



S300 AI Surveillance Hard Drives

Reliable. Scalable. Al-ready.

The Toshiba S300 AI Surveillance Hard Drive is designed for professional environments and large-scale surveillance infrastructures. Supporting up to 24 TB of storage, it can manage video feeds from up to 64 cameras while delivering real-time AI analytics on 32 simultaneous streams — all without dropping a single frame. Designed for nonstop operation, it ensures smooth capture and analysis of large data volumes — keeping your system responsive and reliable, even under a heavy load.

Use for

- Al Video Analytics Server and Storage Systems
- Centralized Surveillance Data Storage Systems
- Video Archive and Data Recovery Systems
- Multi-Bay-RAID Storage for Surveillance Data

Top Features

SATA 3.5" SATA Hard Drive

RPM 7,200 rpm

512/1024 MB buffer

24/7 operation

Supports up to 64 video cameras

Supports up to 32 Al Streams

550TB/Workload

5-year warranty

Capacities

24 22

TOSHIBA



S300 AI



24 TB	22 TB	20 TB	18 TB	16 TB	14 TB	10 TB	8 TB
MG11ACA24TE-V	MG11ACA22TE-V	MG11ACA20TE-V	MG11ACA18TE-V	MG11ACA16TE-V	MG11ACA14TE-V	MG10ADA10TE-V	MG10ADA800
			3.5-	inch			
SATA 6.0 Gbit/s							
CMR							
			6	64			
			3	32			
			2	24			
			y€	es			
			y€	es			
yes							
yes							
			7,2	200			
						281	
309	255	295				201	
	1,024						12
			55	50			
	2,500,000 2,000,000						
1 per 10^15							
600,000							
5							
			5 V DC +	10/-7%			
12 V DC ±10 %							
	4.35 W typ.		4.16 W typ.	3.66 \	V typ.	4.92 \	V typ.
			5 to (60 °C			
			-40 to	70 °C			
(5 to 300 Hz) 2.45 m/s2 {0.25 G}							
(300 to 500 Hz)							
			(5 to 5	500 Hz)			
490 m/s2 {50 G}							s2 {70 G}
(2 ms duration)						uration)	
20 dB typ. 34 dB typ.							
			147 (L) x 101.85 ((W) x 26.1 (H) mm			
		730				75	5 g
			2	20			
				5			
	600						
464	486	455		0 x 1,272 441	441	510	495
		MG11ACA24TE-V MG11ACA22TE-V	MG11ACA24TE-V MG11ACA22TE-V MG11ACA20TE-V 309 299 1,0 7.65 W typ. 4.35 W typ. 490 m/s (2 ms dt 1,960 m/s (2 ms dt 20 dE	MG11ACA24TE-V MG11ACA22TE-V MG11ACA20TE-V MG11ACA18TE-V	MG11ACA24TE-V MG11ACA20TE-V MG11ACA18TE-V MG11ACA16TE-V	MG11ACA24TE-V MG11ACA27TE-V MG11ACA16TE-V MG11ACA16TE-V MG11ACA16TE-V 3.5-inch	MG11ACA2TE-V MG11ACA2TE-V MG11ACA2TE-V MG11ACA16TE-V MG11ACA16TE-V MG11ACA16TE-V MG10ADA10TE-V 3.5-inch