



# Product Datasheet

## 2TB 3.5in SATA Surveillance HDD



- **Product Code:** SA-2000/SV
- **Product EAN:** 5056006137429
- **Warranty:** 5 Year Advanced

Origin Storage Ltd manufactures a full range of Matched Hard Drive & Solid State Solutions for most major branded Servers, laptops and desktops, such as Dell, HP, Toshiba, and Lenovo. All of our Matched Drive Solutions come with up to 5 years advanced replacement warranty and also come with free pre and post sales technical support. We can supply replacements or upgrades in form factors of 2.5" or 3.5" with either SATA or SAS interfaces, available in a range of capacities and spin speeds. All our Matched Drive Solutions are just that, matched to the system you have for 100% compatibility, right first time, every time!

# Technical Specifications

## Weight & Dimensions

<b>Width:</b>	101.8 mm
<b>Height:</b>	26.1 mm
<b>Depth:</b>	147 mm
<b>Weight:</b>	850 g

## Power

<b>Power Consumption (standby):</b>	0.5 W
<b>Power Consumption (idle):</b>	3.56 W
<b>Operating Voltage:</b>	5 / 12 V
<b>Start-up Current:</b>	1.8 A

## Operational Conditions

<b>Operating Temperature (T-T):</b>	5 - 55 °C
<b>Storage Temperature (T-T):</b>	-40 - 70 °C
<b>Operating Relative Humidity (H-H):</b>	5 - 95%
<b>Storage Relative Humidity (H-H):</b>	5 - 95%
<b>Operating Vibration:</b>	0.5 G
<b>Non-operating Vibration:</b>	3 G
<b>Operating Altitude:</b>	-304 - 3048 m
<b>Non-operating Altitude:</b>	-304 - 12192 m
<b>Operating Shock:</b>	80 G
<b>Non-operating Shock:</b>	300 G

## Packaging Content

<b>Storage Drive Adapter Included:</b>	No
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<b>Storage Drive Caddy Included:</b>	No
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## Other Features

<b>Drive Ready Time:</b>	17 s
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<b>Compliance Certificates:</b>	RoHS
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## Features

<b>HDD Capacity:</b>	2 TB
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<b>HDD Speed:</b>	7200 RPM
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<b>HDD Size:</b>	3.5"
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<b>Interface:</b>	Serial ATA
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<b>Type:</b>	HDD
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<b>Component For:</b>	Surveillance system
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<b>Hot-swap:</b>	No
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<b>Storage Drive Buffer Size:</b>	256 MB
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<b>HDD Interface Transfer Rate:</b>	6 Gbit/s
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<b>HDD Sustained Transfer Rate:</b>	180 MiB/s
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<b>HDD Number Of Heads:</b>	16
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<b>HDD Number Of Cylinders:</b>	16383
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<b>Read Seek Time:</b>	12 ms
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<b>Write Seek Time:</b>	12 ms
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<b>Track To Track Seek Time:</b>	1.2 ms
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<b>Average Seek Time:</b>	12 ms
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<b>Average Latency:</b>	5.1 ms
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<b>24/7 Operation:</b>	Yes
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Bytes Per Sector:	4096
Mean Time Between Failures (MTBF):	1000000 h
Refurbished:	No

## Logistics Data

Harmonized System (HS) Code:	84717050
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## Origin Storage Limited

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