

HGST Intros 10TB Ultrastar Archive

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HGST launches what it claims is the first enterprise-class 10TB HDD designed for next-generation active archive applications-- the host-managed Ultrastar Archive Ha10 SMR HDD.



The drive combines a pair of technologies, namely the 2nd generation HelioSeal helium-filled HDD platform and shingled magnetic recording (SMR), a core technology involving the overlapping (or "shingling") of data tracks on top of each other for higher areal density within the same physical footprint.

HGST adds the Ha10 is rated at 2 million hours mean time between failure (MTBF) and features a 10-15 unrecoverable reduced bit error rate, rotation vibration safeguards, 600K load/unload cycles and a 5-year limited warranty.

"By layering SMR on top of helium, we are enabling massively-scalable, TCO-driven storage solutions with the performance and durability necessary for the long term retention of archived data," the company says. "Making SMR design investments today minimises incremental efforts for future SMR solutions, and gives our customers a time-to-market advantage for all current and future high capacity HDDs in the market."

Initial Ha10 rollout will go towards cloud and OEM storage customers with in-house means for the development of software taking advantage of the drive's SMR capabilities. HGST also offers "libzbc," an open source Linux-based SDK for the development and implementation of SMR command sets.

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