

Product Overview

SV35.3 Series™

250-GB to 1-TB hard drives for SDVRs

Hard drives designed and optimized for digital video surveillance—enabling greater capacity, reliability, performance and features in surveillance digital video recorders

Key Features and Benefits

Increased surveillance digital video recorder (SDVR) performance

- SATA interface enables increased video data rates (480 Mb/s)
- Optimized for recording of multiple, simultaneous video streams
- Seagate® SV35.3 Series™ drive 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 Reliability

- Designed for 24x7 operation and high write duty cycles
- >1 million hours MTBF in 24x7 video surveillance applications
- Capable of operating under drive case temperatures of up to 75°C
- Lower power consumption and reduced heat generation

Tailored for the video surveillance industry

- Technical and marketing support infrastructure dedicated to video surveillance customers
- Third-generation SV35.3 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



SV35.3 Series

250-GB to 1-TB hard drives for SDVRs



Increased Capacity

Massive capacity—up to 1 TB—stores up to 289 days of digital video or 32 days in high resolution.¹

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, SV35.3 Series drives can withstand the intense duty cycles common in SDVR applications.
- Capable of operating at base plate temperatures of up to 75°C

Maximum Performance

Video security drives are designed primarily for streaming video.

- SATA's increased video data rates (480 Mb/s) enable higher-performance video recording.
- ATA-7 command set support enables read/write profiles for video-specific applications.
- SV35.3 Series drives move video data at up to 3 Gb/s, enabling multi-drive SDVRs to deliver superior performance.

¹ 289 days at 10 fps and 640x480 resolution; 32 days at 30 fps and 720x480 resolution with MPEG4 compressed video (I and P frames only). Actual recording times may vary based on video quality and compression format.

Specifications	
Video Capacity (24x7 operation) 720x480 @ 30 fps* 640x480 @ 10 fps*	up to 32 days up to 289 days
Startup Power, 12V Line (amps)	2.0
Reliability (MTBF/AFR)	>1 million hours**/<1%
Interface	SATA 3Gb/s

* Compressed

** At 25°C ambient with HDD case within 15°C above ambient

Industry-Leading Innovation and Support

- The SV35.3 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 abundant storage capacity enable an enhanced range of capabilities:

- Higher image resolution/high-definition video recording/megapixel video recording
- Increased active camera deployments
- Longer archival periods
- Intelligent video analytics

Surveillance-Optimized Hard Drives Deliver

Video surveillance applications place enormous demands on storage solutions. SV35.3 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 SV35.3 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.

www.seagate.com

1-800-SEAGATE (1-800-732-4283)

AMERICAS
ASIA/PACIFIC
EUROPE, MIDDLE EAST AND AFRICA

Seagate Technology LLC 920 Disc Drive, Scotts Valley, California 95066, United States, 831-438-6550
Seagate Technology International Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888
Seagate Technology SAS 130-136, rue de Sully, 92773 Boulogne-Billancourt Cedex, France, 33 1-41 86 10 00