

PREMIERE

# KALEIDESCAPE 3U SERVER



kaleidescape



## AT A GLANCE:

- Capacity to store about 1,950 imported Blu-ray discs, or 10,800 DVD quality downloads
- Server can be grouped to store many thousands of movies and CD albums
- Proprietary RAID-K technology plus a hot-spare disk cartridge
- Up to 50 simultaneous playbacks of DVD quality movies
- Up to 15 simultaneous playbacks of Blu-ray quality movies

## KALEIDESCAPE 3U SERVER STORES YOUR MOVIES AND MUSIC, AND PROTECTS THEM USING RAID-K TOGETHER WITH A HOT-SPARE DISK CARTRIDGE.

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

Kaleidescape servers provide storage for movies imported from Blu-ray disc or downloaded from the Kaleidescape Movie Store, as well as music imported from CD. A single 3U Server can provide storage for approximately 1,950 imported Blu-ray discs, or 10,800 downloaded DVD quality movies. Multiple servers can be grouped into a single system to store thousands of movies and albums.

The Kaleidescape 3U Server provides fail-safe storage for your movie and CD music collection using a proprietary disk storage technology called RAID-K. If a hard drive fails, the Kaleidescape System continues to operate, no content is lost, and the content that was on the failed drive is rebuilt automatically on the hot-spare disk cartridge. The failed disk cartridge can be replaced without turning off the server or disrupting any playback.

The Kaleidescape 3U 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 3U Server, they can be enjoyed immediately from any player. For playback of content imported from Blu-ray disc, the physical disc must be present in one of your M500 Players or in a Kaleidescape Disc Vault.

## KALEIDESCAPE 3U SERVER



### DIMENSIONS

- 17.5in × 5.2in × 19.3in (W × H × D)  
(44.5cm × 13.2cm × 49.0cm)

### WEIGHT

- 29.0lb (13.2kg) with no disk cartridges installed
- 48.0lb (21.8kg) with eight 6TB disk cartridges installed
- 59.0lb (26.8kg) with fourteen 6TB disk cartridges installed

### POWER

- Max consumption: 205W, with fourteen 6TB disk cartridges
- Typical: 183W, with fourteen 6TB disk cartridges
- 100–240V, 50–60Hz universal input

### NETWORK

- 100Base-TX/1000Base-T Ethernet (RJ45 connector)

### OTHER CONNECTIONS

- RS-232 control port (DB-9 male)
- Two USB 2.0 (reserved)
- IEEE 1394 (FireWire) 6-pin (reserved)

### 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: 10,000ft (3,048m)
- Heat output: 700 BTU/hr (205W) max with 4TB disk cartridges
- Airflow: 40 CFM (68 m<sup>3</sup>/hr) max

### VENTILATION

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

### RACK MOUNT

- Rack ears included for mounting in a 19in rack, 3U space

### CERTIFICATIONS

- CSA 60950-1
- IEC 60950-1
- FCC Class B
- CE
- EAC
- RoHS compliant

### STORAGE

- Two disk cartridges are used for data protection (one for RAID-K parity plus a hot spare)
- The eight-drive configuration provides 36TB of storage (about 975 imported Blu-ray discs, or 5,400 DVD quality downloaded movies)
- Expandable to fourteen disk cartridges for a maximum of 72TB of storage (about 1,950 Blu-ray quality or 10,800 DVD quality movies)
- Multiple servers can be grouped to store even more movies

### BANDWIDTH

- Serves Blu-ray quality movies to up to 15 zones simultaneously
- Serves DVD quality movies or music to up to 50 zones simultaneously
- Up to four imports can be stored simultaneously

### LIMITED WARRANTY

- 3 years (extendable)

