tehnoteka

https://cenoteka.rs

Informacije o proizvodu (EN)

SEAGATE hard disk 24TB (512MB) ST24000VE002 SkyHawk AI



Cenoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

Posetite nas i uživajte u ekskluzivnom iskustvu pametne kupovine klikom na link:

https://cenoteka.rs/p/seagate-hard-disk-24tb-512mb-st24000ve002-skyhawk-ai/

SKYHAWK AI™

SEAGATE

3.5 HARD DRIVE DATA SHEET

Smart. Safe. Secure.
Video Optimised and Edge Ready



Seagate® SkyHawk™ AI 32 TB is a video-optimised drive designed for NVRs, with artificial intelligence (AI) for edge applications.



Best-Fit Applications

- Network video recorders (NVR)
- AI-enabled NVR systems

SKYHAWK HEALTH

Rescue DATA RECOVERY SERVICES

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.

Rescue Data Recovery Services[6] SkyHawk AI comes with extra peace of mind for any mechanical, accidental or natural disaster. With a 95% success rate of in-house recovery, Seagate has your back with a 3-year included Rescue Services plan.

SkyHawk Health Management actively helps protect your video storage by focusing on prevention, intervention, and recovery options.[1] Included RAID RapidRebuild™ provides 3× faster volume rebuilds.

Class-Leading Reliability and Dependability SkyHawk AI drives are rated for up to 2.5M hours MTBF and a 550 TB/year workload rate for more than 3× that of standard surveillance hard drives. Backed by a 5-year limited warranty.

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 NVR with little lag or downtime.

Unlimited multi-bay support helps you meet your growing storage demands.

1 Contact your Seagate sales representative for further information.
2 Selective models and regions, contact your Seagate sales representative for further information.

SKYHAWK AI™



Specifications	32TB	24TB	20TB		
Capacity	32TB	24TB	20TB	20TB	20TB
Standard Model Numbers	ST32000VE000	ST24000VE002	ST20000VE004	ST20000VE003	ST20000VE002
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Recording Technology	CMR	CMR	CMR	CMR	CMR
Drive Design	Helium	Helium	Helium	Helium	Helium
Features and Performance					
Drive Bays Supported	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
AI Channels	32	32	32	32	32
AI Real Time Capture Events/Sec [1,2]	Up to 120	Up to 120	Up to 120	Up to 120	Up to 120
AI Real Time Compare Events/Sec [1,2]	Up to 96	Up to 96	Up to 96	Up to 96	Up to 96
HD Cameras Supported[3]	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64
RV Sensors	Yes	Yes	Yes	Yes	Yes
Max. Sustained Transfer Rate OD (MB/s, MiB/s)	285/272	285/272	240/229	285/272	Up to 260
Cache (MB)	512MB	512MB	512MB	512MB	256MB
Reliability/Data Integrity					
Tarnish Resistant	Yes	Yes	Yes	Yes	Yes
Load/Unload Cycles	600,000	600,000	600,000	600,000	600,000
Non-recoverable Read Errors Rate, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15
Power-On Hours per year	8,760	8,760	8,760	8,760	8,760
Workload Rate Limit (WRL) [4]	550	550	550	550	550
Mean Time Between Failures (MTBF) (hours)	2500000 hr	2500000 hr	2500000 hr	2500000 hr	2500000 hr
Warranty, Limited (years) [5]	5	5	5	5	5
Rescue Data Recovery Services (years) [6]	3	3	3	3	3
Power Management					
Startup Current, Typical (12V, A)	2.0 A	2.0 A	2.0 A	2.0 A	2.0 A
Average Read/Write Power * (W) [7]	8.2	7.8	8.2	7.8	7.72
Idling Average (W)	6.7 W	6.3 W	6.7 W	6.3 W	3.54 W
Standby Mode/Sleep Mode, Typical (W)	1.2/1.2 W	1.1/1.1 W	1.2/1.2 W	1.1/1.1 W	1.01 W
Voltage Tolerance (5 V)	±5%	±5%	±5%	±5%	±5%
Voltage Tolerance (12 V)	±10%	±10%	±10%	±10%	±10%
Environmental/Temperature					
Operating (drive reported, min °C)	10	10	10	10	10
Operating (drive reported, max °C) [8]	60°C	65°C	60°C	65°C	65°C
Non-operating (ambient, min °C)	-40°C	-40°C	-40°C	-40°C	-40°C
Physical					
Height (mm/in, max)	26.1 mm/1.028 in	26.1 mm/1.028 in	26.1 mm/1.028 in	26.1 mm/1.028 in	26.11 mm/1.028 in
Width (mm/in, max)	101.85 mm/4.010 in	101.85 mm/4.010 in	101.85 mm/4.010 in	101.85 mm/4.010 in	101.85 mm/4.01 in
Depth (mm/in, max)	147.0 mm/5.787 in	147.0 mm/5.787 in	147.0 mm/5.787 in	147.0 mm/5.787 in	146.99 mm/5.787 in
Weight (g/lb, typical)	695 g/1.53 lb	685 g/1.51 lb	695 g/1.53 lb	685 g/1.51 lb	680 g/1.499 lb
Carton Unit Quantity	20	20	20	20	20
Cartons per Pallet / Cartons per Layer	40/8	40/8	40/8	40/8	40/8

1 Events can be human, vehicle or object capture.
2 Tested and verified using embedded AI NVR – 64-ch HD recording, 16-ch PB. Average picture size ~250 KB
3 1080P, H.265, 25 fps
4 SkyHawk AI surveillance drives are designed for always-on workloads of 550 TB/year. For higher transaction workloads, see Seagate's enterprise-class drive offerings.
5 5-year limited warranty applies to product shipped after July 3, 2021. Check with your reseller for more information.
6 From May 1, 2020, 3-year Rescue Data Recovery Services plan may be offered in addition to standard warranty. This is offered for selected regions only. Check with reseller on availability.
7 Based on IDEMA three stream workload
8 Seagate does not recommend operating at sustained extreme temperatures. Operation at high temperatures will shorten product life.

SKYHAWK AI™



Specifications	16TB			12TB	
Capacity	16TB	16TB	16TB	12TB	12TB
Standard Model Numbers	ST16000VE005	ST16000VE004	ST16000VE002	ST12000VE003	ST12000VE001
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Recording Technology	CMR	CMR	CMR	CMR	CMR
Drive Design	Helium	Helium	Helium	Helium	Helium
Features and Performance					
Drive Bays Supported	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
AI Channels	32	32	32	32	32
AI Real Time Capture Events/Sec [1,2]	Up to 120	Up to 120	Up to 120	Up to 120	Up to 120
AI Real Time Compare Events/Sec [1,2]	Up to 96	Up to 96	Up to 96	Up to 96	Up to 96
HD Cameras Supported[3]	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64
RV Sensors	Yes	Yes	Yes	Yes	Yes
Max. Sustained Transfer Rate OD (MB/s, MiB/s)	240/229	285/272	Up to 255	285/272	Up to 255
Cache (MB)	512MB	512MB	256MB	512MB	256MB
Reliability/Data Integrity					
Tarnish Resistant	Yes	Yes	Yes	Yes	Yes
Load/Unload Cycles	600,000	600,000	600,000	600,000	600,000
Non-recoverable Read Errors Rate, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15
Power-On Hours per year	8,760	8,760	8,760	8,760	8,760
Workload Rate Limit (WRL) [4]	550	550	550	550	550
Mean Time Between Failures (MTBF) (hours)	2500000 hr	2500000 hr	2500000 hr	2500000 hr	2500000 hr
Warranty, Limited (years) [5]	5	5	5	5	5
Rescue Data Recovery Services (years) [6]	3	3	3	3	3
Power Management					
Startup Current, Typical (12V, A)	2.0 A	2.0 A	2.0 A	2.0 A	2.0 A
Average Read/Write Power * (W) [7]	8.2	7.8	8	7.8	8
Idling Average (W)	6.7 W	6.3 W	5.3 W	6.3 W	5.3 W
Standby Mode/Sleep Mode, Typical (W)	1.2/1.2 W	1.1/1.1 W	1.3/1.3 W	1.1/1.1 W	1.3/1.3 W
Voltage Tolerance (5 V)	±5%	±5%	±5%	±5%	±5%
Voltage Tolerance (12 V)	±10%	±10%	±10%	±10%	±10%
Environmental/Temperature					
Operating (drive reported, min °C)	10	10	5	10	5
Operating (drive reported, max °C) [8]	60°C	65°C	65°C	65°C	65°C
Non-operating (ambient, min °C)	-40°C	-40°C	-40°C	-40°C	-40°C
Physical					
Height (mm/in, max)	26.1 mm/1.028 in	26.1 mm/1.028 in	26.11 mm/1.028 in	26.1 mm/1.028 in	26.11 mm/1.028 in
Width (mm/in, max)	101.85 mm/4.010 in	101.85 mm/4.010 in	101.85 mm/4.01 in	101.85 mm/4.010 in	101.85 mm/4.01 in
Depth (mm/in, max)	147.0 mm/5.787 in	147.0 mm/5.787 in	146.99 mm/5.787 in	147.0 mm/5.787 in	146.99 mm/5.787 in
Weight (g/lb, typical)	695 g/1.53 lb	685 g/1.51 lb	670 g/1.477 lb	685 g/1.51 lb	670 g/1.477 lb
Carton Unit Quantity	20	20	20	20	20
Cartons per Pallet / Cartons per Layer	40/8	40/8	40/8	40/8	40/8

1 Events can be human, vehicle or object capture.
2 Tested and verified using embedded AI NVR – 64-ch HD recording, 16-ch PB. Average picture size ~250 KB
3 1080P, H.265, 25 fps
4 SkyHawk AI surveillance drives are designed for always-on workloads of 550 TB/year. For higher transaction workloads, see Seagate's enterprise-class drive offerings.
5 5-year limited warranty applies to product shipped after July 3, 2021. Check with your reseller for more information.
6 From May 1, 2020, 3-year Rescue Data Recovery Services plan may be offered in addition to standard warranty. This is offered for selected regions only. Check with reseller on availability.
7 Based on IDEMA three stream workload
8 Seagate does not recommend operating at sustained extreme temperatures. Operation at high temperatures will shorten product life.

SKYHAWK AI™



Specifications	10TB	8TB
Capacity	10TB	8TB
Standard Model Numbers	ST10000VE001	ST8000VE001
Interface	SATA 6 Gb/s	SATA 6 Gb/s
Recording Technology	CMR	CMR
Drive Design	Air	Air
Features and Performance		
Drive Bays Supported	Unlimited	Unlimited
AI Channels	32	32
AI Real Time Capture Events/Sec [1,2]	Up to 120	Up to 120
AI Real Time Compare Events/Sec [1,2]	Up to 96	Up to 96
HD Cameras Supported[3]	Up to 64	Up to 64
RV Sensors	Yes	Yes
Max. Sustained Transfer Rate OD (MB/s, MiB/s)	Up to 255	Up to 255
Cache (MB)	256MB	256MB
Reliability/Data Integrity		
Tarnish Resistant	Yes	Yes
Load/Unload Cycles	600,000	600,000
Non-recoverable Read Errors Rate, Max	1 per 10E15	1 per 10E15
Power-On Hours per year	8,760	8,760
Workload Rate Limit (WRL) [4]	550	550
Mean Time Between Failures (MTBF) (hours)	2000000 hr	2000000 hr
Warranty, Limited (years) [5]	5	5
Rescue Data Recovery Services (years) [6]	3	3
Power Management		
Startup Current, Typical (12V, A)	2.0 A	2.0 A
Average Read/Write Power * (W) [7]	9	8.8
Idling Average (W)	7.4 W	7.4 W
Standby Mode/Sleep Mode, Typical (W)	1.0/1.0 W	1.0/1.0 W
Voltage Tolerance (5 V)	±5%	±5%
Voltage Tolerance (12 V)	±10%	±10%
Environmental/Temperature		
Operating (drive reported, min °C)	5	5
Operating (drive reported, max °C) [8]	65°C	65°C
Non-operating (ambient, min °C)	-40°C	-40°C
Physical		
Height (mm/in, max)	26.11 mm/1.028 in	26.11 mm/1.028 in
Width (mm/in, max)	101.85 mm/4.01 in	101.85 mm/4.01 in
Depth (mm/in, max)	146.99 mm/5.787 in	146.99 mm/5.787 in
Weight (g/lb, typical)	720 g/1.59 lb	720 g/1.59 lb
Carton Unit Quantity	20	20
Cartons per Pallet / Cartons per Layer	40/8	40/8

1 Events can be human, vehicle or object capture.
2 Tested and verified using embedded AI NVR – 64-ch HD recording, 16-ch PB. Average picture size ~250 KB
3 1080P, H.265, 25 fps
4 SkyHawk AI surveillance drives are designed for always-on workloads of 550 TB/year. For higher transaction workloads, see Seagate's enterprise-class drive offerings.
5 5-year limited warranty applies to product shipped after July 3, 2021. Check with your reseller for more information.
6 From May 1, 2020, 3-year Rescue Data Recovery Services plan may be offered in addition to standard warranty. This is offered for selected regions only. Check with reseller on availability.
7 Based on IDEMA three stream workload
8 Seagate does not recommend operating at sustained extreme temperatures. Operation at high temperatures will shorten product life.

©2025 Seagate Technology LLC. All rights reserved. Seagate, Seagate Technology, and the Spiral logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. ImagePerfect, RAID RapidRebuild, SkyHawk, and the SkyHawk AI logo are either trademarks or registered trademarks of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Actual data rates may vary depending on operating environment and other factors, such as chosen interface and disk capacity. Seagate reserves the right to change, without notice, product offerings or specifications. DS1960.16C-2509US

tehnoteka

https://cenoteka.rs

Ovaj dokument je originalno proizveden i objavljen od strane proizvođača, brenda Seagate, i preuzet je sa njihove zvanične stranice. S obzirom na ovu činjenicu, Cenoteka ističe da ne preuzima odgovornost za tačnost, celovitost ili pouzdanost informacija, podataka, mišljenja, saveta ili izjava sadržanih u ovom dokumentu.

Napominjemo da Cenoteka nema ovlašćenje da izvrši bilo kakve izmene ili dopune na ovom dokumentu, stoga nismo odgovorni za eventualne greške, propuste ili netačnosti koje se mogu naći unutar njega. Cenoteka ne odgovara za štetu nanesenu korisnicima pri upotrebi netačnih podataka. Ukoliko imate dodatna pitanja o proizvodu, ljubazno vas molimo da kontaktirate direktno proizvođača kako biste dobili sve detaljne informacije.

Za najnovije informacije o ceni, dostupnim akcijama i tehničkim karakteristikama proizvoda koji se pominje u ovom dokumentu, molimo posetite našu stranicu klikom na sledeći link:

https://cenoteka.rs/p/seagate-hard-disk-24tb-512mb-st24000ve002-skyhawk-ai/