

Product Overview

## DB35 SERIES

80GB to 750GB disc drives

**High reliability, customised performance and massive capacity for the next generation of DVRs**

### Key Features and Benefits

- DynaPlay technology—optimises the drive for operation in a digital video recorder (DVR) environment
- High capacity—enables new television services, such as video on demand, high-definition DVRs and home media centres
- Long-haul reliability—designed for worry-free DVR operation, season after season

### Key Specifications

- Ten simultaneous standard TV streams
- Up to 750 hours of standard TV capacity
- Up to 125 hours of high-definition TV capacity
- 2.0-amp spinup power limit
- Low 7.5-watt operational power consumption



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## The Seagate Advantage

DVR manufacturers need to custom-fit storage to their individual system. The Seagate® DB35 Series redefines value for high-definition video systems and lets manufacturers optimise HDD performance for demanding DVR environments.

DynaPlay Technology from Seagate gives manufacturers special features for tuning the DVR operations.

- Performance optimisation tunes the drive for the sequential streaming needed for uninterrupted digital media.
- Drive security tools enhance fair use of digital programming by helping manufacturers implement appropriate digital rights management technologies.
- Power optimisation allows the manufacturer more leeway in selecting cost-efficient power supplies. These tools also help to keep DVR internal temperatures under control for enhanced system reliability.

Seagate Design Service Centers provide design and testing support that helps DVR manufacturers bring products to market faster, with enhanced reliability and performance.

## Applications

- Digital video recorders (DVR)
- Home media servers

Specifications	
Rotational Speed (RPM)	7,200
SDTV Capacity (hours)	up to 750
HDTV Capacity (hours)	up to 125
Simultaneous SDTV Streams	10*
Simultaneous HDTV Streams	10**
Interface	ATA/100***, SATA
Startup Power, 12V Line (amps)	2.0
AFR (percent)	<1

\* Assumes 256-Byte host buffer per stream

\*\* Assumes 2-Mbyte host buffer per stream

\*\*\* Compatible with UDMA-2, -3 and -4

## Compatibility

The DB35 Series is compatible with UDMA-2, -3 and -4 interface chipsets, while offering Serial ATA options for high-definition DVR systems.

## New Customer Requirements

The DB35 Series delivers the reliability, capacity and performance to drive the next generation of DVRs. Inveterate entertainment consumers can easily archive entire seasons of television programming. Home media centres become a reality with capacity for movies, photos, music and home video.

DB35 Series drives are available in capacities from 80GB to 750GB. Set-top box and HDD recorder OEMs can segment product lines: up to 160GB for single-tuner standard definition products and 250GB to 750GB for multi-tuner, high-definition, home media server set-top boxes and HDD recorders. DVR applications often have unique operating requirements for each device. DynaPlay Technology tunes the drive for optimal video performance, low power consumption and digital rights management.

## Enabling new Opportunities

DVRs have reached critical mass, with an expected worldwide install base of over 135 million households by 2010 (IMS Research, 2006). DVR-capable products have become a key strategy of staying competitive for U.S.-based satellite and cable companies. The fast-growing Asia-Pacific market leads the world in product diversity combined with optical and VCR technology sold at retail. Emerging devices supporting IPTV video delivery, as well as other internet-connected video appliances, are coming on the scene. Seagate provides active storage solutions for any DVR or video storage device, enabling our customers to keep up with growing demands for entertainment content storage.

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

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