



kaleidescape®

# Kaleidescape 3U Server

KSERVER-5000



- **Stores up to 1,800 DVDs or 20,000 CDs**
- **Multiple Servers can be clustered to provide over 100 terabytes of seamless storage**
- **Proprietary RAID-K technology keeps your content safe**
- **Hot Spare Disk Cartridge allows failure recovery without a service call**
- **Serves up to 45 simultaneous video or audio zones per Server**
- **Uses standard 100/1000Base-T Ethernet**
- **Requires only 5.25 inches (3U) of rack space**
- **Automatically alerts Kaleidescape when a service call is required**
- **Automatic software updates from Kaleidescape via the Internet**

The Kaleidescape 3U Server was designed from the ground up to reliably store uncompressed high-quality movies and music on a modern array of hard disk drives. Designed to fit into home entertainment systems, the 3U Server is highly scalable and able to continue running even after a drive failure, without losing any content.

As your collection grows, you can add additional Kaleidescape Disk Cartridges to increase storage capacity for your movies and music. A single 3U Server can store up to 1,800 DVDs or 20,000 CDs. Multiple Servers can be clustered in a single System to store many thousands of movies and albums as a single collection.

The Kaleidescape 3U Server provides redundant storage for your collection using a proprietary disk storage technology called RAID-K. If a drive fails, the Kaleidescape System continues to operate, data is automatically restored to the Hot Spare Disk Cartridge, and no content is lost. The failed drive is replaced without turning off the Server or disrupting playbacks that are in progress.

The Kaleidescape 3U Server delivers movies and music, over a standard residential network, simultaneously to Kaleidescape Movie Players and Music Players throughout the home. Once movies and music are stored on your Kaleidescape 3U Server, they can be enjoyed instantly in any Player-equipped room.



The 3U door opens forward and out providing ample clearance to rack-mounted equipment beneath.



## KSERVER-5000 Specifications

### Storage Capacity

- RAID-K data protection and Hot Spare Disk Cartridges standard
- Each additional 1 TB Disk Cartridge stores 150 DVDs or 1,650 CDs
- Expandable to 14 Disk Cartridges for a maximum of 12 terabytes (1,800 DVDs or 20,000 CDs)
- Multiple Servers can be clustered seamlessly to provide over 100 terabytes (15,000 DVDs or 170,000 CDs)

### Bandwidth Capacity

- 45 simultaneous independent video or audio zones per Server
- 4 simultaneous DVD or CD imports

### Connections

- 100/1000Base-T Ethernet (RJ45)
- RS-232 for control systems (DB-9 male)
- Two USB 2.0 (reserved)
- IEEE 1394 (FireWire) 6-pin (reserved)

### Dimensions (w x h x d)

- 17.8 x 5.2 x 19.3 inches (45.1 x 13.2 x 48.9 cm)
- 3 rack units

### Weight

- 29 pounds (12.9 kg) with no Disk Cartridges installed
- 58 pounds (26.3 kg) with 14 Disk Cartridges installed

### Power

- 100-240V, 50-60Hz universal input
- 3A consumption with 14 Disk Cartridges

### Environmental

- Operating: 5 to 35°C (41 to 95°F)
- Storage: -20 to 60°C (-4 to 140°F)
- Relative humidity: 5 to 90% non-condensing
- Thermal output: 1053 BTU/hr maximum
- Airflow: 40 CFM

### Certifications

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



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