

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 Internal Hard 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 - 65 °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 4TB 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	10TB	8TB	6TB	4TB
Model Number	HDWTA1AUZSVA	HDWTA80UZSVA	HDWTA60UZSVA	HDWTA40UZSVA
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	755 g	730 g	710 g	690 g
Performance				
Rotation Speed	7200 rpm			
Number of Camera Supported	Up to 64			
Drive Bays Supported	Up to 24			
24/7 Operation	Supported			
Rotation Vibration (RV) Sensor	Supported			
Shock Sensor	Supported			
Buffer Size	512 MiB			
Maximum Data Transfer Speed (Sustained) (Typ.)	281 MB/s			
Reliability				
MTTF	1,200,000 hours			
Load/Unload cycles	600 000 times			
Workload Rating	300 TB Transferred per year			
Power Requirements				
Supply Voltage	5 V DC ±5% 12 V DC ±10%			
Consumption	Active	Idle	Active	Idle
	5.74 W	4.92 W	4.14 W	3.49 W
Environmental Requirements				
Temperature	Operating	0 to 65 °C (Surface)		
	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 {250G} (2 ms duration)		
Acoustic	Idle	34 dB		

Limited Warranty: 5 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 = 2³⁰ = 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 2²⁰, 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°C. | 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.

Toshiba Electronics Asia (Singapore) Pte Ltd

www.toshiba-storage.asia