

Product Overview

SV35.4 Series™

Eco-friendly 3.5-inch hard drives designed for surveillance digital video recording

Key Features and Benefits

Increased surveillance digital video recorder (SDVR) performance

- SATA interface enables increased video data rates (3 Gb/s)
- Optimized for recording of multiple, simultaneous standard or high-resolution video streams
- SATA interface enables multi-drive SDVRs with up to 3-Gb/s performance
- ATA-7 streaming commands allow data reads/writes to be tailored for increased video streaming performance.
- Higher areal density for cost-effective DVR applications
- Enhanced caching capabilities enable superior video recording quality

Higher Reliability

- Designed for 24x7 operation and high write duty cycles
- >1 million hours MTBF and <1 percent AFR in 24x7 video surveillance applications
- Capable of operating under drive case temperatures of up to 75°C
- Lower power consumption and reduced heat generation
- EMI compliance with minimal emitted vibration for improved system integration

Tailored for the video surveillance industry

- Technical and marketing support infrastructure dedicated to video surveillance customers
- Fourth-generation SV35.4 Series drives—dedicated to evolve with emerging video surveillance industry requirements
- Backed by the Seagate 5-year limited warranty

Best-Fit Applications

- Video surveillance digital video recorders (SDVR)
- Video surveillance network digital video recorders (SNVR)
- Direct-attached and network-attached JBOD video surveillance storage



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Improved Reliability

- Power management features include lower startup current, which enables the design of low-cost power supplies.
- Intelligent workload monitoring senses specific workload profiles that can stress key systems and then takes corrective action.
- With an MTBF of over one million hours and an annual failure rate of less than 1 percent, SV35.4 Series drives can withstand the intense duty cycles common in SDVR applications.
- Capable of operating at base plate temperatures of up to 75°C, and the 20-mm form factor provides added ventilation.

Maximum Performance

Video security drives are designed primarily for streaming video.

- SATA's increased video data rates (3 Gb/s) enable higher-performance video recording.
- ATA-7 command set support enables read/write profiles for video-specific applications.
- SV35.4 Series drives move video data at up to 3 Gb/s, enabling multi-drive SDVRs to deliver superior performance.

Specifications	
Capacity (GB)	320*
Eco-Friendly Low Power Consumption	40% improvement
Startup Power, 12V Line (amps)	2.0
Reliability (MTBF/AFR)	>1 million hours**/<1%
Interface	SATA 3Gb/s

*Higher capacities to follow
**At 25°C ambient with HDD case within 15°C above ambient

Industry-Leading Innovation and Support

- The SV35.4 Series drives are the only hard drives designed and optimized solely for video surveillance, with perpendicular recording technology.
- Backed by the Seagate 5-year limited warranty
- Supported by a team of dedicated Seagate surveillance resources

Enabling Technology Innovation

Hard drive-based systems with lower power consumption enable eco-friendly surveillance systems and an enhanced range of capabilities.

Surveillance-Optimized Hard Drives Deliver

Video surveillance applications place enormous demands on storage solutions. SV35.4 Series drives ensure that the dual SDVR demands of reliability and smooth video streaming are met, all while working in a relentless 24x7 operating environment.

New Customer Requirements

The SV35.4 Series hard drive represents the ongoing commitment of Seagate to a rapidly growing category of technology and customers. Seagate Design Service Centers are committed to providing integration and educational information to surveillance customers and to growing the capabilities of storage products for digital video recording in the surveillance sector. Technical and advanced application design advice is available from Seagate Design Service Centers located throughout the world.

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