Video/Surveillance

S300 Surveillance Hard Drive

Capture every detail



10 TB | 8 TB | 6 TB | 5 TB | 4 TB

Color

Toshiba's 3.5-inch S300 Surveillance Hard Drive is designed and tested for 24/7 reliable surveillance, built for speed, capacity, and longer content retention. Capture and analyse every frame from up to 64 video cameras in high resolution with the S300. Space is important to continually capture a history of video evidence over a period of time. With up to 10 TB you get the capacity to record and play back the events in real-time in high resolution and with object identification and face recognition.

Use for:
- Surveillance Digital Video Recorders (sDVR)
- Surveillance Network Video Recorders (sNVR)
- Hybrid sDVR (analog and IP)
- RAID Storage Arrays for Surveillance

- SATA 3.5" SATA Hard Drive
- RPM 7200 / 5400 rpm
- 256 / 128 MB buffer
- 24/7 operation
- Supports up to 64 video cameras
- High reliability and enhanced real-time performance
- Toshiba Dynamic Cache Technology
- Toshiba Stable Platter Technology
- High-endurance design
- 3-year warranty

Manual

Toshiba_Installation_and_Safety.pdf

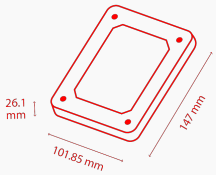
Tools

TOSHIBA_Storage_Diagnostic_Tool.zip





Product Specifications



Basic Specifications

Form factor	3.5-inch
Interface	6.0 Gbit/s
Number of cameras supported	64 (6 TB - 10 TB), 32 (4 TB, 5 TB)
Drive bays supported	8+ (6 TB - 10 TB), 1 to 8 (4 TB, 5 TB)
Rotational Vibration (RV) Sensors	Yes
Advanced Format (AF)	Yes
RoHS compatible	Yes
Halogen Free	Yes
Shock Sensor	Yes

Performance

Rotational speed	7,200 rpm
Buffer size	256 MB (6 TB - 10 TB), 128 MB (4 TB, 5 TB)
Data transfer speed	248 MB/s Typ. (10 TB), 241 MB/s Typ. (6 TB, 8 TB), 157 MB/s Typ. (4 TB, 5 TB)
Average latency	4,17 ms (6 TB - 10 TB), 5,56 ms (4 TB, 5 TB)
Native Command Queing (NCQ)	supported

Reliability

Workloads	180 TB/year (6 TB - 10 TB),110 TB/year (4 TB, 5 TB)
MTTF	1,000,000 hours
Unrecoverable error rate	1 per 10E14 bits read
24/7 operation	Yes
Load / Unload Cycle	600,000
Limited warranty	3 years

Power Management

Supply voltage	5VDC +6/-5%; 12VDC ±10% (6TB - 10TB) , 5VDC ±5%; 12VDC ±10% (4TB, 5TB)
Consumption (operating)	9.48 W typ. (10 TB), 8.61 W typ. (8 TB), 7.88 W typ. (6 TB), 7.5 W typ. (4 TB, 5 TB)
Consumption - Active Idle	7.15 W typ. (10 TB), 6.33 W typ. (8 TB), 5.59 W typ. (6 TB), 4.00 W typ. (4 TB, 5 TB)

Environmental

Temperature (operating / non-operating)	0 to 70° C / -40 to 70°C
Vibration (operating)	0.75 G (5 to 300 Hz) 0.25 G (300 to 500 Hz)
Vibration (non-operating)	3.0 G (5 to 500Hz) (6 TB - 10 TB), 5.0 G (5 to 500Hz) or less (4 TB, 5 TB)
Shock (operating)	70 G / 2 ms duration
Shock (non-operating)	250 G / 2 ms duration (6 TB - 10 TB), 300 G / 2 ms duration (4 TB, 5 TB)
Acoustics (idle mode)	34 dB typ. (6 TB - 10 TB), 26 dB typ. (4 TB, 5 TB)

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight (approx.)	770 g max. (6 TB - 10 TB), 720 g max. (4 TB, 5TB)

Box Content

Box Content	3.5-inch internal hard drive - S300 Surveillance Hard Drive

Product Range

Part number	Capacity	Color
HDWT31AUZSVA (Bulk)	10 TB	-
HDWT380UZSVA (Bulk)	8 TB	-
HDWT360UZSVA (Bulk)	6 TB	-
HDWT150UZSVA (Bulk)	5 TB	-
HDWT140UZSVA (Bulk)	4 TB	-

Logistical Information:

Box dimensions	n/A
Box weight (gross)	n/A
Master carton dimensions	321 x 406 x 213 mm
Master carton weight (gross)	16 kg (typ.), 11 kg (typ.) (1TB, 500GB)
Boxes per master carton	20
Pallet dimensions	n/A
Pallet weight (net)	n/A
Units per pallet	180

Contact

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