



Seagate SkyHawk AI 20 TB 3.5" Serial ATA III

Brand : Seagate

Product family: SkyHawk

Product code: ST20000VE002

Product name : SkyHawk AI 20 TB

20 TB, 3.5", SATA III, 32 AI Channels

[Seagate SkyHawk AI 20 TB 3.5" Serial ATA III:](#)

A video-optimised drive, SkyHawk AI is designed for NVRs with artificial intelligence for edge applications.

SkyHawk AI

Designed for AI video analytics, SkyHawk AI supports up to 64 HD cameras and 32 additional AI streams while offering capacities up to 20 TB. It delivers zero dropped frames with ImagePerfect AI and has enterprise-class workload rates at 550 TB/yr for high reliability.

SkyHawk

24x7 workloads can leverage up to 8 TB with drives designed for DVR and NVR systems. SkyHawk video drives are equipped with enhanced ImagePerfect™ and SkyHawk Health Management to help you sail through your toughest challenges.

Drive Health and Data Recovery

When integrated into compatible NVR systems, these drives provide overall system reliability increases due to SkyHawk Health Management (SHM).¹

In addition, the SkyHawk drives include a robust three-year Rescue Data Recovery Services plan.



Features		Power	
HDD size *	3.5"	Power consumption (typical)	7.72 W
HDD capacity *	20 TB	Power consumption (standby)	1 W
HDD speed *	7200 RPM	Power consumption (idle)	3.5 W
Interface *	Serial ATA III	Operating voltage	5 / 12 V
Type *	HDD	Start-up current	2 A
Component for *	Surveillance system	Operational conditions	
Storage drive buffer size	256 MB	Operating temperature (T-T)	0 - 65 °C
HDD interface transfer rate	6 Gbit/s	Weight & dimensions	
HDD sustained transfer rate	260 MiB/s	Width	101.8 mm
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁵ bits read	Height	26.1 mm
Rotational Vibration (RV) sensors	✓	Depth	147 mm
Number of AI channels	32	Weight	680 g
Maximum number of cameras supported	64	Logistics data	
Start/stop cycles	600000	Products per pallet layer	8 pc(s)
Mean time between failures (MTBF)	2000000 h	Harmonized System (HS) code	84717050
		Master (outer) cases per pallet	40 pc(s)
		Products per master (outer) case	20 pc(s)



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