ComX Computers
Product Specification Sheet

ST2000VX017

Seagate Skyhawk 2TB 3.5" 256MB Cache SATA3 6Gb/s Surveillance Hard Disk Drive

Product Overview

Seagate Skyhawk 2TB 3.5" 256MB Cache SATA3 6Gb/s Surveillance Hard Disk Drive, CMR recording technology, 180MB/s Max sustained transfer rate OD, 256MB Cache, Up to 8 Drive bays supported, Up to 64 cameras supported







Specifications

Overview Summary:

The Seagate SkyHawk 2TB Surveillance HDD is designed for reliable 24/7 video recording in CCTV, NVR and DVR systems. With support for up to 64 camera streams, 256MB cache, CMR recording and sustained transfer speeds of up to 180MB/s, it provides dependable storage for security footage.

Its 3.5-inch SATA 6Gb/s interface makes it suitable for compatible surveillance systems, while SkyHawk Health Management helps support ongoing drive health. Buy now for dependable surveillance storage in your security installation, or shop now to upgrade your existing CCTV system.

Performance tier: Professional surveillance

Uses:CCTV storage, NVR systems, DVR systems, home security, commercial security, multi-camera surveillance

Overview:

The Seagate SkyHawk Surveillance 2TB HDD is built for security installers and system integrators who need a drive that can keep pace with the demands of continuous video recording. Engineered specifically for NVR and DVR environments, it supports simultaneous streams from up to 64 HD cameras without frame loss, thanks to ImagePerfect firmware that minimises interruptions during 24/7 operation. A maximum sustained transfer rate of 180MB/s keeps footage flowing reliably, while built-in rotational vibration (RV) sensors maintain performance stability in multi-bay systems with up to 16 drive bays. With a workload rating of 180TB per year, a mean time between failures of 1 million hours, and tarnish-resistant components that guard against environmental wear, this drive is designed for the long haul. SkyHawk Health Management adds an extra layer of assurance through prevention, intervention, and recovery tools - including RAID RapidRebuild for faster volume recovery. At 2TB capacity on a standard 3.5-inch SATA 6Gb/s interface, it slots directly into existing surveillance infrastructure and delivers the dependable, high-capacity storage that serious security systems demand.

Description:

The Seagate SkyHawk Surveillance 2TB is a purpose-built hard drive for CCTV, DVR and NVR systems that require reliable 24/7 recording. Designed around surveillance workloads, it provides consistent write performance for continuous video capture and can support simultaneous HD camera streams. With 2TB of storage, 256MB cache and a sustained transfer rate of up to 180MB/s, it provides dependable performance for security systems where recorded footage needs to remain available.

ImagePerfect firmware helps maintain smooth video recording during demanding surveillance workloads, while CMR recording technology provides consistent performance during sustained write operations. SkyHawk Health Management also provides monitoring and recovery tools to help maintain the health of compatible surveillance storage systems.

Features:

Seagate SkyHawk 2TB Surveillance Hard Drive for CCTV
Unlike a standard desktop hard drive, the Seagate SkyHawk is designed specifically for surveillance applications. Its 24/7 workload design makes it suitable for systems that continuously record footage throughout the day and night.

The 2TB storage capacity provides space for recorded video from multiple cameras, making this drive suitable for home security installations as well as commercial CCTV and professional NVR deployments.

For reference, the Part Number / SKU for this model is ST2000VX017.

Reliable Performance for Continuous Video Recording
Surveillance systems place different demands on storage compared with everyday desktop computing. The SkyHawk is designed to handle continuous recording while maintaining consistent data throughput. Its 256MB cache and up to 180MB/s maximum sustained transfer rate help keep video data moving efficiently between the cameras and recording system.

CMR recording technology also supports consistent performance during sustained write activity, making the drive well suited to environments where large amounts of surveillance footage are recorded continuously.

Designed for Multi-Camera Surveillance Systems
The Seagate SkyHawk 2TB supports up to 64 HD camera streams, making it suitable for a wide range of security installations. It can be used in compatible DVR and NVR systems for residential, commercial and business surveillance.

Built-in rotational vibration sensors help maintain stable operation in multi-drive environments, while SkyHawk Health Management provides tools designed to assist with drive monitoring, prevention, intervention and recovery.

Key Benefits for Surveillance Storage

- Purpose-built for 24/7 surveillance recording
- 2TB storage capacity for CCTV, DVR and NVR applications

- Supports up to 64 HD camera streams
- 256MB cache for responsive data handling
- Up to 180MB/s maximum sustained transfer rate
- CMR recording technology for consistent write performance
- SATA 6Gb/s interface for compatibility with modern recording systems
- Suitable for compatible multi-bay surveillance systems
- 180TB per year workload rating
- 1,000,000-hour MTBF rating
- SkyHawk Health Management support
- RAID RapidRebuild support for faster compatible volume recovery

Ideal Applications for the Seagate SkyHawk 2TB

The SkyHawk ST2000VX017 is suitable for security systems where continuous recording and dependable storage are important. It can be installed in a range of surveillance environments, including:

- Home CCTV and security systems
- Commercial surveillance installations
- Business DVR and NVR systems
- Retail stores and warehouses
- Office security systems
- Multi-camera surveillance deployments
- Professional security monitoring environments

Technical Details

- Part Number / SKU: ST2000VX017
- Storage capacity: 2TB
- Form factor: 3.5-inch
- Interface: SATA 6Gb/s
- Cache: 256MB
- Recording technology: CMR
- Maximum sustained transfer rate: 180MB/s
- Surveillance camera support: Up to 64 HD camera streams
- Workload rating: 180TB per year
- MTBF: 1,000,000 hours
- Load/unload cycles: 600,000
- Product dimensions: 14.7 x 10.1 x 2.6 cm
- Product weight: 415g

Why Choose the Seagate SkyHawk ST2000VX017

For anyone upgrading an existing CCTV installation or building a new NVR or DVR system, the Seagate SkyHawk 2TB provides storage designed specifically around the demands of surveillance recording. Its 2TB capacity, 256MB cache, CMR technology and support for up to 64 camera streams make it a practical choice for security installations that require continuous video storage.

The 3.5-inch SATA 6Gb/s design also makes the ST2000VX017 suitable for compatible surveillance recorders and storage systems. With surveillance-focused firmware and health management capabilities, it is designed to provide dependable storage for demanding 24/7 security applications.

What's in the Box

- Seagate SkyHawk Surveillance 2TB 256MB 3.5-inch SATA HDD x1

Specifications:

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Specifications	
Product Code	ST2000VX017
Specifications	2TB
Standard Model Numbers	ST2000VX017
SkyHawk Health Management Included	Yes
Interface	SATA 6 Gb/s
Recording Technology	CMR
Drive Design	Air
Features and Performance	
Drive Bays Supported	Up to 8
Cameras Supported	Up to 64
RV Sensors	-
Max Sustained Transfer Rate OD (MB/s)	180MB/s
Cache (MB)	256
Reliability/Data Integrity	
Tarnish Resistant	Yes
Load/Unload Cycles	600000
Non-recoverable Read Errors Rate, Max	1 per 10E14
Power-On Hours per year	8760
Workload Rate Limit (WRL)	180
Mean Time Between Failures (MTBF) (hours)	1,000,000 hr
Power Management	
Startup Current, Typical (12V, A)	1.8
Average Operating Power (W)	3.7 W
Idling Average (W)	2.5 W
Standby Mode/Sleep Mode, Typical (W)	0.25/0.25
Voltage Tolerance (5 V)	+/-5%
Voltage Tolerance (12 V)	+/-10%
Environmental/Temperature	

Operating (ambient, min degreesC)	0
Operating (drive reported, max degreesC)	65
Non-operating (ambient, min degreesC)	-40
Physical	
Height (mm/in, max)	20.2 mm/0.795 in
Width (mm/in, max)	101.6 mm/4 in
Depth (mm/in, max)	146.99 mm/5.787 in
Weight (g/lb, typical)	415 g/0.915 lb
Carton Unit Quantity	25
Cartons per Pallet / Cartons per Layer	40/8

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/ST2000VX017-Seagate-Skyhawk-2TB-3-5-256MB-Cache-SATA3-6Gb-s-Surveillance-Hard-Disk-p-339799.php

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