

Encore Video Processor

The Encore Video Processor incorporates universal inputs that accept both analog and digital video, plus advanced layering capabilities.



- Supports up to 12 Independent windows or 6 windows with seamless transitions
- (2) Native High Resolution Background channels provide background video with seamless transition effects
- Special Effects A full range of transition effects (dissolve, wipe, etc.)
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Smooth PIP Move & Sizing controlled via Key Frames
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Adjustable PIP Aspect Ratio
- Adjustable PIP Aspect Ratio PIP Borders, including Drop Shadows and Soft Edge
- PIP Borders, including Drop Shadows and Soft Edge PIP Clone (Mirror and Offset)
- PIP Clone (Mirror and Offset)
- Keying Luminance Key
- Luminance Key Split Key (Key Alpha and Fill)
- Split Key (Key Alpha and Fill) Reverse Key (Key on Background)
- Reverse Key (Key on Background) Color Key (Graphics)

- Color Key (Graphics) Alpha Mixing
- Alpha Mixing
- (1) Native High Resolution Down Stream Key channel independent of PIP/KEY processing channels
- Video Processing 10-bit Processing
- 10-bit Processing 1:1 Pixel Sampling
- 1:1 Pixel Sampling Motion Adaptive De-interlacing (SD & HD)
- Motion Adaptive De-interlacing (SD & HD) 3:2 and 2:2 Pull Down Detect
- 3:2 and 2:2 Pull Down Detect Image Cropping
- Image Cropping Aspect Ratio Correction
- Aspect Ratio Correction
- Athena Proprietary High-Performance Scaling
- Low Video Delay - Less than 3 Input Fields
- Z-order Control (Priority layers) for overlapping PIP or Key Images
- Each Mixer Layer is dynamically re-assignable as a mixing (transitioning) PIP, or as two individual (SPLIT) nontransitioning PIP or Key Images.
- Still Frame : Frame Grab of Background and Down Stream Key sources
- Complete Look-ahead Preview
- On-Screen Display (Preview monitor) of Layer Information and Status
- Supports Blended Widescreen Projection
- Output Synchronization: Free-Run or Vertically Locked to NTSC/PAL Blackburst
- Edge Blending 10-bit Processing
- 10-bit Processing Variable Overlap
- Variable Overlap Supports standard and pre-overlapped Background sources
- Supports standard and pre-overlapped Background sources Edge Blending (Feathering)
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