Physical

Weight (approx.)	720 g max. (4 TB) 650 g max. (4 TB) 440 g max. (2 TB)
Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm

Environmental

Acoustics (idle mode)	26 dB typ. (4 TB) 22 dB typ. (4 TB) 21 dB typ. (2 TB)
Shock (non-operating)	2940 m/s2 300 G / 2 ms duration (4 TB) 3430 m/s2 350 G / 2 ms duration (4 TB) 3430 m/s2 350 G / 2 ms duration (2 TB)
Shock (operating)	686 m/s2 70 G / 2 ms duration
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)
Vibration (operating)	7.35 m/s2 {0.75 G} (5 to 300 Hz) 2.45 m/s2 {0.25 G} (300 to 500 Hz) (4 TB) 4.90 m/s2 {0.50 G} (5 to 350 Hz) 2.45 m/s2 {0.25 G} (350 to 500 Hz) (4 TB) 4.90 m/s2 {0.50 G} (5 to 350 Hz) 2.45 m/s2 {0.25 G} (350 to 500 Hz) (2 TB)
Temperature (operating / non-operating)	0 to 70° C / -40 to 70°C

Product Range

Part number	Capacity	Color
HDWT140UZSVA (CMR)	4 TB	-
HDWT740UZSVA (SMR)	4 TB	-
HDWT720UZSVA (SMR)	2 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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