

Video/Surveillance

S300 Surveillance Hard Drive

Always On, Always Watching



6 4 2 1
TB 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 64 high-resolution surveillance video cameras simultaneously and up to 6 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)



- ? 3.5" SATA Hard Drive
- ? 5400 rpm/ 5700rpm
- ? Up to 256 MB buffer
- ? 24/7 operation
- ? Supports up to 64 video cameras
- ? High reliability and enhanced real-time performance
- ? Toshiba Dynamic Cache Technology
- ? Toshiba Stable Platter Technology
- ? High-endurance design
- ? 3-year warranty

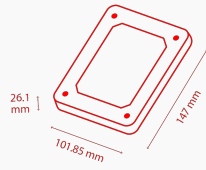
Manual

[Installation-and-Safety-Internal-HDDs.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	up to 64
Drive bays supported	1 to 8
Rotational Vibration (RV) Sensors	yes (HDWT140UZSVA)
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen Free	No
Shock Sensor	yes
Recording Technology	CMR: HDWT140UZSVA, HDWV110UZSVA SMR: HDWT740UZSVA, HDWT720UZSVA, HDWT860UZSVA, HDWT840UZSVA

Performance

Rotational speed	5400 rpm (2 TB - 6 TB) 5700 rpm (1 TB)
Max. data transfer speed (sustained)	153 MB/s Typ. (1 TB CMR) 157 MB/s Typ. (4 TB CMR) 184MB/s Typ. (2 TB, 4 TB SMR, 6 TB)
Buffer size	256 MB (6 TB) 128 MB (2 TB - 4 TB) 64 MB (1 TB)
Average latency	5,56 ms
Native Command Queing (NCQ)	supported

Reliability

Workloads	110 TB/year (4 TB CMR) 180 TB/year (1 TB, 2 TB, 4 TB SMR, 6 TB)
MTTF	1.000.000 hours
Unrecoverable error rate	1 per 10E14 bits read
24/7 operation	yes
Load / Unload Cycle	600.000 (2 TB - 6 TB) 300.000 (1 TB)
Limited warranty	3 years

Power Management

Supply voltage	5V DC ±5%; 12V DC ±10%
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Box Content

Box Content	3.5-inch internal HDD - S300 Surveillance Hard Drive
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Physical

Weight (approx.)	720 g max. (4 TB CMR) 680 g max. (6 TB SMR) 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 CRM) 24 dB typ. (6 TB SRM) 22 dB typ. (4 TB SMR) 21 dB typ. (2 TB SMR) 19 dB typ. (1 TB CRM)
Shock (non-operating)	6 TB, 4 TB CMR: 300 G / 2 ms duration 1 TB, 2 TB, 4TB SMR: 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) (6 TB, 4 TB SMR, 2 TB) 49.0 m/s ² {3.0 G} (5 to 500 Hz) (4 TB CMR) 10.2 m/s ² {1.04 G} (2 to 200 Hz) (1 TB)
Vibration (operating)	4 TB CMR: 0.75 G (5 to 300 Hz) 0.25 G (300 to 500 Hz) 2 TB, 4TB SMR, 6 TB: 0.50 G (5 to 350 Hz) 0.25 G (350 to 500 Hz) 1 TB: 0.67 G (5 to 500 Hz)
Temperature (operating / non-operating)	0 - 70° C / -40 - 70° C (2 TB - 6 TB) 0 - 65° C / -40 - 70° C (1 TB)

Power Management

Consumption - Active Idle	4.00 W typ. (4 TB CMR) 3.00 W typ. (1 TB CMR) 2.81 W typ. (6 TB SMR) 2.36 W typ. (4 TB SMR) 2.33 W typ. (4 TB SMR) 2.08 W typ. (2 TB SMR)
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Product Range

Part number	Capacity	Color
HDWT860UZSVA (Bulk)	6 TB	-
HDWT840UZSVA (Bulk)	4 TB	-
HDWT140UZSVA (Bulk)	4 TB	-
HDWT740UZSVA (Bulk)	4 TB	-
HDWT720UZSVA (Bulk)	2 TB	-
HDWW110UZSVA (Bulk)	1 TB	-

Logistical Information:

Box dimensions	n/A
Box weight (gross)	n/A
Master carton dimensions	410 x 308 x 228 mm
Master carton weight (gross)	16 kg (typ.) (4 TB, 5 TB), 17 kg (typ.) (6 TB - 10 TB)
Boxes per master carton	20
Pallet dimensions	n/A
Pallet weight (net)	n/A
Units per pallet	600

Contact

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