

HDD TOSHIBA 24 TB Serial ATA III Buffer 1024 MB 7200 RPM 3.5 MG11ACA24TE-V

Model: MG11ACA24TE-V

Manufacturer: TOSHIBA

Product Code: 405800

R22,279 ~~R23,142~~

The Toshiba S300 AI Surveillance Hard Drive is designed for professional environments and large-scale surveillance infrastructures. Supporting up to 24 TB of storage, it can manage video feeds from up to 64 cameras while delivering real-time AI analytics on 32 simultaneous streams — all without dropping a single frame. Designed for nonstop operation, it ensures smooth capture and analysis of large data volumes — keeping your system responsive and reliable, even under a heavy load.

Future-ready performance

Trust Toshiba’s expertise to power a surveillance system that works as hard as you do. The S300 AI Surveillance Hard Drive delivers continuous, high performance with up to 24 TB of storage and support for 64 cameras and 32 AI streams. Built for AI-driven environments, it’s optimized for

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nonstop video capture and intelligent analysis of large data volumes.

No detail left behind

In intelligent surveillance, precision is everything. Frame drops can mean missed moments — and missed opportunities. That’s why the Toshiba S300 AI is engineered for peak performance, capturing fast motion, fine detail, and facial recognition with unwavering accuracy. With capacities from 8 TB to 24 TB, it’s built for 24/7 reliability, high-volume data analysis and long-term video retention - ideal for large-scale deployments where every frame counts.

Scalable performance you rely on

Designed for AI-enhanced surveillance, the S300 AI supports up to 64 cameras and 32 AI streams—making it easy to scale as your security needs grow. From DVRs and NVRs to advanced video management systems, the S300 AI delivers nonstop performance—so you can focus on what matters most.

Speedy insights you can act on

In AI-powered surveillance, performance isn’t optional — it’s critical. The Toshiba S300 AI delivers high throughput for uninterrupted 24/7 recording and rapid video retrieval, ensuring your system stays responsive when it matters most. From real-time AI analytics and insights to long-term video retention, it’s built to keep pace with intelligent monitoring - so you never miss a moment.

Stable AI performance without compromise

The Toshiba S300 AI is engineered for high-performance AI workloads, delivering uncompromising reliability and speed. Its firmware is optimized for AI-enhanced environments, ensuring smooth operation. Further, it supports massive additional random write access, making it ideal for the intensive demands of AI-driven analytics. Whether it's real-time data flow or frame-perfect surveillance, the S300 AI ensures seamless performance with zero dropped frames and responsive performance — even under the pressure of continuous, complex data streams.

Enterprise grade reliability

The Toshiba S300 AI is purpose-built for reliability in mission-critical surveillance environments, featuring high-endurance components that perform exceptionally under continuous, AI-driven video workloads. With a robust 2.5 million-hour MTTF and a 550 TB-per-year workload rating, it’s the ideal

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choice for intelligent surveillance and demanding video analytics systems.

Helium-sealed by Toshiba for high density
Conventional Magnetic Recording (CMR) hard drives with 14 TB or more feature a helium-sealed design that enables high storage density with low power consumption. The helium fill is permanently secured using Toshiba Group’s precision laser welding technology.

Built to deliver, designed to last
Toshiba is renowned the world over for 50 years of leading innovation – and the power behind its range of hard drives is no exception. Designed for high capacity and excellent performance, you can be sure that Toshiba’s wealth of experience in hard drives is at work in your storage system. A five year extended warranty is also included with the S300 AI for the ultimate peace of mind.

- AI Video Analytics Server and Storage Systems
- Centralized Surveillance Data Storage Systems
- Video Archive and Data Recovery Systems
- Multi-Bay-RAID Storage for Surveillance Data

Summary: Toshiba MG11ACA24TE-V. HDD capacity: 24 TB, HDD speed: 7200 RPM, Storage drive buffer size: 1024 MB, HDD size: 3.5", Interface: Serial ATA III | Vendor Homepage: https://www.toshiba-storage.com/products/s300ai-surveillance-hard-drive/ | HDD capacity: 24000 | HDD speed: 7200 | Storage drive buffer size: 1024 | HDD size: 3.5 | Interface: Serial ATA III | Type: HDD | Component for: Surveillance system | HDD interface transfer rate: 6 | HDD sustained transfer rate: 309 | 24/7 operation: Yes | Mean time between failures (MTBF): 2500000 | Operating temperature (T-T): 5 - 60 | Storage temperature (T-T): -40 - 70 | Operating vibration: 0.75 | Non-operating vibration: 3 | Operating shock: 50 | Non-operating shock: 200 | Width: 101.85 | Depth: 147 | Height: 26.1 | Weight: 730 | Unit Calculated Weight: 0.76 | Product Net Weight: 0.73 | Unit Calculated Volume: 0.001515 | Units per Shipping Box: 20 | Unit Width: 2.5 | Units per Pallet: 0 | Shipping Box Height: 29 | Unit Depth: 15 | Unit Height: 10 | Name: HDD SATA 24TB 7200RPM 1024MB/S300 AI MG11ACA24TE-V TOSHIBA

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