



SKYHAWK

SURVEILLANCE



Specifications	10TB ¹	8TB ¹	6TB ¹	4TB ¹	3TB ¹	2TB ¹	1TB ¹
Standard Model Numbers	ST10000VX0004	ST8000VX0022 ²	ST6000VX0023 ²	ST4000VX007 ²	ST3000VX010 ²	ST2000VX008 ²	ST1000VX005 ²
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Features and Performance							
Drive Bays Supported	8+	8+	8+	8+	1 to 8	1 to 8	1 to 8
R/V (Rotational Vibration) Sensor	Yes	Yes	Yes	Yes	No	No	No
Cameras Supported	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64
Max Sustained Transfer Rate OD (MB/s)	210	210	195	190	180	180	180
Cache (MB)	256	256	256	64	64	64	64
Reliability/Data Integrity							
Tarnish Resistant	Yes	Yes	Yes	Yes	No	No	No
Load/Unload Cycles	300,000	300,000	300,000	300,000	300,000	300,000	—
Nonrecoverable Read Errors Rate, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14
Power-On Hours per year	8760	8760	8760	8760	8760	8760	8760
Workload Rate Limit (WRL) ³	180	180	180	180	180	180	180
Mean Time Between Failures (MTBF) (hours)	1M	1M	1M	1M	1M	1M	1M
Warranty, Limited (years)	3	3	3	3	3	3	3
Power Management							
Startup Current, Typical (12V, A)	1.8	2.0	2.0	1.8	1.8	1.8	1.8
Average Operating Power (W)	6.8	9	9	5.5	5.6	5.6	5.6
Idle Average (W)	4.42	7.6	7.2	3.2	4	4	4
Standby Mode/Sleep Mode, Typical (W)	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 Tolerance (5V)	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Voltage Tolerance (12V)	±10%	±10%	±10%	±10%	±10%	±10%	±10%
Environmental/Temperature							
Operating (ambient, min °C)	5	5	5	0	0	0	0
Operating (drive case, max °C) ⁴	70	70	70	70	70	70	70
Nonoperating (ambient, min °C)	-40	-40	-40	-40	-40	-40	-40
Physical							
Height (mm/in, max)	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028	26.11/1.028	20.20/0.795
Width (mm/in, max)	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01	101.85/4.01
Depth (mm/in, max)	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787
Weight (g/lb, typical)	650/1.433	780/1.72	705/1.55	635/1.40	610/1.35	610/1.35	415/0.915
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

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

2 Coming Fall 2016. For immediate needs, please see Seagate Surveillance HDD.

3 SkyHawk drives are designed for always-on workloads of 180TB/year. For higher transaction workloads, see Seagate's enterprise-class drive offerings.

4 Seagate does not recommend operating at sustained case temperatures above 60°C. Operating at higher temperatures will reduce useful life of the product.

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