

Informacije o proizvodu (EN)

TOSHIBA hard disk 2TB S300 Surveillance
HDWT720UZSVA

TOSHIBA



Tehnoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

Posetite nas i uživajte u ekskluzivnom iskustvu pametne kupovine klikom na link:

<https://tehnoteka.rs/p/toshiba-hard-disk-2tb-s300-surveillance-hdwt720uzsva-akcija-cena/>

TOSHIBA

Surveillance that Keeps Watching

Toshiba S300 Surveillance Internal Hard Drive



Image does not represent actual product.

Purpose-built for consumer and commercial surveillance video systems, the Toshiba S300 Surveillance Internal Hard Drives offer up to 6 TB¹ of capacity and support up to 64 high-definition cameras⁶, allowing you to scale your storage needs to optimally align with image resolution and stable video recording requirements.

The S300 is designed for 24/7 operation¹², supporting up to one million hour MTTF/MTBF¹⁰ and up to 180 TB per year workload⁵ rating to provide peace of mind when operating around-the-clock security camera systems.

The S300 uses an energy-saving 5,400rpm design to deliver performance tuned for demanding 24/7, multi-stream surveillance environments, allowing you to capture high-quality footage in a wide range of operating conditions.

Toshiba S300 Surveillance Internal Hard Drive

Application

Surveillance Network Video Recorders (sNVR)
Surveillance Digital Video Recorders (sDVR)
Hybrid sDVR (analog and IP)



Product image may represent a design model.



Robust Performance

Workload rate of up to 180 TB/yr^{5,12}.
MTTF/MTBF up to 1 million hours¹⁰



Built to Last

Mitigate Rotational Vibration with built-in RV sensors*. Designed to work in a wide temperature range

* available on select models only



Optimized Recording & Playback

Large cache size and fast data transfer speed help reduce frame loss



High Reliability

Designed for 24/7¹² security systems



Rich Scalability

Support up to 64 HD cameras⁶



Efficient Design

Low-spin design helps reduce heat and power profile



Peace of Mind

Toshiba Three-year limited warranty⁹

Toshiba S300 Surveillance Internal Hard Drive

Capacity ¹	<u>6TB</u>	<u>4TB</u>	<u>2TB</u>
Model Number (Retail packaging)	-	-	-
Model Number (Bulk)	HDWT860UZSVA	HDWT840UZSVA	HDWT720UZSVA
Basic Specifications			
Interface	SATA 6.0 Gbit/s	SATA 6.0 Gbit/s	SATA 6.0 Gbit/s
Form Factor ¹¹	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes	Yes
Features			
Number of Cameras Supported ⁶	64	64	32
Drive Bays Supported ⁷	-	-	Up to 8
Rotational Vibration (RV) Sensors	Yes	Yes	-
Shock Sensor	Yes	Yes	Yes
Drive Stabilization Technology	Yes (Dual Tied)	Yes (Dual Tied)	Yes (Dual Tied)
Toshiba Cache Technology	Yes	Yes	Yes
Recording Technology	Drive-Managed SMR	Drive-Managed SMR	Drive-Managed SMR
Performance			
Rotational Speed [RPM]	5,400	5,400	5,400
Max Data Transfer Speed ⁴ [MB/s Typ.] (Sustained)	Up to 184	Up to 184	Up to 184
Cache Size [MB]	256	256	128
Reliability			
24x7 Operation ¹²	Yes	Yes	Yes
Workloads [TB/Year] ^{5,12}	180	180	180
MTTF/MTBF [Hours] ¹⁰	1,000,000	1,000,000	1,000,000
Unrecoverable Error Rate	1 per 10 ¹⁴	1 per 10 ¹⁴	1 per 10 ¹⁴
Load/Unload Cycles	600,000	600,000	600,000
Limited Warranty ⁹ [Years]	3	3	3
Power Management			
Supply Voltage	5 V DC ±5 % 12 V DC ±10 %	5 V DC ±5 % 12 V DC ±10 %	5 V DC ±5 % 12 V DC ±10 %
Power Consumption (Spin up (+12 V DC)) [A]	0.93	0.9	1.0
Power Consumption (Operating/Idle) [W]	4.84/2.81	4.36/2.33	4.01/2.1
Environmental			
Temperature (Operating) [°C]	0 to 70 (surface)	0 to 70 (surface)	0 to 70 (surface)
Temperature (Non-operating) [°C]	-40 to 70	-40 to 70	-40 to 70
Vibration (Operating)	4.90 m/s ² {0.5G} (5 to 350Hz) 2.45 m/s ² {0.25G} (350 to 500Hz)	4.90 m/s ² {0.5G} (5 to 350Hz) 2.45 m/s ² {0.25G} (350 to 500Hz)	4.90 m/s ² {0.5G} (5 to 350Hz) 2.45 m/s ² {0.25G} (350 to 500Hz)
Vibration (Non-Operating)	29.4 m/s ² {3.0G} (5 to 500Hz)	29.4 m/s ² {3.0G} (5 to 500Hz)	29.4 m/s ² {3.0G} (5 to 500Hz)
Shock (Operating)	686 m/s ² {70G} (2 ms duration)	686 m/s ² {70G} (2 ms duration)	686 m/s ² {70G} (2 ms duration)
Shock (Non-Operating)	2,940 m/s ² {300G} (2 ms duration)	3,430 m/s ² {350G} (2 ms duration)	3,430 m/s ² {350G} (2 ms duration)
Acoustics (Idle Mode) [dB]	24	22	21
Physical			
Height [mm Max.]	26.1	26.1	26.1
Length [mm Max.]	147.0	147.0	147.0
Width [mm Max.]	101.85	101.85	101.85
Weight [g Max.]	680	650	440
Bottom Holes Type ⁸	TYPE2	TYPE2	TYPE2

Toshiba Consumer Internal Hard Drives.

A drive for every storage application.



Image does not represent actual product.

To see our full line of consumer HDD storage products, visit: storage.toshiba.com/consumer-hdd

¹ One Gigabyte (1GB) means $10^9 = 1,000,000,000$ bytes and One Terabyte (1TB) means $10^{12} = 1,000,000,000,000$ bytes using powers of 10. A computer operating system, however, reports storage capacity using powers of 2 for the definition of $1\text{GB} = 2^{30} = 1,073,741,824$ bytes and $1\text{TB} = 2^{40} = 1,099,511,627,776$ 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 and other factors. Actual formatted capacity may vary.

² Compatibility may vary depending on user's hardware configuration, and operating system.

³ Product specifications, configurations, colors, components and features are subject to change without notice.

⁴ The maximum sustained data rate and interface speed may be restricted to the response speed of host system and by transmission characteristics. Read and write speed may vary depending on the host device, read and write conditions, and file size.

⁵ Annual Workload Rating: HDDs keep track of various drive usage such as power on hours, lifetime writes and lifetime reads from the host computer. With this data we calculate an Annualized Workload Rate, under 40 deg. C ambient environments, Annualized Workload Rate = (Lifetime Writes + Lifetime Reads) * (8760 / Lifetime Power On Hours) in case Power On time is 8760h or longer. Otherwise (i.e. Power On time is shorter than 8760h), Annualized Workload Rate = (Lifetime Writes + Lifetime Reads) Each drive is designed to perform up to the Annualized Workload Rate stated, after which the drive may be expected to decline. The Annualized Workload Rate in no way alters the warranty policy for such drive. Workload is defined as the amount of data written, read or verified by commands from host system.

⁶ Number of surveillance cameras support capability is defined by performance simulation with High Definition cameras at 10Mbps 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. Compatibility may vary depending on user's hardware configuration and operating system. "High Definition" is calculated assuming Full HD 1080p, 30fps, transfer rate of 10Mbps/stream.

⁷ For "Drive Bays Supported", please contact your Solutions Provider because the compatibility with the host device will vary based on the system.

⁸ Location of bottom mounting hole is different from product. For more information, please see the following page. <https://toshiba.semicon-storage.com/us/storage/support/faq/storage-holes.html>

⁹ Standard limited warranty applies. The warranty brochure can be viewed online at <https://storage.toshiba.com/consumer-hdd/support/warranty-info>.

¹⁰ MTTF (Mean Time to Failure) or MTBF (Mean Time Between 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 or MTBF. MTTF (Mean Time to Failure) or MTBF (Mean Time Between Failure) of the HDDs during its life time is one million hours and AFR(Annualized Failure Rate) is 0.88%. This assumes power-on hours are 24 x 7 in normal surveillance usage (8760 h/year power on hours, up to 180TB/year total data transfers, and average HDA surface temperature:40°C or less). Use at case HDA surface temperature above 40°C may degrade product reliability and reduce warranty period.

¹¹ 2.5-inch and 3.5-inch mean the form factor of HDDs. They do not indicate drive's physical size.

¹² Drive life may vary depending on usage and workload.

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Za najnovije informacije o ceni, dostupnim akcijama i tehničkim karakteristikama proizvoda koji se pominje u ovom dokumentu, molimo posetite našu stranicu klikom na sledeći link:

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