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S300 Pro Surveillance Hard Drives




Built tougher to protect

Elevate your security solutions with the Toshiba S300 Pro Surveillance Hard Drive. Engineered for relentless reliability, it offers up to a massive 10 TB storage capacity to capture and retain every critical moment for long periods with real-time object identification and face recognition. Accommodating up to 64 video cameras, it's ideal for comprehensive surveillance setups. Benefit from high-end drive performance that delivers superior video quality and seamless streaming. Built to the highest quality standards, you'll have peace of mind knowing that your surveillance footage is stored securely.

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
-  512 MB buffer
-  Up to 64 cameras
- 24/7** 24/7 operation
-  5-year warranty

Capacities

10 **8** **6** **4**
TB **TB** **TB** **TB**



S300 Pro



10 TB	8 TB	6 TB	4 TB
MD10ADA10TV	MD10ADA800V	MD10ADA600V	MD10ADA400EV

Basic Specifications

Form factor	3.5-inch			
Interface	6.0 Gbit/s			
Number of cameras supported	64	64	64	64
Drive bays supported	24	24	24	24
Rotational Vibration (RV) Sensors	yes	yes	yes	yes
Shock Sensor	yes	yes	yes	yes
Advanced Format (AF)	yes	yes	yes	yes
RoHS compatible	yes	yes	yes	yes
Halogen free	yes	yes	yes	yes
Recording Technology	CMR	CMR	CMR	CMR

Performance

Rotational speed (rpm)	7200	7200	7200	7200
Max. data transfer speed (sustained MB/s Typ.)	281	281	281	281
Buffer size (MB)	512	512	512	512

Reliability

Workloads (TB/year)	300	300	300	300
MTTF (hours)	1 200 000	1 200 000	1 200 000	1 200 000
Unrecoverable error rate	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴
24 x 7 operation	yes	yes	yes	yes
Load/Unload cycle	600 000	600 000	600 000	600 000
Limited warranty (years)	5	5	5	5

Power Management

Supply voltage	5 VDC +10 / -7 % 12 VDC ±10 %	5 VDC +10 / -7 % 12 VDC ±10 %	5 VDC +10 / -7 % 12 VDC ±10 %	5 VDC +10 / -7 % 12 VDC ±10 %
Consumption (operating)	9.07 W typ.	8.19 W typ.	7.43 W typ.	6.75 W typ.
Consumption (active idle)	5.74 W typ.	4.92 W typ.	4.14 W typ.	3.49 W typ.

Environmental

Temperature (operating/non-operating)	0 to 65 °C -40 to 70 °C	0 to 65 °C -40 to 70 °C	0 to 65 °C -40 to 70 °C	0 to 65 °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)	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)	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)	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)	2450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.	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	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	755 g	730 g	710 g	690 g

Logistic Information - Bulk

Master carton quantity	20 pcs			
Master carton size (L x W x H)	410 x 308 x 228 mm			
Master carton weight	17 kg	16 kg	15 kg	
Pallet quantity per layer	120 pcs			
Number of layer	5 layer			
Pallet quantity	600 pcs			
Pallet size (L x W x H)	870 x 970 x 1272 mm			
Pallet weight	510 kg	495 kg	483 kg	471 kg
Country of origin	Philippines			