



# WD VelociRaptor®

Workstation Hard Drives

**1 TB of high-performance storage for power users.**

Ultra fast

Rock-solid reliability

High capacity



WD VelociRaptor drives offer an unmatched combination of high performance and high reliability, perfect for workstations, high-end video and photo editing, low-end servers and performance enthusiasts' systems.



PUT YOUR LIFE ON IT®



# WD VelociRaptor

## Workstation Hard Drives



### Product Features

#### Ultra fast

Designed around a 10,000 RPM spin speed, these SATA 6 Gb/s drives include a 64 MB cache and deliver the ultimate in performance for photo and video editing.

#### Rock-solid reliability

With 1.4 million hours MTBF, these drives have the highest available reliability rating on a high capacity SATA drive.

#### High capacity

State-of-the-art technology delivers a balance of high performance and high capacity perfect for data-intensive workloads that require large amounts of storage such as video editing, 3D rendering and scientific modeling.

#### Ultra-cool operation

Consumes less idle power and uses similar active power as the previous generation WD VelociRaptor, while offering higher capacity and performance.

#### Advanced Format (AF)

Technology adopted by WD and other drive manufacturers as one of multiple ways to continue growing hard drive capacities. AF is a more efficient media format that enables increased areal densities.

#### IcePack™ mounting frame

The 2.5-inch hard drive is enclosed in a backplane-ready 3.5-inch mounting frame with a built-in heat sink that keeps this powerful little drive extra cool when installed in high-performance desktop chassis.

#### NoTouch™ ramp load technology

The recording head never touches the disk media ensuring significantly less wear to the recording head and media as well as better drive protection in transit.

#### Pre-emptive Wear Leveling (PWL)

Ensures reliability for applications that perform a high incidence of read/write operations at the same physical location on the disk.

#### Rotary Acceleration Feed Forward (RAFF™)

Optimizes operation and performance when the drives are used in vibration-prone, multi-drive chassis.

#### Environmentally conscious

In addition to being RoHS compliant, this generation of WD VelociRaptor also provides a halogen-free design.

### Product Specifications

#### INTERFACE

SATA 6 Gb/s

#### FORM FACTOR

3.5-inch  
(2.5-inch hard drive in a 3.5-inch mounting frame)

#### SPIN SPEED

10,000 RPM

#### CACHE

64 MB

#### MODELS

WD2500HHTZ  
WD5000HHTZ  
WD1000DHTZ

#### CAPACITIES

250 GB  
500 GB  
1 TB

#### LIMITED WARRANTY

5 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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