

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

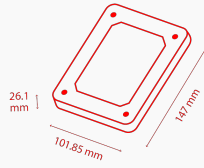
Manual

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

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



Product Specifications



Basic Specifications

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

Performance

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

Reliability

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

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 CMR) 650 g max. (4 TB SMR) 450 g max. (1 TB CMR) 440 g max. (2 TB SMR)
Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm

Environmental

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

Power Management

Consumption - Active Idle	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)
Consumption (operating)	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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