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

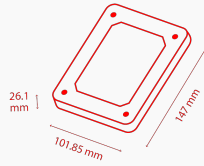High-endurance design
3-year warranty

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 (6 TB - 10 TB), 5,400 rpm (4 TB, 5 TB)
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

Box Content

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

Physical

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

Environmental

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

Power Management

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)
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)
Supply voltage	5VDC +6/-5%; 12VDC ±10% (6TB - 10TB) , 5VDC ±5%; 12VDC ±10% (4TB, 5TB)

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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