



Features

- ImagePerfect™ AI firmware delivers zero dropped frames while supporting heavier workloads.
- Versatile capabilities intelligently adapt to the scale of your AI environment, supporting up to 64 HD video streams and 32 AI streams.
- Rest easy with three years of Rescue Data Recovery Services offering an industry-leading 90% success rate against unexpected data loss from power outages, natural disasters, user error, viruses, and more.
- SkyHawk Health Management actively helps protect your surveillance storage by focusing on prevention, intervention, and recovery options. 1Included RAID RapidRebuild™ provides 3× faster volume rebuilds.
- Higher reliability with 2M hours MTBF and a 550TB/year workload rate for more than 3× that of standard surveillance hard drives.
- Powerful processing to welcome workload challenges—SkyHawk AI supports video analysis and recording simultaneously with GPU analytics workloads.
- Enjoy consistent performance with built-in rotational vibration sensors providing reliable storage for NAS with little lag or downtime.
- Multi-bay support helps you meet your growing storage demands with up to 16+ bays.

SkyHawk ST10000VE001 apart from other hard drives is its optimization for video storage. It is specifically designed for use in NVRs (network video recorders) with artificial intelligence (AI) for edge applications. This means that the hard drive can handle the demands of AI-based video analytics, making it highly suitable for advanced surveillance systems that utilize deep learning technology.

3.4 Drive mounting

Users can mount the drive in any orientation using four screws in the side-mounting holes or four screws in the bottom-mounting holes. See figures below for drive mounting dimensions. Follow these important mounting precautions when mounting the drive:

- Allow a minimum clearance of 0.030 in (0.76mm) around the entire perimeter of the drive for cooling.
- Use only 6-32 UNC mounting screws.
- The screws should be inserted no more than 0.140 in (3.56mm) into the bottom or side mounting holes.
- Do not overtighten the mounting screws (maximum torque: 6 in-lb).

3.4.1 Mechanical specifications

Refer to figures below for detailed mounting configuration dimensions.

