



# 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.

\*Supported with 6, 8, and 10TB model.

## Surveillance • Video Streaming

Hard Disk Drive



### 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 500GB to 10TB, enabling you to choose the surveillance HDD options that best fit your needs.

# S300 / V300 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				V300				
Formatted Capacity	10TB	8TB	6TB	4TB	3TB	2TB	1TB	500GB	
Model Number	HDWT31AUZSVA	HDWT380UZSVA	HDWT360UZSVA	HDWT140UZSVA	HDWU380UZSVA	HDWU120UZSVA	HDWU110UZSVA	HDWU105UZSVA	
<b>Specification</b>									
Interface	SATA 6 Gbit/s								
Form Factor	3.5-inch (Height:26.1 mm, Length:147.0 mm, Wide:101.85 mm)								
Maximum Weight	770 g		720 g		680 g		450 g		
<b>Performance</b>									
Rotation Speed	7,200 rpm		5,400 rpm		5,940 rpm	5,700 rpm			
Number of Camera Supported	Up to 64		Up to 32		Not Defined				
Drive Bays Supported	8+		Up to 8						
Rotation Vibration (RV) Sensor	Supported				Shock Sensor Supported				
Buffer Size	256 MiB		128 MiB		64 MiB				
<b>Reliability</b>									
MTTF	1,000,000 hours								
24/7 Operation	Supported								
Workload Rating	180 TB Transferred per Year		110TB Transferred per Year		Not Defined				
<b>Power Requirements</b>									
Supply Voltage	5 V DC +6 / -5 % 12 V DC ±10 %				5 V DC ±5 % 12 V DC ±10 %				
Power Consumption	Active	Idle	7.15 W	6.33 W	5.59 W	4 W	4.2 W	3.3 W	3.0 W
<b>Environmental Requirements</b>									
Temperature	Operating	0 to 70 °C				0 to 75 °C			
	Non-Operating	-40 to 70 °C							
Vibration	Non-Operating	29.4 m/s <sup>2</sup> { 3.0 G } ( 5 to 500 Hz )		49 m/s <sup>2</sup> { 5.0 G } ( 5 to 500 Hz )		10.2 m/s <sup>2</sup> { 1.04 G } ( 2 to 200 Hz )			
Shock	Non-Operating	2,450 m/s <sup>2</sup> { 250 G } ( 2 ms duration )		2,940 m/s <sup>2</sup> { 300 G } ( 2 ms duration )		3,430 m/s <sup>2</sup> { 350 G } ( 2 ms duration )			
Acoustic	Idle	34 dB		26 dB	24 dB	22 dB	19 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<sup>30</sup> = 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<sup>20</sup>, 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.

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