

## 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)
- Optimised for recording of multiple, simultaneous standard or high-resolution video streams
- 7,200 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 per cent 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- and network-attached JBOD video surveillance storage



# SV35.5 Series™

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



## 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 one per cent, 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 7,200-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/Annualised Failure Rate	>1M Hrs./<1%
Spin Speed	7,200 RPM
Interface	SATA 3-Gb/s

## Industry-leading Innovation and Support

- The SV35.5 Series drives are the only hard drives designed and optimised 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 design of low-cost power supplies.

## Surveillance-optimised 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 Centres 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 Centres located throughout the world.

[www.seagate.com](http://www.seagate.com)

Toll free: 00 8004 SEAGATE (732 4283)

(non toll free: 001 405 324 4714)

AMERICAS Seagate Technology LLC 920 Disc Drive, Scotts Valley, California 95066, United States, +1 831 438 6550  
ASIA/PACIFIC Seagate Technology International Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, +65 6485 3888  
EUROPE, MIDDLE EAST AND AFRICA Seagate Technology SAS 130-136, rue de Silly, 92773 Boulogne-Billancourt Cedex, France, +33 1 41 86 10 00

Copyright © 2009 Seagate Technology LLC. All rights reserved. Printed in USA. Seagate, Seagate Technology and the Wave logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. SV35.5 Series is either a trademark or registered trademark of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. When referring to hard drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Seagate reserves the right to change, without notice, product offerings or specifications. PO0086.2-0903GB, March 2009