



VDG 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 10TB 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

- Professional drive
- Can be used in all servers (1 to 48 hard drives)
- Unlimited number of camera's supported
- Raid configurable

Specs

Performance

| | |
|-------------------------------------|-------------------------|
| Data buffer (MB) | 128 (2TB,4TB,6TB) |
| | 256 (8TB,10TB) |
| 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) |

Reliability

| | |
|----------------------------------|---------------------|
| Load/Unload cycles (at 40°C) | 600,000 |
| MTBF (M hours) | 2.0 (2TB,4TB,6TB) |
| | 2.5 (8TB,10TB) |
| Annualized Failure Rate (AFR) | 0.44% (2TB,4TB,6TB) |
| | 0.35% (8TB,10TB) |
| Availability (hrs/day x days/wk) | 24x7 |

Power

| | |
|------------------------|-------------------|
| Requirement | +5V,+12V |
| Operating (W, typical) | 9.1 (2TB,4TB,6TB) |
| | 6.8 (8TB,10TB) |
| Idle (W) | 7.1 (2TB,4TB,6TB) |
| | 5.0 (8TB,10TB) |

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) |

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 |
| Vibration (G RMS, 5 to 500 Hz) | 1.04 (XYZ) |

Ordering Info

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|----------|--|
| NVH-92TB | Pro video server storage 2TB (incl. assembly and config) |
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Specs

Ordering Info

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|-----------|---|
| NVH-94TB | Pro video server storage 4TB (incl. assembly and config) |
| NVH-96TB | Pro video server storage 6TB (incl. assembly and config) |
| NVH-98TB | Pro video server storage 8TB (incl. assembly and config) |
| NVH-910TB | Pro video server storage 10TB (incl. assembly and config) |