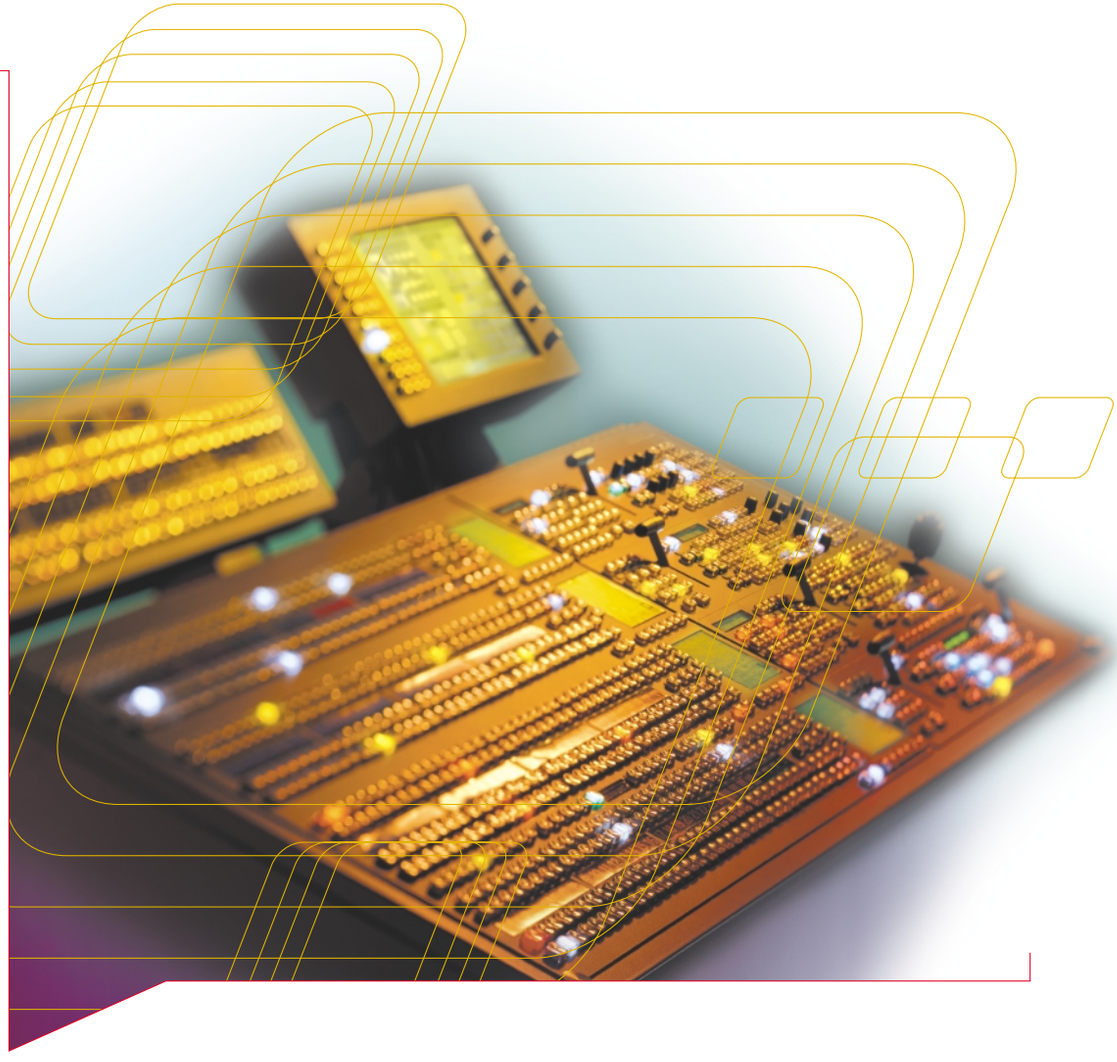
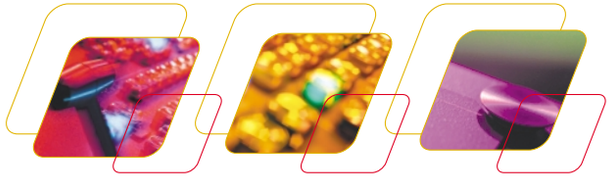
GRASS VALLEY GROUP

# KALYPSO

## VIDEO PRODUCTION CENTER





**MORE THAN JUST A SWITCHER**

IT'S A VIDEO PRODUCTION CENTER

# KALYPSO

## VIDEO PRODUCTION CENTER



*Control rooms have always been busy places.*

*But the demands of today's live-production programming are making them even more frantic.*

*So in an age where everybody wants more,*
*organizations are asking themselves how to provide it.*
*More production value. More control.*
*More new-revenue possibilities.*
*All from the same system – all with the same staff.*





As the hub of a teleproduction environment, the Kalypso™ Video Production Center family combines industry-leading switching and powerful mix/effects (M/E) capabilities with an open, networked architecture that offers a precedent-setting degree of operational integration. With 80 inputs (video or key), it offers fingertip control of a number of previously off-board functions to streamline your workflow, from greater M/E capabilities to a programmable clean-feed system. All from a familiar Grass Valley™ control panel interface.

Supporting standard-definition (SD) signals today and high-definition (HD) signals in the future, the Kalypso family is designed for a world where high-caliber content is moving over multiple digital pipelines. One where broadcasting is giving way to Digicasting™ – to what we call Media Without Bounds.™ In this world, you need more than just a switcher.

You need a video production center.

## 1 How can I provide greater production value with the same budget – even a smaller one?

Lower thirds, sidebars, tickers, and logos. Ribbons, slabs, animated graphic transitions, and multi-box effects. The typical live-production environment is complex, intricate, and demanding.

And will only become more so.

That's why the Kalypso Video Production Center family puts an enormous amount of power, flexibility, and control in the hands of a technical director. It offers eight video and four key paths per M/E bank – and is available in two- and four M/E versions.

To add production elements quickly and efficiently, the Kalypso family features a 100-frame still store with eight outputs including animation on any two of them at a time. It also offers six channels of digital video effects for 2D transforms in 3D space as well as 2D effects such as blurs and mosaics. Best of all, neither of these internal features require sacrificing external inputs or outputs.

Need even more digital effects? You can add up to four external channels – and control them with the familiar Grass Valley E-MEM® effects memory timelines.

Giving you a lot more control in return.

## 2 My production demands are outstripping my M/E banks. How can I get more M/Es out of the same system?

Whether it's the monitor wall of a game show, a basketball shot clock burned onto a video tape, or housing several sources of effects and composites for the nightly news, M/E banks are one of the hottest commodities in live production.

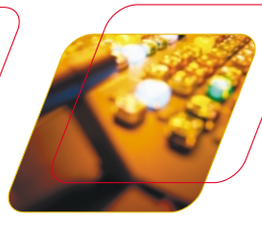
All the more reason to increase their supply.

The Kalypso Video Production Center family features powerful M/E partitioning for secondary composites and layering. With its DoubleTake™ technology, you can assign keyers to two separate background transitions, creating two completely separate M/E outputs from a single M/E bank.

Need M/E scalability? It takes only three circuit boards to upgrade the two M/E electronics frame of a Kalypso system to one that supports four M/Es. You can even network a two M/E control panel with a four M/E version for pre-production applications – or when two suites need to share the same system.









## 3 I have more live elements than ever. How can I control them without cluttering up my main console with extra panels?

Truth is, live production has become more than simple switching and digital video effects. Many technical directors now control all the elements of a live event. So even though their focus should be on the switcher panel, the monitor wall, and the program director, they're often reaching over to grab a VTR/DDR roll panel, router destination panel, or some other piece of equipment.

To keep things running smoothly, a Kalypso Video Production Center system embeds run-time control for many live production devices in its control panel. For example, the Kalypso line lets you control Krystal™ and GVeous™ effects from its E-MEM timeline.

The Kalypso family is also highly integrated with the Profile® digital video platform. Using a machine control area conveniently located above the program/preset bank, you can scroll through Profile clip lists, cue clips, and play them to air. You can play them in a pre-defined sequence or out of sequence just as easily.

The Kalypso line can also control Grass Valley Series 7000 and Series 7500 router destinations via its auxiliary bus control panel. This integration lets you rapidly change router destinations as easy as changing switcher crosspoints. You can gang several router destination changes and store them in an R-MEM™ router memory register. By invoking a single R-MEM recall, you can change multiple router destinations with a single command.

Letting you keep an eye on your work at all times.

## 4 I need to send the same basic feed to two different audiences. How can I handle multiple distribution streams without adding additional resources?

In an era where content is everything, there's great opportunity in packaging one program for multiple audiences. Bi-lingual versions. Live and delayed transmission. Local and national. Home and away.

If you can do it cost effectively.

The Kalypso Video Production Center family offers the most flexible clean feed system in the industry. The FlexiKey™ programmable clean feed system supports two program streams in the same Kalypso frame. It also gives you complete control over customizing graphics for multiple clients – and lets you substitute the appropriate keys into their respective program streams automatically.

So whether it's election night or an afternoon baseball game, you can use one production center to generate two separate revenue-producing programs.

Which is sure to make both your programming and your budget look good.

## 5 I have a standard-definition environment. How can I move easily to high-definition production when I'm ready?

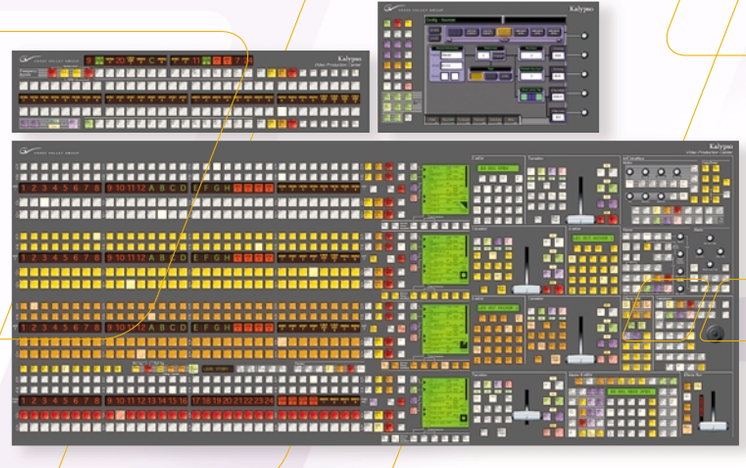
It's a question we hear a lot. Because with all the resources our customers have devoted to creating digital facilities, the last thing they want is an all-consuming effort just to enjoy the benefits of high-definition production.

That's why the Grass Valley Group supports SD and HD formats across all our major product lines, from the Profile XP Media Platform to our Grass Valley switcher, router, modular, and master control products.

Supporting SD signals today, the Kalypso Video Production Center family will include an HD version in the future. Using the same control panel, you can make the transition to HD production with zero retraining. The Kalypso architecture even allows for simultaneous control of SD and HD programs.

Creating even more possibilities in a world of Media Without Bounds.

**The Kalypso Video Production Center family puts an enormous amount of power, flexibility, and control in the hands of a technical director.**





6

**So what exactly is Media Without Bounds™? A philosophy? A product?**

It's both.

Media Without Bounds is the way we see the world, where content creators can access, create, and distribute materials – whether they're in the same building or across the globe – without being impeded by format, resolution, protocol, or geography.

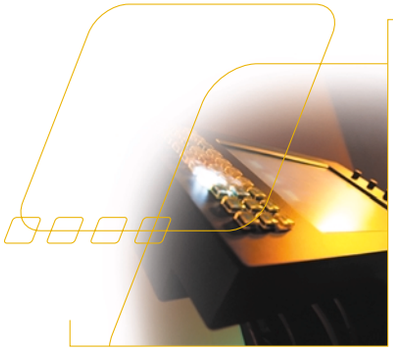
But Media Without Bounds is also an inward-looking philosophy that guides our work. It's what has led us to focus our efforts on four areas that encompass all facets of content creation and distribution: *Media Software*, which enables widespread media access and centralized device monitoring and control; *Media Connectivity*, which bridges the worlds of traditional video routing and standard computer networks; *Media Platforms*, which provide video storage, production, and manipulation while supporting the formats, resolutions, and open architectures necessary to meet the current and future needs of content creators and distributors; and *Media Production* solutions designed to unleash creativity in live operation and post-production settings.

Webcasting. Video on demand. Digital cinema. Data-enhanced broadcasts. Internet. The world is moving from broadcasting to digicasting. To Media Without Bounds.

To learn how to get the most out of it, contact your local Grass Valley Group representative.

Get fingertip control of your live productions – all from a familiar Grass Valley control panel interface.





An exclusive touch-screen interface offers quick and easy set-ups.

Single-button switching keeps pace with live-production requirements.



GRASS VALLEY GROUP

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