

Seagate® SkyHawk AI 10TB Surveillance HDD (ST10000VE0008 / ST10000VE0001)



Seagate® SkyHawk™ AI is the world's first, purpose-built drive for artificial intelligence (AI)-enabled surveillance solutions. ImagePerfect™ AI firmware, Custom designed to support an additional 32 AI streams, 3.5in SATA 6Gb/s, 256MB Cache, 3 Year Manufacturer Warranty, MTBF 1,500,000 hr

Key Advantages

- **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. Included RAID RapidRebuild™ provides 3x faster volume rebuilds.
- **Higher reliability** with 2M hours MTBF and a 550TB/year workload rate for more than 3x that of

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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.

SPECIFICATIONS

Capacity	10TB
Standard Model Numbers	ST10000VE0008
Interface	SATA 6Gb/s
Recording Technology	CMR
Drive Design	Helium
Features and Performance	
Drive Bays Supported	16+
AI Channels	32
AI Real Time Capture Events/Sec	Up to 120
AI Real Time Compare Events/Sec	Up to 96
HD Cameras Supported	Up to 64
RV Sensors	Yes
Max. Sustained Transfer Rate OD (MB/s)	250MB/s
Cache (MB)	256
Reliability/Data Integrity	
Tarnish Resistant	Yes
Load/Unload Cycles	300,000
Nonrecoverable Read Errors Rate, Max	1 per 10E15
Power-On Hours per year	8760
Workload Rate Limit (WRL)	550
Mean Time Between Failures (MTBF) (hours)	2,000,000hr
Warranty, Limited (years)	3

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Rescue Data Recovery Services (years)	3
Power Management	
Startup Current, Typical (12V, A)	1.8
Average Operating Power (W)	6.9W
Idle Average (W)	4.9W
Standby Mode/Sleep Mode, Typical (W)	1.2/1.2
Voltage Tolerance (5V)	±5%
Voltage Tolerance (12V)	±10%
Environmental/Temperature	
Operating (ambient, min °C)	5
Operating (drive case, max °C)	70
Nonoperating (ambient, min °C)	−40
Physical	
Height (mm/in, max)	26.11mm/1.028in
Width (mm/in, max)	101.85mm/4.01in
Depth (mm/in, max)	146.99mm/5.787in
Weight (g/lb, typical)	690g/1.521 lb
Carton Unit Quantity	20
Cartons per Pallet/Cartons per Layer	40/8