



Seagate & Dahua SkyHawk Hard Drive

Specifications												
Dahua Model Numbers	ST10000VX0004	ST8000VX004	ST8000VX002	ST6000VX001	ST6000VX003	ST4000VX005	ST4000VX000	ST3000VX009	ST3000VX006	ST2000VX012	ST2000VX003	ST1000VX001
Capacity	10T	8T	8T	6T	6T	4T	4T	3T	3T	2T	2T	1T
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
Recording Technology	CMR	CMR	CMR	CMR	CMR	SMR	CMR	CMR	CMR	SMR	CMR	CMR
Drive Design	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air
SkyHawk Health Management Included	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-
Status	EOL	Active	Active	Active	EOL	Active	Active	Active	EOL	Active	Active	Active
Features and Performance												
Drive Bays Supported	Up to 16	Up to 16	Up to 16	Up to 16	Up to 16	Up to 16	Up to 16	Up to 8	Up to 8	Up to 8	Up to 8	Up to 8
Cameras Supported	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64
RV Sensors	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-
Max Sustained Transfer Rate OD (MB/s)	210MB/s	210MB/s	210MB/s	180MB/s	195MB/s	180MB/s	190MB/s	180MB/s	190MB/s	180MB/s	180MB/s	180MB/s
Cache (MB)	256	256	256	256	256	256	64	256	64	256	64	64
Reliability/Data Integrity												
Tarnish Resistant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Load/Unload Cycles	300,000	300,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	600,000	300,000	—
Nonrecoverable Read Errors Rate, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E14	1 per 10E15	1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14
Power-On Hours per year	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Workload Rate Limit (WRL) ¹	180	180	180	180	180	180	180	180	180	180	180	180
Mean Time Between Failures (MTBF) (hours)	1,000,000hr	1,000,000hr	1,000,000hr	1,000,000hr	1,000,000hr	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	3	3	3	3
Power Management												
Startup Current, Typical (12V, A)	1.8	1.8	2	1.8	2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Average Operating Power (W)	6.8W	8.73W	9.0W	5W	9W	3.7	5.5W	3.5W	5.6W	3.7	5.6W	5.6W
Idle Average (W)	4.4W	7.06W	7.6W	3.4W	7.2W	2.5	3.2W	2.5W	4.0W	2.5	4.0W	4.0W
Standby Mode/Sleep Mode, Typical (W)	0.8/0.8	0.96/0.96	0.6/0.6	0.25/0.25	0.6/0.6	0.25/0.25	0.25/0.25	0.25/0.25	0.5/0.5	0.25/0.25	0.5/0.5	0.5/0.5
Voltage Tolerance (5V)	±5%	+10/5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Voltage Tolerance (12V)	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%
Environmental/Temperature												
Operating (ambient, min °C)	5	5	5	0	5	0	0	0	0	0	0	0
Operating (drive case, max °C) ²	70	70	70	70	70	70	70	70	70	70	70	70
Nonoperating (ambient, min °C)	-40	-40	-40	-40	-40	-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	20.1/0.795	26.11/1.028	26.11/1.028	26.11/1.028	20.2/0.795	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	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	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787	146.99/5.787
Weight (g/lb, typical)	650G/1.433LB	716g/1.579lb	780g/1.72lb	610g/1.345lb	705g/1.55lb	490g/1.08lb	608g/1.34lb	490g/1.08lb	610g/1.35lb	415g/0.915lb	610g/1.35lb	415g/0.915lb
Carton Unit Quantity	20	20	20	20	20	25	20	25	20	25	20	25
Cartons per Pallet/Cartons per Layer	40/8	40/8	40/8	40/8	40/8	40/8	40/8	40/8	40/8	40/8	40/8	40/8

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

2 It is not recommend operating at sustained extreme temperatures. Operating at higher temperatures will reduce useful life of the products.

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*Design and specifications are subject to change without notice.

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