ComX Computers
Product Specification Sheet

ST12000VE003

Seagate Skyhawk AI 12TB 3.5" 512MB Cache SATA3 6Gb/s suveillance Hard Disk Drive

Product Overview

Seagate Skyhawk AI 12TB 3.5" 512MB Cache SATA3 6Gb/s suveillance Hard Disk Drive, CMR recording Technology, Helium Drive Design, Unlimited Drive bays supported, 32 AI channels, Up to 120 AI Real time capture events/sec, Up to 96 AI Real time compare events/sec, Up to 64 HD cameras supported, 285MB/s Max Data Transfer Rate



Specifications

Specifications:

© 2025 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (http://www.comx.co.za), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications	
Product Code	ST12000VE003
Specifications	
Capacity	12TB
Standard Model Numbers	ST12000VE003
Interface	SATA 6Gb/s
Recording Technology	CMR
Drive Design	Helium
Features and Performance	
Drive Bays Supported	Unlimited
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 Data Transfer Rate (MB/s)	285/272
Cache (MB)	512MB
Reliability/Data Integrity	
Tarnish Resistant	Yes
Load/Unload Cycles	600000
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)	2500000hr
Power Management	
Startup Current, Typical (12V, A)	2.0A
Average Read/Write Power * (W)	7.8
Idle Average (W)	6.3W
Standby Mode/Sleep Mode, Typical (W)	1.1/1.1W
Voltage Tolerance (5V)	+/-5%
Voltage Tolerance (12V)	+/-10%
Environmental/Temperature	
Operating (Ambient, min degreesC)	5 degreesC
Operating (drive reported, max degreesC)	65 degreesC
Nonoperating (ambient, min degreesC)	-40 degreesC
Physical	
Height (mm/in, max)	26.1mm/1.028in
Width (mm/in, max)	101.85mm/4.010in
Depth (mm/in, max)	147.0mm/5.787in
Weight (g/lb, typical)	685g/1.51lb
Carton Unit Quantity	20
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/ST12000VE003-Seagate-Skyhawk-AI-12TB-3-5-512MB-Cache-SATA3-6Gb-s-suveillance-Hard-p-323138.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-07 01:53:33.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.