



Seagate ST10000VX0004

Standalone Seagate SkyHawk surveillance hard drive, not a NAS appliance · Specification summary

Capacity	10 TB
Interface and form factor	SATA 6 Gb/s; 3.5-inch drive
Camera workload reference	Up to 64 HD-camera streams in the cited surveillance workload reference; not an NVR input-channel specification.
Drive-bay reference	8+ in the manufacturer table; recorder qualification and maximum installed drive count remain separate.
Health-management reference	SkyHawk Health Management is listed; host support and actual enablement require confirmation.
Tarnish-resistant components	Tarnish-resistant components are listed; no weatherproof enclosure rating follows.
Drive transfer reference	210 MB/s maximum sustained transfer reference at the outer diameter; not the SATA signalling speed.
Cache	256 MB in the exact 10 TB column.
Annual workload limit	180 TB/year for the stated always-on surveillance workload; not retained-video capacity.
Power-on hours reference	8,760 hours/year (24 × 7); this is a design reference, not a service-life guarantee.
Load/unload cycles	300,000
Startup current	1.8 A typical at 12 V; separate from average operating power.
Operating power	6.8 W average operating reference.
Idle power	4.4 W average idle reference.
Standby and sleep power	0.8 W standby / 0.8 W sleep, typical.
Supply voltage tolerance	5 V ±5%; 12 V ±10%. Both rails and startup demand need recorder validation.
Minimum operating ambient temperature	5 °C in the exact 10 TB table column. The cover gives a separate generic 0 to 60 °C ambient statement; confirm the applicable operating envelope.
Maximum operating case temperature	70 °C measured on the drive case; not 70 °C ambient. Avoid sustained extreme temperatures.
Minimum non-operating ambient temperature	-40 °C; no upper non-operating ambient limit is established by this row.
Drive dimensions	Maximum height 26.11 mm, width 101.85 mm and depth 146.99 mm. Confirm mounting and cable clearance.
Drive mass	650 g; packaging is separate.

Specifications are summarised from the manufacturer's published information (checked 2026-10-20). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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