

Seagate® SkyHawk 4TB Surveillance HDD (ST4000VX007 / ST4000VX013)



Custom-built for surveillance applications with Image Perfect firmware for crisp, clear, 24/7 video workloads • Maximum 180TB/year workload rating 3 the workload rating of desktop drives for reliable performance in write-intensive surveillance systems • Rotational vibration (RV) sensors help maintain performance in RAID and multi-drive systems (4TB or higher) • Up to 10TB of capacity to store up to 10,000 hours of HD video

Key Advantages

ImagePerfect™ firmware is designed to ensure seamless video footage capture in 24x7 surveillance workloads that record video from 64 HD cameras. SkyHawk Health Management actively helps protect your surveillance storage by focusing on prevention, intervention and recovery options. NVR-ready design allows drives to maintain performance in multi-bay systems, giving customers the flexibility to scale their systems when more storage is needed. ATA streaming support enables recordings from up to 64 HD cameras for smooth, uninterrupted footage. Up to 10TB or over 2000 hours of HD video storage support an increased number of HD cameras and allows longer data retention periods. 1M hours MTBF, 3-year limited warranty represents an improved total cost of ownership (TCO) with reduced maintenance costs. Lower power

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consumption means a reduction in heat emissions, which improves reliability in surveillance solutions. Tarnish-resistant components help protect drive from environmental elements, increasing field reliability.

SPECIFICATIONS

Specifications	10TB	8TB	6TB	4TB	3TB	2TB	1TB
Standard	ST10000VX0004	ST8000VX0022	ST6000VX0023	ST4000VX007	ST3000VX010	ST2000VX008	ST1000VX005
SkyHawk™ Health>Management Included	Yes	Yes	Yes	Yes	—	—	—
Interface	SATA>6Gb/s	SATA>6Gb/s	SATA>6Gb/s	SATA>6Gb/s	SATA>6Gb/s	SATA>6Gb/s	SATA>6Gb/s
Features>							
Drive Bays Supported	8+	8+	8+	8+	1>	1>	1>
Cameras>	Upto 64	Upto 64	Upto 64	Upto 64	Upto 64	Upto 64	Upto 64
Max. Sustained Transfer Rate OD (MB/s)	210MB/s	210MB/s	195MB/s	190MB/s	190MB/s	180MB/s	180MB/s
Cache>(MB)	256	256	256	64	64	64	64
Reliability/Data Integrity							
Tarnish>Resistant	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Load/Unload>	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Nonrecoverable>	1>	1>	1>	1>	1>	1>	1>
Power-On>	8760	8760	8760	8760	8760	8760	8760
Workload Rate Limit (WRL)2	180	180	180	180	180	180	180
MTBF	1,000,000hr	1,000,000hr	1,000,000hr	1,000,000hr	1,000,000hr	1,000,000hr	1,000,000hr
Warranty, Limited (years)3	3	3	3	3	3	3	3
Power>							
Startup Current, Typical (12V, A)	1.8	2	2	1.8	1.8	1.8	1.8
Average>	6.8W	9W	9W	5.5W	5.6W	5.6W	5.6W
Idle>	4.4W	7.6W	7.2W	3.2W	4.0W	4.0W	4.0W
Standby>	0.8/0.8	0.6/0.6	0.6/0.6	0.25/0.25	0.5/0.5	0.5/0.5	0.5/0.5
Voltage>	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Voltage>	±10%	±10%	±10%	±10%	±10%	±10%	±10%
Environmental/Temperature							
Operating>	5	5	5	0	0	0	0
Operating	70	70	70	70	70	70	70
Nonoperating	-40	-40	-40	-40	-40	-40	-40
Physical							
Height>	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	26.11mm/1.028in	20.20mm/0.795in
Width (mm/in,>max)	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in	101.85mm/4.01in
Depth (mm/in,>max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in
Weight	650g/1.433lb	780g/1.72lb	705g/1.55lb	635g/1.40lb	610g/1.35lb	610g/1.345lb	415g/0.915lb
Carton Unit Quantity	20	20	20	20	20	20	25
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8	40/8	40/8	40/8