TOSHIBA

Surveillance Storage Capacity
Helping to Keep Us Safer 24/365

High capacity HDDs of up to 10TB designed for security camera systems that require continuous operation throughout the year. These HDDs can support as many as 64 high resolution cameras*, and provide flexible capacity for future expansion of security camera systems.

*Subject to model specification.

Surveillance
Hard Disk Drive

S300 Pro Series

Reliability and Durability

Designed for 24/365 operation and a million hour MTTF, this series provides the reliability to give you peace of mind, and also has the durability to operate in ambient temperatures ranging from 0 - 70 °C.

Flexible Expandability

Can be support as many as 64 high resolution cameras*, and help provide flexible capacity for future expansions, such as the addition of storage capacity in single or multiple drive bays.

Multi-Capacity Lineup

Capacities in the lineup range from 6TB to 10TB, enabling you to choose the surveillance HDD options that best fit your needs.

S300 Pro Hard Disk Drive

Application

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

Specifications

	S300 Pro		
Formatted Capacity	**10**TB	**8**TB	**6**TB
Model Number	HDWT31AUZSVA (MD06ACA10TV)	HDWT380UZSVA (MD06ACA800V)	HDWT360UZSVA (MD06ACA600V)
Specification			
Recording Technology	CMR		
Interface	SATA 6 Gbit/s		
Form Factor	3.5-inch (Height: 26.1 mm, Length: 147.0mm, Wide: 101.85 mm)		
Maximum Weight	770 g		
Performance			
Rotation Speed	7200 rpm		
Number of Camera Supported	Up to 64		
Drive Bays Supported	8+		
RAID Supported	Supported		
Rotation Vibration (RV) Sensor	Supported		
Buffer Size	256 MiB		
Maximum Data Transfer Speed (Sustained) (Typ.)	248 MiB/s	241 MiB/s	
Reliability			
MTTF	1 M hours		
24/7 Operation	Supported		
Workload Rating	180 TB Transferred per year		
Power Requirements			
Supply Voltage	5 V DC +6 / -5% | 12 V DC ±10%		
Consumption — Active Idle	7.15 W	6.33 W	5.59 W
Environmental Requirements			
Temperature — Operating	0 to 70 °C (Surface)		
Temperature — Non-Operating	-40 to 70 °C		
Vibration — Non-Operating	29.4 m/s^2 { 3.0 G } (5 to 500 Hz)		
Shock — Non-Operating	2450 m/s^2 { 250 G } (2 ms duration)		
Acoustic — Idle	34 dB		

Limited Warranty: 3 years

Definition of capacity: Toshiba defines a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2^{30} = 1,073,741,824 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary. | A mebibyte (MiB) means 2^{20}, or 1,048,576 bytes. | MTTF (Mean Time to Failure) is not a guarantee or estimate of product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. Actual operating life of the product may be different from the MTTF. | Read and write speed may vary depending on the host device, read and write conditions, and file size. | "3.5-inch" means the form factor of HDDs. They do not indicate drive's physical size. | Workload is a measure of the data throughput of the year, and it is defined as the amount of data written, read or verified by commands from the host system. | Operation of the drive when it has a high surface temperature will shorten its useful life. The recommended operating condition is with a surface temperature of less than 60℃. | Number of surveillance cameras support capability is defined by performance simulation with High Definition cameras at 10Mbit/s rate. Actual results may vary based on various factors, including the types of cameras installed, the system's hardware and software capabilities, and the video compression technology used, as well as system variables such as resolution, frames per second, and other settings. | Before creating and producing designs and using, customers must also refer to and comply with the latest versions of all relevant information of this document and the instructions for the application that Product will be used with or for. Product images used do not represent actual products.

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