TOSHIBA





View more

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 simultaneiously 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)
64	Up to 64 cameras
24/7	24/7 operation

Capacities

6 TB | 4 TB | 2 TB

TOSHIBA

Write your story.

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/s2 {0.50 G}(5 to 350 Hz) 2.45 m/s2 {0.25 G}(350 to 500 Hz)
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s2 {70 G} (2 ms duration)
Shock (non-operating)	2,940 m/s2 {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

Copyright © 2025 Toshiba Electronics Europe GmbH. All Rights Reserved. Product specifications, configurations, prices and component / options availability are all subject to change without notice. Product design, specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted. 06/2025.

TOSHIBA

Write your story.

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

Copyright © 2025 Toshiba Electronics Europe GmbH. All Rights Reserved. Product specifications, configurations, prices and component / options availability are all subject to change without notice. Product design, specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted. 06/2025.

TOSHIBA

Write your story.

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/s2 {0.50 G}(5 to 350 Hz) 2.45 m/s2 {0.25 G}(350 to 500 Hz)
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s2 {70 G} (2 ms duration)
Shock (non-operating)	3,430 m/s2 {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

Copyright © 2025 Toshiba Electronics Europe GmbH. All Rights Reserved. Product specifications, configurations, prices and component / options availability are all subject to change without notice. Product design, specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted. 06/2025.

TOSHIBA

Write your story.

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

Copyright © 2025 Toshiba Electronics Europe GmbH. All Rights Reserved. Product specifications, configurations, prices and component / options availability are all subject to change without notice. Product design, specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted. 06/2025.

TOSHIBA

Write your story.

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/s2 {0.50 G}(5 to 350 Hz) 2.45 m/s2 {0.25 G}(350 to 500 Hz)
Vibration (non-operating)	29.4 m/s2 {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s2 {70 G} (2 ms duration)
Shock (non-operating)	3,430 m/s2 {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

Copyright © 2025 Toshiba Electronics Europe GmbH. All Rights Reserved. Product specifications, configurations, prices and component / options availability are all subject to change without notice. Product design, specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted. 06/2025.

TOSHIBA

Write your story.

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

Copyright © 2025 Toshiba Electronics Europe GmbH. All Rights Reserved. Product specifications, configurations, prices and component / options availability are all subject to change without notice. Product design, specifications and colours are subject to change without notice and may vary from those shown. Errors and omissions excepted. 06/2025.