

Video/Surveillance

S300 Surveillance Hard Drive

Always On, Always Watching



4 2
TB TB

Color

EMEA Region, Toshiba Storage Solutions - 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 32 high-resolution surveillance video cameras simultaneously and up to 4 TB capacity, it brings everything into clear view. Each S300 is built with the highest-quality components and has passed rigorous tests to ensure 24 x 7 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)
- RAID Storage Arrays for Surveillance




- SATA** 3.5" SATA Hard Drive
- RPM** 5400 rpm
- Cache** 128 MB buffer
- 24/7** 24/7 operation
- Cameras** Supports up to 32 video cameras
- Reliability** High reliability and enhanced real-time performance
- Cache** Toshiba Dynamic Cache Technology
- Platters** Toshiba Stable Platter Technology
- Design** High-endurance design
- Warranty** 3-year warranty

Manual

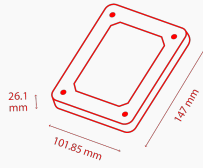
[Toshiba Installation and Safety.pdf](#) 

Tools

[ToshibaStorageDiagnosticTool_1.30.8920.zip](#) 



Product Specifications



Basic Specifications

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

Performance

| | |
|---|--|
| Rotational speed | 5,400 rpm |
| Max. data transfer speed (sustained) | 157 MB/s Typ. (4 TB CMR) 184MB/s Typ. (2TB, 4 TB SMR) |
| Buffer size | 128 MB (2 TB, 4 TB) |
| Average latency | 5,56 ms (2 TB, 4 TB) |
| Native Command Queing (NCQ) | supported |

Reliability

| | |
|---------------------------------|---|
| Workloads | 110 TB/year (4 TB) 180 TB/year (2 TB, 4 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

| | |
|--------------------------------|---|
| Consumption (operating) | 7.5 W typ. (4 TB) 4.11 W typ. (4 TB) 4.01 W typ. (2 TB) |
|--------------------------------|---|

Box Content

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

Physical

| | |
|-------------------------|---|
| Weight (approx.) | 720 g max. (4 TB) 650 g max. (4 TB) 440 g max. (2 TB) |
| Dimensions | 147 (L) x 101.85 (W) x 26.1 (H) mm |

Environmental

| | |
|--|---|
| Acoustics (idle mode) | 26 dB typ. (4 TB) 22 dB typ. (4 TB) 21 dB typ. (2 TB) |
| Shock (non-operating) | 2940 m/s ² 300 G / 2 ms duration (4 TB) 3430 m/s ² 350 G / 2 ms duration (4 TB) 3430 m/s ² 350 G / 2 ms duration (2 TB) |
| Shock (operating) | 686 m/s ² 70 G / 2 ms duration |
| Vibration (non-operating) | 29.4 m/s ² {3.0 G} (5 to 500 Hz) |
| Vibration (operating) | 7.35 m/s ² {0.75 G} (5 to 300 Hz) 2.45 m/s ² {0.25 G} (300 to 500 Hz) (4 TB) 4.90 m/s ² {0.50 G} (5 to 350 Hz) 2.45 m/s ² {0.25 G} (350 to 500 Hz) (4 TB) 4.90 m/s ² {0.50 G} (5 to 350 Hz) 2.45 m/s ² {0.25 G} (350 to 500 Hz) (2 TB) |
| Temperature (operating / non-operating) | 0 to 70° C / -40 to 70°C |

Product Range

| Part number | Capacity | Color |
|--------------------|----------|-------|
| HDWT140UZSVA (CMR) | 4 TB | - |
| HDWT740UZSVA (SMR) | 4 TB | - |
| HDWT720UZSVA (SMR) | 2 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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