



WD AV

PATA/SATA Hard Drives

**Designed for 24x7
audio and video
environments.**

24x7 reliability

7200 RPM performance

Available in PATA/SATA

WD AV hard drives take advantage of significant design advances in WD's storage technology by incorporating SilkStream™ streaming with whisper-quiet acoustics, 7200 RPM performance, and thermally optimized operation. These design advances enable unparalleled reliability and low cost of ownership for manufacturers of digital video recording devices.



PUT YOUR LIFE ON IT®



WD AV

PATA/SATA Hard Drives



Product Features

24x7 reliability

With a MTBF of 1 million hours, these drives are designed to last in always-on streaming digital audio/video environments such as PVR/DVR, DVR recorders, and surveillance video recorders.

Quiet

Noise levels have been minimized to less than one sone* – virtually below the threshold of human hearing.

PATA or SATA interface

Although most systems use hard drives with a SATA interface, some unique or legacy systems require drives with a PATA interface.

Compatible

Tested for compatibility in a broad range of AV products including set top boxes, DVD recorders, and mainstream surveillance systems.

IntelliSeek™

Optimizes seek speeds to lower power consumption, noise and vibration.

SilkStream

Optimized for smooth, continuous digital video playback of up to twelve simultaneous HD streams.** SilkStream is compatible with the ATA streaming command set allowing CE customers to use standard streaming management and error recovery options.

1 million hours MTBF

Best-in-class reliability for mainstream 3.5-inch form-factor AV storage.***

Ramp Load

Parks the recording heads off the disk surface during spin up, spin down, and when the drive is off. This ensures the recording head never touches the disk surface resulting in improved long term reliability due to less head wear, and improved non-operational shock tolerance.

Preemptive Wear Leveling (PWL)

The drive arm frequently sweeps across the disk to reduce uneven wear on the drive surface common to audio/video streaming applications.

*A sone is a subjective unit of loudness as perceived by a person with normal hearing.

**Assumes Host Transfer Block size of 2 MB per stream.

***Based upon dual tuner system operating in typical 30°C air ambient environment.

Product Specifications

INTERFACE

PATA 100 MB/s (AVJB models)
SATA 3 Gb/s (AVJS models)

FORM FACTOR

3.5-inch

SPIN SPEED

7200 RPM

CACHE

8 MB

MODELS

WD1600AVJB
WD1600AVJS
WD2500AVJB
WD2500AVJS
WD3200AVJB
WD3200AVJS
WD5000AVJB

CAPACITIES

160 GB
250 GB
320 GB
500 GB

LIMITED WARRANTY

3 years

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As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second.

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