

TOSHIBA



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S300 Surveillance Hard Drives



Always On, Always Watching

With surveillance systems, nothing but the best is good enough. The Toshiba 3.5-inch S300 is built to meet the highest demands. With support for up to 64 high-resolution surveillance video cameras simultaneously and up to 6 TB capacity, it brings everything into clear view. Each S300 is built with the highest-quality components and has passed rigorous tests to ensure 24x7 reliability and performance. That's Toshiba quality you can trust under the harshest working conditions.

Use for

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

Top Features

SATA	3.5" SATA Hard Drive
RPM	5,400 rpm
	256 MB buffer (6 4 TB) 128 MB buffer (2 TB)
	Up to 64 cameras
24/7	24/7 operation

Capacities

6	4	2
TB	TB	TB



S300

Surveillance Hard Drive – 6 TB

Retail Number	n/a
Bulk Number	HDWT860UZSVA

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	SMR
Number of cameras supported	64
Drive bays supported	up to 8
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	5,400
Max. data transfer speed (sustained MB/s Typ.)	184
Buffer size (MB)	256

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,000,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Load/Unload cycle	600,000
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC ±5 % 12 V DC ±10 %
Consumption (operating)	4.84 W typ.
Consumption (active idle)	2.81 W typ.

Environmental

Temperature (operating/non-operating)	0 to 70 °C -40 to 70 °C
Vibration (operating)	4.90 m/s ² {0.50 G}(5 to 350 Hz) 2.45 m/s ² {0.25 G}(350 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,940 m/s ² {300 G} (2 ms duration)
Acoustics (idle mode)	24 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	680 g

S300

Surveillance Hard Drive – 6 TB

Retail Number	n/a
Bulk Number	HDWT860UZSVA

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	321 (L) x 406 (W) x 213 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	180 pcs
Number of Layer	4 layer
Pallet quantity	720 pcs
Pallet size	1,250 (L) x 1,030 (W) x 1,030 (H) mm
Pallet weight	553 kg
Country of Origin	China

S300

Surveillance Hard Drive – 4 TB

Retail Number	n/a
Bulk Number	HDWT840UZSVA

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	SMR
Number of cameras supported	64
Drive bays supported	up to 8
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	5,400
Max. data transfer speed (sustained MB/s Typ.)	184
Buffer size (MB)	256

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,000,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Load/Unload cycle	600,000
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC ±5 % 12 V DC ±10 %
Consumption (operating)	4.36 W typ.
Consumption (active idle)	2.33 W typ.

Environmental

Temperature (operating/non-operating)	0 to 70 °C -40 to 70 °C
Vibration (operating)	4.90 m/s ² {0.50 G}(5 to 350 Hz) 2.45 m/s ² {0.25 G}(350 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	3,430 m/s ² {350 G} (2 ms duration)
Acoustics (idle mode)	22 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	650 g

S300
Surveillance Hard Drive – 4 TB

Retail Number	n/a
Bulk Number	HDWT840UZSVA

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	321 (L) x 406 (W) x 213 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	180 pcs
Number of Layer	4 layer
Pallet quantity	720 pcs
Pallet size	1,250 (L) x 1,030 (W) x 1,030 (H) mm
Pallet weight	373 kg
Country of Origin	China

S300

Surveillance Hard Drive – 2 TB

Retail Number	n/a
Bulk Number	HDWT720UZSVA

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	SMR
Number of cameras supported	64
Drive bays supported	up to 8
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	5,400
Max. data transfer speed (sustained MB/s Typ.)	184
Buffer size (MB)	128

Reliability

Workloads (TB/year)	180
MTTF (hours)	1,000,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Load/Unload cycle	600,000
Limited warranty (years)	3

Power Management

Supply voltage	5 V DC ±5 % 12 V DC ±10 %
Consumption (operating)	4.01 W typ.
Consumption (active idle)	2.08 W typ.

Environmental

Temperature (operating/non-operating)	0 to 70 °C -40 to 70 °C
Vibration (operating)	4.90 m/s ² {0.50 G}(5 to 350 Hz) 2.45 m/s ² {0.25 G}(350 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	3,430 m/s ² {350 G} (2 ms duration)
Acoustics (idle mode)	21 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	440 g

S300

Surveillance Hard Drive – 2 TB

Retail Number	n/a
Bulk Number	HDWT720UZSVA

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	321 (L) x 406 (W) x 213 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	180 pcs
Number of Layer	4 layer
Pallet quantity	720 pcs
Pallet size	1,250 (L) x 1,030 (W) x 1,030 (H) mm
Pallet weight	371 kg
Country of Origin	China