

Toshiba S300 Pro 8TB Internal Surveillance Hard Drive

3.5-inch SATA Surveillance HDD - 24/7 Recording - 7200 rpm - 512 MB Buffer

Important model note: Current Toshiba official listings show the 8TB surveillance model under the S300 Pro range. Current 8TB bulk number: MD10ADA800V. Older market listings may reference HDWT380UZSVA, which appears in Toshiba archived/EOL S300 Pro documentation with different buffer/warranty values. Confirm the sticker part number before final quotation.

Overview:

The Toshiba S300 Pro 8TB Surveillance Hard Drive is designed for professional DVR/NVR surveillance storage where continuous video recording, high reliability, and long retention are required. It is suitable for security systems using multiple HD camera streams, video management systems, hybrid DVRs, and surveillance RAID storage arrays.

Key Features:

- 8TB storage capacity for long video retention in surveillance systems.
- 3.5-inch SATA 6.0 Gbit/s internal hard drive for DVR/NVR use.
- 7200 rpm performance for demanding video recording workloads.
- 512 MB buffer on the current 8TB S300 Pro model.
- Supports up to 64 video cameras depending on recorder and stream settings.
- 24/7 operation for continuous surveillance recording environments.
- CMR recording technology for reliable surveillance workload performance.
- Rotational Vibration (RV) Sensors and Shock Sensor for multi-bay systems.
- 300 TB/year workload rating and 1,200,000 hours MTTF on the current S300 Pro 8TB datasheet.
- 5-year limited warranty according to Toshiba current S300 Pro datasheet.

Technical Specifications:

Product Name	Toshiba S300 Pro 8TB Internal Surveillance Hard Drive
Model Name	S300 Pro 8TB
Bulk Number	MD10ADA800V
Brand	Toshiba
Product Type	Internal Surveillance Hard Drive
Capacity	8 TB
Form Factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Sector / Advanced Format	Advanced Format (AF): Yes
Rotational Speed	7,200 rpm
Buffer Size	512 MB
Max. Sustained Data Transfer	281 MB/s Typ.

Number of Cameras Supported	Up to 64 cameras
Drive Bays Supported	Up to 24
24/7 Operation	Yes
Workload Rating	300 TB/year
MTTF	1,200,000 hours
Unrecoverable Error Rate	1 per 10 ¹⁴ bits read
Load/Unload Cycle	600,000
RV Sensors	Yes
Shock Sensor	Yes
Supply Voltage	5 VDC +10 / -7%; 12 VDC ±10%
Power Consumption	Operating: 9.07 W typ.; Active idle: 5.74 W typ.
Operating Temperature	0 to 65°C
Non-operating Temperature	-40 to 70°C
Operating Shock	686 m/s ² {70 G}, 2 ms duration
Non-operating Shock	2,450 m/s ² {250 G}, 2 ms duration
Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	755 g
Warranty	5 Years Limited Warranty

Applications:

- Surveillance Network Video Recorders (NVR).
- Surveillance Digital Video Recorders (DVR).
- Hybrid DVR systems for analog and IP cameras.
- Video management systems and surveillance servers.
- RAID storage arrays for surveillance recording.
- CCTV projects requiring long archive retention and 24/7 operation.

Connect Gates Recommendation:

Recommended for medium to large CCTV systems that require stable 24/7 recording, multi-camera support, and high storage endurance. For quotation accuracy, confirm the exact Toshiba part number on the physical HDD label, especially if the supplied unit is HDWT380UZSVA instead of MD10ADA800V.

Quotation Version:

8TB 3.5-inch SATA surveillance hard drive.
 Designed for 24/7 DVR/NVR recording.
 7200 rpm performance with 512 MB buffer.
 Supports up to 64 cameras depending on system design.
 CMR recording technology.
 RV Sensors and Shock Sensor for multi-bay reliability.
 300 TB/year workload rating.
 5-year limited warranty.

Technical Specifications:

Model Name	S300 Pro 8TB
Bulk Number	MD10ADA800V
Capacity	8 TB
Form Factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Speed	7200 rpm
Buffer	512 MB
Recording Technology	CMR
Cameras Supported	Up to 64
Operation	24/7
Workload	300 TB/year
Warranty	5 Years

Source Basis:

Prepared according to Toshiba official S300 Pro 8TB datasheet and Toshiba official S300/S300 Pro product pages. All specifications must be confirmed against the final supplied part number and local distributor warranty terms.