

Surveillance HDD

HARD DISK DRIVE KIT Data Sheet

The New Generation SV Drive

- The industry's first surveillance-optimized hard drive platform with capacities up to 6TB improves video streaming, drive performance and data integrity in surveillance applications.
- Seventh-generation Seagate® Surveillance HDD kit is tuned for high write-cycle workloads typical in video surveillance storage systems.
- The Surveillance HDD supports higher-resolution cameras and up to 16 drives per system, with up to 32 cameras per drive.
- Reliably performs in multi-drive systems with RAID support from RV sensors.
- Features 24x7 operational capabilities while maintaining high MTBF of 1M hours.
- Options for a current-limited startup of less than 2A supports the use of embedded system power supplies.
- Low power consumption options support always-on surveillance systems.
- Never miss a frame with quick time-to-ready.
- Idle3 spin control features enable power-on in standby mode or drive spin-down to conserve power and improve reliability during archival periods.

Best-Fit Applications

- NVR
- Embedded SDVR
- Hybrid SDVR
- Surveillance DVR





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Specifications									
Retail Packaging		Product Dimensions		Box Dimensions		Master Carton Dimensions		Pallet Dimensions	
Height (in/mm)		5.75/146.05		5.94/150.83		15.75/400.05		47.94/1217.68	
Width (in/mm)		4.0/101.6		7.75/196.85		5.0/127.0		37.44/950.97	
Depth (in/mm)		1.0/25.4		2.38/60.325		6.06/154.0		45.13/1146.3	
Weight (lb/kg)		1.39/0.63		1.74/0.78		7.38/3.35		1030.60/468.46	
Quantities									
Boxes per Master Carton		4							
Master Cartons per Pallet		126							
Pallet Layers		6							
Surveillance Performance									
R/V (Rotational Vibration) Sensor		Yes							
Drive Bays Supported		1 to 16							
Cameras Supported		up to 32							
Max Sustained Data Rate, OD Read (MB/s)		180							
Voltage									
Voltage Tolerance, Including Noise (5V)		±5%							
Voltage Tolerance, Including Noise (12V)		±10%							
Power Management									
Startup Current, Average (12V, A)		1.8							
Operating Mode, Typical (W)		5.6							
Idle Average (W)		4							
Standby Mode (W)		0.5							
Sleep Mode (W)		0.5							
Environmental									
Temperature (°C)									
Operating (ambient min)		0							
Operating (drive case max)		70							
Nonoperating (ambient, min °C)		-40							
Nonoperating (ambient, max °C)		70							
Reliability (Per Drive)									
Load/Unload Cycles		300,000							
Nonrecoverable Read Errors per Bits Read, Max		1 per 10E14							
Mean Time Between Failures (MTBF, hours)		1M							
Power-On Hours		8760							
Warranty, Limited (years)		3							
System Requirements									
6Gb/s SATA interface connector or motherboard or add-in card (backward compatible to SATA 3Gb/s)									
Works with all current versions of Windows®, Mac® and Linux									
Inside the Box									
Seagate® Surveillance HDD									
Quick installation guide									
3-year limited warranty									
Region	Product	Capacity ¹	Model Number	UPC Code	EAN	Multipack UPC			
WW	Surveillance HDD	4TB	STBD4000101	763649073124	7636490071676	10763649073121			

¹ One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.

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