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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

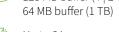
- Surveillance Digital Video Recorders (sDVR)
- Surveillance Network Video Recorders (sNVR)
- Hybrid sDVR (analog and IP)
- RAID Storage Arrays for Surveillance (only S300 4 TB - HDWT140UZSVA)

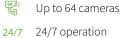
Top Features

SATA 3.5" SATA Hard Drive

5,400 rpm (6 | 4 | 2 TB) 5,700 rpm (1 TB)







Capacities

TOSHIBA



S300



	6 TB	4 TB	4 TB	4 TB	2 TB	1 TB
	HDWT860UZSVA	HDWT840UZSVA	HDWT740UZSVA	HDWT140UZSVA	HDWT720UZSVA	HDWV110UZSVA
Basic Specifications						
Form factor			3.5-	inch		
nterface	6.0 Gbit/s					
Number of cameras supported	64	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	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						
Norkloads (TB/year)	180 110					80
MTTF (hours)	1000000 -					-
Jnrecoverable error rate	1 per 10^14					
24 x 7 operation	yes					
_oad/Unload cycle	600 000 300 000					
imited warranty (years)				3		
Power Management						
o 1 1	5 V DC ±5 %					
Supply voltage	12 V DC ±10 %					
Consumption (operating)	4.84 W typ.	4.36 W typ.	4.11 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.	2.36 W typ.	4 W typ.	2.08 W typ.	3 W typ.
Environmental						
Temperature (enerating/pen enerating)						0 to 75 °C
Temperature (operating/non-operating)						-40 to 70 °C
Vibration (operating)		4.90 m/s2 {0.50 G} (5 to 350 Hz)		7.35 m/s2 {0.75 G} (5 to 300 Hz)	4.90 m/s2 {0.50 G} (5 to 350 Hz)	6.57 m/s2 {0.67G}
	2.45 m/s2 {0.25 G}			2.45 m/s2 {0.25 G}	2.45 m/s2 {0.25 G}	(5 to 500 Hz)
	(350 to 500 Hz) (300 to 500 Hz) (350 to 500 Hz)					
/ibration (non-operating)	29.4 m/s2 {3.0 G}			49.0 m/s2 {3.0 G}	29.4 m/s2 {3.0 G}	10.2 m/s2 {1.04G}
	(5 to 500 Hz) (5 to 500 Hz) (5 to 500 Hz)					(2 to 200 Hz)
Shock (operating)	686 m/s2 {70 G} (2 ms duration)					
Shock (non-operating)	2940 m/s2 {300 G} 3430 m/s2 {350 G} (2 ms duration) (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) × 101.85 (W) × 26.1 (H)					
	680 g 650 g			- () ~ - 0.1 (11)		