

# NVH PRO SERVER STORAGE

Professional server storage for the most demanding storage environments.

## DESCRIPTION

VDG's Professional video server storage hard drives offer up to 12TB capacities to suit even the most demanding datacenter, enterprise server, or cloud storage needs. With the highest error tolerance and MTBF of any capacity-optimized drive, the VDG Pro video server storage delivers the durability and 24x7x365 reliability required in tightly packed vibration prone multi-drive systems. The combination of high-capacity, peak performance and robust design make VDG Pro video server storage drives ideal for heavy workload environments, delivering both performance and reliability to any datacenter environment.

## FEATURES

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Professional drive

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Can be used in all servers (1 to 48hard drives)

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Raid configurable

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Performance	
Data buffer (MB)	128 (2TB,4TB,6TB)
	256 (8TB,10TB,12TB)
	512 (14TB)
Rotational speed (RPM)	7200
Latency average, (ms)	4.16
Interface	SATA 6Gb/s
Interface transfer rate (MB/s, max)	600
Seek time (read/write, ms, typical)	7.6 / 8.0 (2TB,4TB,6TB)
	8.0 / 8.6 (8TB,10TB,12TB,14TB)
Reliability	
Load/Unload cycles (at 40°C)	600,000
MTBF (M hours)	2.0 (2TB,4TB,6TB)
	2.5 (8TB,10TB,12TB,14TB)
Annualized Failure Rate (AFR)	0.44% (2TB,4TB,6TB)
	0.35% (8TB,10TB,12TB,14TB)
Availability (hrs/day x days/wk)	24x7
Power	
Requirement	+5V,+12V
Operating (W, typical)	9.1 (2TB,4TB,6TB)
	6.8 (8TB,10TB,12TB)
	7.6 (14TB)
Idle (W)	7.1 (2TB,4TB,6TB)
	5.0 (8TB,10TB,12TB)
	5.6 (14TB)
Physical size	
Drive type	3.5 inch Internal hard drive
z-height (mm)	26.1
Dimensions (width x depth, mm)	101.6 x 147
Weight (g)	715 (2TB,4TB,6TB)
	660 (8TB,10TB,12TB)
	690 (14TB)
Environmental (operating)	
Ambient temperature	5° to 60° C
Shock (half-sine wave 2ms, G)	70
Vibration (G RMS, 5 to 500 Hz)	0.67 (XYZ)
Environmental (non-operating)	
Ambient temperature	-40° to 70° C
Shock (half-sine wave 2ms, G)	300

# Specs



Environmental (non-operating)				
Vibration (G RMS, 5 to 500 Hz)	1.04 (XYZ)			
Pro video server storage	NVH-92TB	NVH-94TB	NVH-96TB	NVH-98TB
(incl. assembly and config)	2TB	4TB	6TB	8TB
	NVH-910TB	NVH-912TB	NVH-914TB	
	10TB	12TB	14TB	

## RELATED

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### **WesternDigital NVH Basic Server Storage**

Basic server storage for the storage environments.

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