

Product Overview

SV35.5 Series™

High-performance, high-capacity drives designed specifically for surveillance digital video recording

Key Features and Benefits

Increased surveillance digital video recorder (SDVR) performance

- Full range of capacities, including 1 TB, 500 GB and 250 GB
- SATA interface enables increased video data rates (3 Gb/s)
- Optimized for recording of multiple, simultaneous standard or high-resolution video streams
- 7200 RPM for maximum speed and multi-drive SDVR 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 70°C
- Low power consumption and reduced heat generation
- EMI compliance with minimal emitted vibration for improved system integration
- Backed by the Seagate 5-year limited warranty

Tailored for the video surveillance industry

- Technical and marketing support infrastructure dedicated to video surveillance customers
- Fifth-generation SV35.5 Series drives—dedicated to evolve with emerging video surveillance industry requirements

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

- Intelligent workload monitoring senses specific workload profiles and takes corrective action, if necessary.
- With an MTBF of over one million hours and an annual failure rate of less than 1 percent, SV35.5 Series drives can withstand the intense duty cycles common in SDVR applications.
- Capable of operating at base plate temperatures of up to 70°C.

Maximum Performance

Video surveillance 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.
- SV35.5 Series drives operate at 7200-RPM for maximum performance in multi-drive SDVRs.

Specifications	
Capacities	1 TB, 500 GB, 250 GB
Sustained Data Rate, Sequential Writes	140 MB/s
Simultaneous HD Streams Supported	12
MTBF/Annualized Failure Rate	>1M Hrs./<1%
Spin Speed	7200 RPM
Interface	SATA 3Gb/s

Industry-Leading Innovation and Support

- The SV35.5 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

Power management features include lower startup current, which enables the integration design with lower-cost power supplies.

Surveillance-Optimized Hard Drives Deliver

Video surveillance applications place enormous demands on storage solutions. SV35.5 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 SV35.5 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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