

TOSHIBA



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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 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 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)

Top Features

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

Capacities

6	4	2
TB	TB	TB



S300



6 TB	4 TB	2 TB
HDWT860UZSVA	HDWT840UZSVA	HDWT720UZSVA

Basic Specifications

Form factor	3.5-inch
Interface	6.0 Gbit/s
Number of cameras supported	64
Drive bays supported	up to 8
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes
Recording Technology	SMR

Performance

Rotational speed (rpm)	5400	
Max. data transfer speed (sustained MB/s Typ.)	184	
Buffer size (MB)	256	128

Reliability

Workloads (TB/year)	180
MTTF (hours)	1 000 000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Load/Unload cycle	600 000
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.	4.01 W typ.
Consumption (active idle)	2.81 W typ.	2.33 W typ.	2.08 W typ.

Environmental

Temperature (operating/non-operating)	0 to 70 °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)		
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 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)	
Acoustics (idle mode)	24 dB typ.	22 dB typ.	21 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm		
Weight	680 g	650 g	440 g

Logistic Information - Bulk

Master carton quantity	20 pcs		
Master carton size (L x W x H)	321 x 406 x 213 mm		
Master carton weight	16 kg		
Pallet quantity per layer	180 pcs		
Number of layer	4 layer		
Pallet quantity	720 pcs		
Pallet size (L x W x H)	1250 x 1030 x 1030 mm		
Pallet weight	553 kg	373 kg	371 kg
Country of origin	China		