

Kayak HD

100C, 150C, 200C, 250C, 200, 250, 300

Affordable HD/SD Switching in Seven Powerful Models

Grass Valley™ products from Thomson offer the most comprehensive, multi-format solutions for acquisition, production, storage, and playback—and a strong foundation for centralized, proactive status and activity monitoring.

Our Kayak HD switcher is a powerful, multi-format expansion of the popular KayakDD™ line installed in more than 1,000 facilities worldwide. Designed for broadcasters and professional users in live and studio settings, it's perfect for those who need a high-performance solution at an affordable price.

The Kayak HD family shares common electronics modules and offers a number of models in both 4 RU and 8 RU frames (see below). They support 1080i and 720p high-definition (HD) native productions and are switchable to 525- or 625-line formats within a robust signal-processing frame. They offer 16 direct crosspoint buttons on the 1 M/E panel, 24 on the 1.5 and 2 M/E panels, and 32 on the 2.5 and 3 M/E panels. Four high-quality keyers per M/E are standard with two utility busses in each full M/E. And you can map all primary inputs and internal sources to panel crosspoint buttons, and configure all video outputs as outputs for all internal sources (such as M/Es, RAMRecorder™ units, etc.) or as auxiliary busses.

This switcher family's architecture makes it highly portable yet flexible. It offers an internal six-channel RAMRecorder unit that records and plays out clips and stills with a dedicated hard drive for media storage.



And its 1.5, 2, 2.5, and 3 M/E panels feature mnemonic source displays on each M/E and the program row for easy input identification.

To simplify your transition to HD production, all Kayak HD models offer the MatchDef dual video input scalar option, allowing you to match SD sources into an HD production, or HD sources into an SD production, and cross match different HD formats, without sacrificing critical production elements such as keyers. It also enables you to match video sources of different aspect ratios seamlessly to the native production format.

The Kayak HD family offers a number of options, such as chroma key, RGB color correction, and four frame-based, internal digital picture manipulators (IDPMs) per full M/E for exceptional digital video effects.

Leveraging the same high-quality engineering and many features of our Kalypso™ HD Video Production Center, Zodiac™ digital video switcher, and the KayakDD digital video switcher, the Kayak HD switcher line provides complete machine control; full networking capability to allow multiple control panels to share resources in one video processor chassis, or one panel controlling two chassis; and an intuitive graphical user interface with an integrated touch-screen display for easy operation.

key features

- Four available 4 RU models:
 - 100C 1 M/E (24 in/12 out)
 - 150C 1.5 M/E (24 in/12 out)
 - 200C 2 M/E (48 in/24 out)
 - 250C 2.5 M/E (48 in/24 out)
- Three available 8 RU models:
 - 200 2 M/E (48 in/24 out)
 - 250 2.5 M/E (48 in/24 out)
 - 300 3 M/E (72 in/36 out)
- Switchable between HD and SD formats, including 1080i and 720p HD formats and 525-line and 625-line SD formats
- Fully digital 10-bit video processing
- Low power consumption
- 4 RU and 8 RU frames with hot-swappable modules
- Intuitive menu with touch-screen display
- MatchDef dual video input scalar option on four inputs per M/E or I/O expander module
- Six-channel RAMRecorder plays short clips and stills with hard drive storage
- I/O expander option expands inputs by 24 and outputs by 12 – up to 96 in, 48 out
- Supports extensive list of control protocols
- Four keys per full M/E, each with linear, luminance, and optional Chromatte™ chroma key functionality
- Half M/Es have simple cut/mix A/B background busses with four simple linear and luminance keyers
- Freeze-frame buffers on every keyer
- YUV color correction on every background and keyer bus
- Optional RGB color correction
- Up to four video and key channels of high-end digital effects per full M/E (one standard per full M/E)
- Supports NetCentral™ facility monitoring

Powerful Internal Effects Add Punch to Your Productions

With four keyers, two backgrounds, two utility buses, up to four iDPM channels, and up to four chroma keyers per full M/E, Kayak HD switchers give you more power per M/E than any other switcher in their class.



Slab



Slits



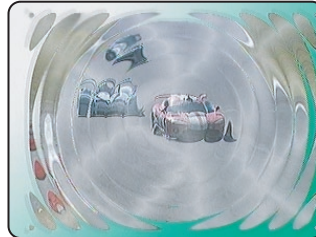
Sphere



Modulation



Page Turn



Ripple

World Class Service

Grass Valley products from Thomson are built to exact standards and backed with a comprehensive hardware and software warranty that includes:

- Technical phone support during regular business hours in your area
- Online database of frequently asked questions (FAQ)
- Advance exchange of product modules

We also offer enhanced services such as:

- Professional Consulting Service (Network Design & Installation)
- Expert Onsite Support (Commissioning & Preventative Services)
- Service & Parts Support Agreements
- Technology & Continuing Education Programs
- Product Operation & Maintenance Training Programs

For more information, please visit www.thomsongrassvalley.com/support.

About Grass Valley

If you watch TV or go to the movies, you've seen Grass Valley products at work. That's because we offer the most comprehensive, multi-format solutions for acquisition, production, storage, and playback—and a strong foundation for centralized, proactive status and activity monitoring. With Emmy® award-winning products and world-class technical and service expertise, we're the experts in professional video and film technologies—especially as broadcast, television, and film production go digital. And we've got the Emmy award-winning technologies and the top-flight customers to prove it.

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