

PRODUCT OVERVIEW

DB35 Series

80- to 500-Gbyte disc drives

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



KEY FEATURES AND BENEFITS

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

KEY SPECIFICATIONS

- Ten simultaneous standard TV streams
- Up to 500 hours of standard TV capacity
- Up to 85 hours of high-definition capacity
- 2.0-amp spinup power limit
- Low 7.5-watt operational power consumption

DB35 Series

160- and 500-Gbyte disc drives

THE SEAGATE ADVANTAGE

DVR manufacturers need to custom-fit storage to their individual system. The DB35 Series redefines value for high video capacities and lets manufacturers optimize HDD performance for demanding DVR environments.

DynaPlay Technology from Seagate® gives manufacturers several features for controlling the drive's operating parameters.

- Performance optimization 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 optimization 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.

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 centers become a reality with capacity for movies, photos, music and home video.

DB35 Series drives are available in capacities from 80 to 500 Gbytes. Set-top box and HDD recorder OEMs can segment product lines: up to 160 Gbytes for single-tuner standard definition products and 250 to 500 Gbytes 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.

SPECIFICATIONS

Rotational Speed (RPM)	7200 RPM
SDTV Capacity (hours)	up to 500
HDTV Capacity (hours)	up to 85
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

APPLICATIONS

- Digital video recorders (DVR)
- Home media servers

COMPATIBILITY

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

ENABLING NEW OPPORTUNITIES

DVRs are reaching critical mass in customer acceptance, with expected worldwide consumption of 65 million units in 2009 (Gartner, April 2005).

Today major global satellite TV operators are virtually unanimous in offering DVR service, with US cable operators opening huge new markets for the service. The fast growing Asian Pacific market leads the world in product diversity combined with optical and VCR technology sold at retail.

For more information, go to www.seagate.com

Storage Segments

Network Storage

Server Storage

High-Density Storage

Nearline Storage

Low-Cost Server

PC Commercial

PC Consumer

Notebook

Automotive

DVR

Gaming/Audio/Other

Government

Handheld

