

3.5 HARD DRIVE DATA SHEET

**Smart. Safe. Secure.**  
**Surveillance-Specialised Storage**



SkyHawk™ leverages Seagate's extensive experience in designing drives purpose-built for surveillance applications.



### Best-Fit Applications

- Network video recorders (NVR)
- Video DVRs



**SKYHAWK**

**HEALTH**



## Key Advantages

**ImagePerfect™ firmware** is designed to ensure seamless video footage capture in 24x7 surveillance workloads<sup>1</sup> that record video from 64 HD cameras.

**SkyHawk Health Management** actively helps protect your surveillance storage by focusing on prevention, intervention, and recovery options.<sup>2</sup> Included is RAID RapidRebuild™, which provides 3x faster volume rebuilds over traditional RAID rebuilds.

**Unparalleled data protection** with included 3-year Rescue Data Recovery Services plan, helping protect important video data with Seagate's in-house data recovery services.

**RV sensors built in** allow 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.

**1 M hours MTBF, 3-year limited warranty<sup>3</sup>** represents an improved total cost of ownership (TCO) with reduced maintenance costs.

**Lower power 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.

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

<sup>2</sup> Contact your Seagate sales representative for further information.

<sup>3</sup> Seagate does not recommend operating at sustained extreme temperatures. Operating at higher temperatures will reduce useful life of the products.



Specifications	8 TB	6 TB	4 TB	3 TB	2 TB
Standard Model Numbers with SRS	ST8000VX010	ST6000VX009	ST4000VX016	ST3000VX015	ST2000VX017
SkyHawk™ Health Management Included	Yes	Yes	Yes	Yes	Yes
Interface	SATA 6 Gb/s				
Recording Technology	CMR	CMR	CMR	CMR	CMR
Drive Design	Air	Air	Air	Air	Air
<b>Features and Performance</b>					
Drive Bays Supported	Up to 16	Up to 16	Up to 16	Up to 8	Up to 8
Cameras Supported	Up to 64				
RV Sensors	Yes	Yes	Yes	-	-
Max Sustained Transfer Rate OD (MB/s)	180MB/s	180MB/s	180MB/s	180MB/s	180MB/s
Cache (MB)	256 MB				
<b>Reliability/Data Integrity</b>					
Tarnish Resistant	Yes	Yes	Yes	Yes	Yes
Load/Unload Cycles	600,000	600,000	600,000	600,000	600,000
Non-recoverable Read Errors Rate, Max	1 per 10E14				
Power-On Hours per year	8,760	8,760	8,760	8,760	8,760
Workload Rate Limit (WRL) <sup>1</sup>	180	180	180	180	180
Mean Time Between Failures (MTBF) (hours)	1000000 hr				
Warranty, Limited (years) <sup>2</sup>	3	3	3	3	3
Rescue Data Recovery Services (years) <sup>3</sup>	3	3	3	3	3
<b>Power Management</b>					
Startup Current, Typical (12V, A)	1.8 A				
Average Operating Power (W)	5.3 W	5.3 W	3.7 W	3.7 W	3.7 W
Idling Average (W)	3.4 W	3.4 W	2.5 W	2.5 W	2.5 W
Standby Mode/Sleep Mode, Typical (W)	0.25 W				
Voltage Tolerance (5 V)	±5%	±5%	±5%	±5%	±5%
Voltage Tolerance (12 V)	±10%	±10%	±10%	±10%	±10%
<b>Environmental/Temperature</b>					
Operating (ambient, min °C)	0°C	0°C	0°C	0°C	0°C
Operating (drive reported, max °C) <sup>4</sup>	65°C	65°C	65°C	65°C	65°C
Non-operating (ambient, min °C)	-40°C	-40°C	-40°C	-40°C	-40°C
<b>Physical</b>					
Height (mm/in, max)	26.1 mm/1.028 in	26.1 mm/1.028 in	20.20 mm/0.795 in	20.20 mm/0.795 in	20.20 mm/0.795 in
Width (mm/in, max)	101.6 mm/4.00 in	101.6 mm/4.00 in	101.6 mm/4.0 in	101.6 mm/4.0 in	101.6 mm/4.00 in
Depth (mm/in, max)	146.99 mm/5.787 in				
Weight (g/lb, typical)	630 g/1.389 lb	630 g/1.389 lb	490 g/1.08 lb	490 g/1.08 lb	415 g/0.915 lb
Carton Unit Quantity	20	20	25	25	25
Cartons per Pallet / Cartons per Layer	40/8	40/8	40/8	40/8	40/8

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

<sup>2</sup> Extended warranty options available. Consult your distributor for details.

<sup>3</sup> From May 1, 2020, 3-year Rescue Data Recovery Services plan may be offered in addition to standard warranty. This is offered for selected regions only. Check with reseller on availability.

<sup>4</sup> Seagate does not recommend operating at sustained extreme temperatures. Operating at higher temperatures will reduce useful life of the products.



Specifications	1 TB
Standard Model Numbers with SRS	ST1000VX013
SkyHawk™ Health Management Included	Yes
Interface	SATA 6 Gb/s
Recording Technology	CMR
Drive Design	Air
<b>Features and Performance</b>	
Drive Bays Supported	Up to 8
Cameras Supported	Up to 64
RV Sensors	-
Max Sustained Transfer Rate OD (MB/s)	180MB/s
Cache (MB)	256 MB
<b>Reliability/Data Integrity</b>	
Tarnish Resistant	Yes
Load/Unload Cycles	600,000
Non-recoverable Read Errors Rate, Max	1 per 10E14
Power-On Hours per year	8,760
Workload Rate Limit (WRL) <sup>1</sup>	180
Mean Time Between Failures (MTBF) (hours)	1000000 hr
Warranty, Limited (years) <sup>2</sup>	3
Rescue Data Recovery Services (years) <sup>3</sup>	-
<b>Power Management</b>	
Startup Current, Typical (12V, A)	1.8 A
Average Operating Power (W)	3.7 W
Idling Average (W)	2.5 W
Standby Mode/Sleep Mode, Typical (W)	0.25 W
Voltage Tolerance (5 V)	±5%
Voltage Tolerance (12 V)	±10%
<b>Environmental/Temperature</b>	
Operating (ambient, min °C)	0°C
Operating (drive reported, max °C) <sup>4</sup>	65°C
Non-operating (ambient, min °C)	-40°C
<b>Physical</b>	
Height (mm/in, max)	20.20 mm/0.795 in
Width (mm/in, max)	101.6 mm/4.00 in
Depth (mm/in, max)	146.99 mm/5.787 in
Weight (g/lb, typical)	415 g/0.915 lb
Carton Unit Quantity	25
Cartons per Pallet / Cartons per Layer	40/8

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