

TOSHIBA



S300 Pro Surveillance Hard Drives

Capture every detail

Toshiba's 3.5-inch S300 Pro Surveillance Hard Drive is designed and tested for 24/7 reliable surveillance, built for speed, capacity, and longer content retention. Capture and analyse every frame from up to 64 video cameras in high resolution with the S300 Pro. Space is important to continually capture a history of video evidence over a period of time. With up to 10 TB you get the capacity to record and play back the events in real-time in high resolution and with object identification and face recognition.

Use for

- Surveillance Digital Video Recorders (sDVR)
- Surveillance Network Video Recorders (sNVR)
- Hybrid sDVR (analog and IP)
- RAID Storage Arrays for Surveillance

Top Features

- SATA** 3.5" SATA Hard Drive
- RPM** 7,200 rpm
-  256 MB buffer
-  Up to 64 cameras
- 24/7** 24/7 operation
-  3-year warranty

Capacities

10	8	6
TB	TB	TB



S300 Pro



10 TB	8 TB	6 TB
HDWT31AUZSVA	HDWT380UZSVA	HDWT360UZSVA

Basic Specifications

Form factor	3.5-inch		
Interface	6.0 Gbit/s		
Number of cameras supported	64	64	64
Drive bays supported	8+	8+	8+
Rotational Vibration (RV) Sensors	yes	yes	yes
Shock Sensor	yes	yes	yes
Advanced Format (AF)	yes	yes	yes
RoHS compatible	yes	yes	yes
Halogen free	yes	yes	yes
Recording Technology	CMR	CMR	CMR

Performance

Rotational speed (rpm)	7200	7200	7200
Max. data transfer speed (sustained MB/s Typ.)	248	241	241
Buffer size (MB)	256	256	256
Average latency (ms)	4.17	4.17	4.17

Reliability

Workloads (TB/year)	180	180	180
MTTF (hours)	1 000 000	1 000 000	1 000 000
Unrecoverable error rate	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴
24 x 7 operation	yes	yes	yes
Load/Unload cycle	600 000	600 000	600 000
Limited warranty (years)	3	3	3

Power Management

Supply voltage	5 V DC +6/-5 % 12 V DC ±10 %	5 V DC +6/-5 % 12 V DC ±10 %	5 V DC +6/-5 % 12 V DC ±10 %
Consumption (operating)	9.48 W typ.	6.33 W typ.	7.88 W typ.
Consumption (active idle)	7.15 W typ.	6.33 W typ.	5.59 W typ.

Environmental

Temperature (operating/non-operating)	0 to 70 °C -40 to 70 °C	0 to 70 °C -40 to 70 °C	0 to 70 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² {0.75 G} (5 to 300 Hz) 2.45 m/s ² {0.25 G} (300 to 500 Hz)	7.35 m/s ² {0.75 G} (5 to 300 Hz) 2.45 m/s ² {0.25 G} (300 to 500 Hz)	7.35 m/s ² {0.75 G} (5 to 300 Hz) 2.45 m/s ² {0.25 G} (300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)	29.4 m/s ² {3.0 G} (5 to 500 Hz)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)	686 m/s ² {70 G} (2 ms duration)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2450 m/s ² {250 G} (2 ms duration)	2450 m/s ² {250 G} (2 ms duration)	2450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.	34 dB typ.	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm	147 (L) x 101.85 (W) x 26.1 (H) mm	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	770 g	770 g	770 g