



kaleidescape

Kaleidescape 1U Server

KSERVER-1500

- ▶ **Storage for up to 900 DVDs or 150 Blu-ray Discs**
- ▶ **Servers group to store thousands of movies and albums**
- ▶ **Proprietary RAID-K technology**
- ▶ **Up to 45 simultaneous DVD movie or music zones**
- ▶ **Up to 5 simultaneous Blu-ray movie zones**



The Kaleidescape 1U Server was designed from the ground up to store movies and music reliably on a modern array of hard disk drives without compression or loss of quality. Designed to fit into home entertainment systems, the 1U Server is highly scalable and able to continue operating even after a drive failure, without losing any content.

As your collection grows, you can add additional disk cartridges to increase storage capacity for your movies and music. A single 1U Server provides storage capacity for up to 900 DVDs or 150 Blu-ray Discs. Servers can be grouped into a single system to store thousands of movies and albums.

The Kaleidescape 1U Server provides fail-safe storage for your collection using a proprietary disk storage technology called RAID-K. If a drive fails, the Kaleidescape System continues to operate, and no content is lost. The failed drive is replaced without turning off the server or disrupting playbacks in progress.

The Kaleidescape 1U Server delivers movies and music, over a standard residential network, simultaneously to Kaleidescape players throughout the home. Once movies and music are stored on your 1U Server, they can be enjoyed immediately from any player. For Blu-ray, playback must be enabled by the presence of the physical disc in one of your M500 Players or a Kaleidescape disc vault.



KSERVER-1500 Specifications

Dimensions

- 17.5 in. × 1.7 in. × 18.8 in. (W × H × D)
(44.5 cm × 4.3 cm × 47.8 cm)
- 1 rack unit (rack ears included)

Weight

- 15.0 lb (6.8 kg) with no disk cartridges installed
- 24.0 lb (10.9 kg) with four 2 TB Disk Cartridges installed

Power

- 100–240 V, 50–60 Hz universal input
- 66 W typical (86 W max) consumption
with four 2 TB Disk Cartridges

Environment

- Operating temperature: 41 to 86°F (5 to 30°C)
- Storage temperature: -4 to 140°F (-20 to 60°C)
- Relative humidity: 5 to 90% non-condensing
- Maximum operating altitude: 10,000 ft (3000 m)
- Heat output: 290 BTU/hr (86 W) max
with 2 TB Disk Cartridges
- Airflow: 10 CFM (17 m³/hr) min

Ventilation

- Minimum 1 in. (2.5 cm) ventilation space
at the front
- Minimum 2 in. (5 cm) ventilation space
at the rear

Connections

- 100Base-TX/1000Base-T Ethernet (RJ45 connector)
- RS-232 control port (DB-9 male)
- Two USB 2.0 (reserved)

Storage

- One 2 TB Disk Cartridge for data protection
(RAID-K parity)
- Each additional 2 TB Disk Cartridge stores
50 Blu-ray Discs or 300 DVDs
- Expandable to four disk cartridges for a maximum
of 6 TB storage (150 Blu-ray Discs or 900 DVDs)
- More servers can be added to store thousands of
movies and albums in one library

Bandwidth

- Serves DVD movies or music to up to
45 zones simultaneously
- Serves Blu-ray movies to up to
5 zones simultaneously
- 4 simultaneous imports

Certifications

- CSA (IEC 60950-1:2001, CSA 60950-1-03)
- FCC Class B
- CE
- GOST R
- RoHS compliant

Limited Warranty

- 2 years (extendable)



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www.kaleidescape.com