

Seagate SkyHawk Surveillance HDD ST4000VX013(ST4000VX013)

Seagate SkyHawk Surveillance HDD ST4000VX013 - Hard drive - 4 TB - internal - SATA 6Gb/s - buffer:256 MB



Smart. Safe. Secure. Seagate provides drives specifically for surveillance storage for years. SkyHawk is built to keep systems in the field longer and reduce the need for post-deployment support.

Key Selling Points

- 1M hour MTBF - designed for high write duty cycle across SkyHawk
- ATA AV Command support - streaming video command support across SkyHawk
- Best-in-class acoustic performance means virtually silent operation
- Built-in error recovery for non-stop video streaming
- Compliant with RoHS requirements in China and Europe
- Full-track multiple-sector transfer capability without local processor intervention
- Idle3 power mode support
- Low activity power
- Low-RPM spindle speed
- Native Command Queuing with command ordering to increase performance in demanding applications
- Performance-tuned for seamless video applications
- Reliability for 24x7 video surveillance applications
- Rotational Vibration - mitigation of system level rotational vibration inside SkyHawk
- SeaTools diagnostic software performs a drive self-test that eliminates unnecessary drive returns.
- State-of-the-art cache and on-the-fly error-correction algorithms
- Streaming video optimization - consistent command completion times &ERC support across SkyHawk
- Support for S.M.A.R.T. drive monitoring and reporting
- Supports "8+" drive bays
- Supports ATA8 streaming commands
- Supports latching SATA cables and connectors
- Supports up to 64 HD cameras for recording and playback
- Thermal monitoring and reporting for 24x7 operations
- Transient power on management - $\leq 1.8A$ spin-up current
- Uncompromising reliability supports flexible surveillance design with case temperatures up to 70°C
- Workload ratings of 180TB/year
- Worldwide Name (WWN) capability uniquely identifies the drive

Main Specifications

Product Description	Seagate SkyHawk Surveillance HDD ST4000VX013 - hard drive - 4 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	4 TB
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	256 MB
Features	Native Command Queuing (NCQ), Worldwide Name (WWN), 24x7 availability, S.M.A.R.T.
Dimensions (WxDxH)	101.6 mm x 146.99 mm x 20.2 mm
Weight	490 g

Extended Specification

General

Device Type	Hard drive - internal
Capacity	4 TB
Interface	SATA 6Gb/s
Buffer Size	256 MB
Bytes per Sector	4096
Features	Native Command Queuing (NCQ),Worldwide Name (WWN),24x7 availability,S.M.A.R.T.
Width	101.6 mm
Depth	146.99 mm
Height	20.2 mm
Weight	490 g

Performance

Drive Transfer Rate	600 MBps (external)
Internal Data Rate	180 MBps
Average Latency	6 ms

Reliability

MTBF	1,000,000 hours
24x7 Operation	Yes
Non-Recoverable Errors	1 per 10 ¹⁴
Load / Unload Cycles	600,000

Expansion &Connectivity

Interfaces	1 x SATA 6 Gb/s
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	70 °C
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Operating	5 - 90%

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