



View more

S300
Surveillance Hard Drives

Always On, Always Watching

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 simultaneiously 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 24x7 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 (only S300 4 TB – HDWT140UZSVA)

Top Features

SATA	3.5" SATA Hard Drive
RPM	5,400 rpm (6 | 4 | 2 TB) 5,700 rpm (1 TB)
	256 MB buffer (6 | 4 TB) 128 MB buffer (4 | 2 TB) 64 MB buffer (1 TB)
64	Up to 64 cameras
24/7	24/7 operation

Capacities

6 TB | 4 TB | 2 TB | 1 TB

TOSHIBA

Write your story.

S300

Surveillance Hard Drives

	6 TB	4 TB	4 TB	2 TB	1 TB
	HDWT860UZSVA	HDWT840UZSVA	HDWT140UZSVA	HDWT720UZSVA	HDWV110UZSVA
Basic Specifications					
Form factor	3.5-inch				
Interface	6.0 Gbit/s				
Number of cameras supported	64	64	64	64	32
Drive bays supported	up to 8				
Rotational Vibration (RV) Sensors	–	–	yes	–	–
Shock Sensor	yes				
Advanced Format (AF)	yes				
RoHS compatible	yes				
Halogen free	yes				
Recording Technology	SMR	SMR	CMR	SMR	CMR
Performance					
Rotational speed (rpm)	5400				5700
Max. data transfer speed (sustained MB/s Typ.)	184		157	184	153
Buffer size (MB)	256		128		64
Average latency (ms)	5.56				5.27
Reliability					
Workloads (TB/year)	180		110	180	
MTTF (hours)	1 000 000				–
Unrecoverable error rate	1 per 10^14				
24 x 7 operation	yes				
Load/Unload cycle	600 000				300 000
Limited warranty (years)	3				
Power Management					
Supply voltage	5 V DC ±5 % 12 V DC ±10 %				
Consumption (operating)	4.84 W typ.	4.36 W typ.	7.5 W typ.	4.01 W typ.	5.7 W typ.
Consumption (active idle)	2.81 W typ.	2.33 W typ.	4 W typ.	2.08 W typ.	3 W typ.
Environmental					
Temperature (operating/non-operating)	0 to 70 °C -40 to 70 °C				0 to 75 °C -40 to 70 °C
Vibration (operating)	4.90 m/s2 {0.50 G} (5 to 350 Hz) 2.45 m/s2 {0.25 G} (350 to 500 Hz)		7.35 m/s2 {0.75 G} (5 to 300 Hz) 2.45 m/s2 {0.25 G} (300 to 500 Hz)	4.90 m/s2 {0.50 G} (5 to 350 Hz) 2.45 m/s2 {0.25 G} (350 to 500 Hz)	6.57 m/s2 {0.67G} (5 to 500 Hz)
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)		49.0 m/s2 {3.0 G} (5 to 500 Hz)	29.4 m/s2 {3.0 G} (5 to 500 Hz)	10.2 m/s2 {1.04G} (2 to 200 Hz)
Shock (operating)	686 m/s2 {70 G} (2 ms duration)				
Shock (non-operating)	2940 m/s2 {300 G} (2 ms duration)	3430 m/s2 {350 G} (2 ms duration)	2940 m/s2 {300 G} (2 ms duration)	3430 m/s2 {350 G} (2 ms duration)	3432 m/s2 {350G} (2 ms half sine)
Acoustics (idle mode)	24 dB typ.	22 dB typ.	26 dB typ.	21 dB typ.	19 dB typ.
Physical					
Dimensions	147 (L) x 101.85 (W) x 26.1 (H)				
Weight	680 g	650 g	720 g	440 g	450 g

Copyright © 2023 Toshiba Electronics Europe GmbH. All Rights Reserved. Product specifications, configurations, prices and component/options availability are all subject to change without notice. Product design, specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted. 01/2023