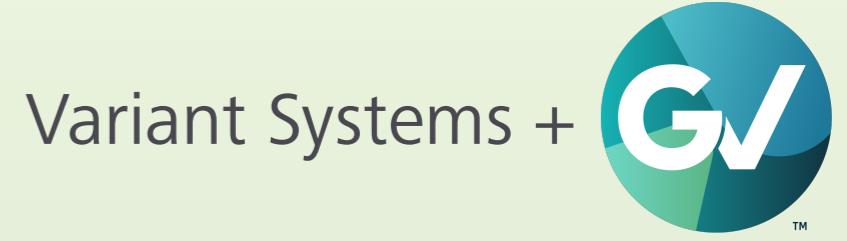




Envivo ClipStore II



Variant Systems is creating Live Production Tools that enhance an operator's workflow and improve their efficiency. Envivo ClipStore **2** answers the demand for a better interface without any compromise and simplistic integration with all video switchers.

Envivo ClipStore **2** delivers multiple configurations that can be quickly recalled, a touchscreen driven interface, and powerful file-based workflows.

Utilizing various control protocols and a dynamic mix of signal types makes Envivo the go-to product line for all types of broadcast production environments.

Envivo's intuitive user interface, streamlines the operator's access to key functions and allows them to make changes "on the fly".

With flexible channel count options, Envivo ClipStore **2** leads the industry with integration technologies for the latest switcher platforms.

Having the ability to host thousands of clips, still images, and playlists, Variant continues to innovate where others fall short.

Incorporating AMP, VDCP, and even NDI+Alpha makes Envivo ClipStore the most powerful switcher enhancement on the market.

Features

- Multi-output Key+Fill Players
- AMP, VDCP, OpenGear Control
- NDI+Alpha Input and Output
- Thumbnail View
- Clip or List Looping
- Input Capture
- File-Based Workflows
- Still-frame Import / Playout
- 1080i, 720p, 1080p, UHD



Envivo ClipStore II



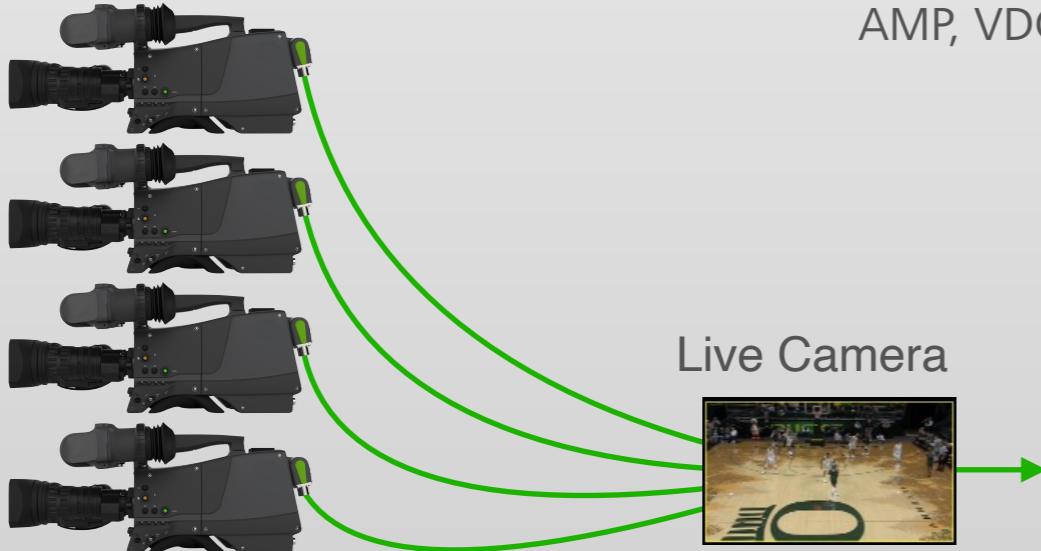
Envivo ClipStore II

Variant Systems +



ClipStore II “Shot Box”

- AMP, VDCP Control
- Thumbnail View
- Configure up to 4-Pairs Key+Fill
- Instant Cue / Play
- NDI+Alpha Input and Output
- Clip or Playlist Looping
- Manually Adjust Field Alignment
- Loop Record and Clip Creation
- Import Files with Alpha
- Time-Slip Functions

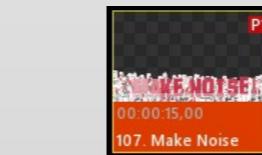


Envivo ClipStore II

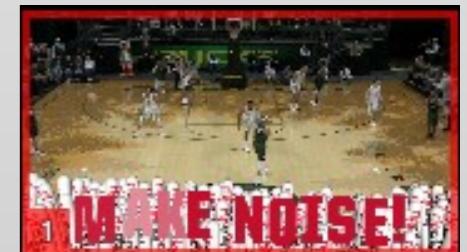


AMP, VDCP

ME1
ME2
ME3



Switcher Output



ImageStore

- Import PNG, JPEG, TIFF, BitMap
- Internal KEY for SDI Output
- Store Thousands of Images
- On-the-fly Scaling
- AMP, VDCP Control
- Pinch/Zoom/Position

- SDI / NDI Key/Fill Playback
- Alpha Animation
- PNG Sequence
- QTRLE .mov



Available through
Grass Valley®
ClipStore II

Powered by **Variant Systems Group**



Variant Replacement for K2 ClipStore

- External Control - Device Menu, ClipStore Interface (K2)
Determinism and Predictability is Key!

● Thumbnails!

User selects the frame



- Still File Import - JPEG, PNG, BMP
- Import/Export Files (EVS, AVID, Apple, Adobe)

Built-in import/export engine
Utilize Internal, External, or Network storage
Supports wide range of video file types
.mov, .mxf, .mkv, .mp4, .mts, .gxf (ProRes, DNxHD, XDCam, AVCI, HEVC)



- 4 Channel HD/12G UHD
3840x2160 or upscale video for UHD
1080p/PsF formats - 60, 59.94, 50, 30,
29.97, 25, 24, 23.98



Specifications

Video Inputs	HD-SDI , SMPTE 2110, or NDI+alpha (720p,1080i,1080p,UHD-12G) 59.94Hz or 50Hz	File Import	.mp4 / .mov / .mxf / .mkv / .gxf - DNxHD - XDCam - ProRes - H.264, H.265 (HEVC) - AVCI - 1080i/720p/1080p 24, 60, 59.94, 239.76, 50, 25, 23.976 - (44.1k or 48k audio)
Input/Output Configuration	2 Key/Fill inputs and 4 Key/Fill Outputs	File Export	Archive AVC50 Long GOP PCM 48k 32bit 8ch (retains original format) - Edit AVC50 Long GOP H.264 - Web 8MB 1280x720 - YUV 4:2:2 YUV 4:2:0 50MB AVC Long GOP or HEVC
Video Outputs	HD-SDI , SMPTE 2110, or NDI+alpha (720p,1080i,1080p,UHD-12G) 59.94Hz or 50Hz	Monitor	DisplayPort output
Control Options	AMP and VDCP protocols supported over ethernet.	Audio Monitoring	Stereo (3.5mm) PC audio jack, User Interface Monitor (HDMI), or Dante Audio distribution
Audio Input/output	8ch embedded per input/output - audio input source can be routed to replace the other audio inputs - Dante (by Audinate) analogue or AES supported	Still Image	Capture /import still images and export to any storage location, Square or 16:9. Stills play back as infinite loop
Record Mode	Loop record at startup, simultaneously on all input channels HD-SDI video conforms to SMPTE 292M	Graphic Overlay	Import bmp, png, or jpg files for graphic overlay on each input - add or remove multiple layers of graphic overlays on-the-fly
Record Format	Mix input formats 720p, 1080i, 1080p and NDI AVC50 Long GOP H.264 or H.265 PCM 48k 16 or 32bit 8ch Audio UHD-12G	Social Media	Integrated publishing to Facebook, Twitter, YouTube built into the User Interface, export stills, clips, and playlists with branded graphic overlays
Playback Formats	1080p 59.94, 60, 239.76, 50, 200, 24, 23.98 1080i 59.94, 50 720p 59.94, 50 NDI 59.94, 50 UHD 59.94, 50	Timecode	Internal system clock, VITC, LTC
Storage Capacity	SSD Standard 80+hrs @ 3G 1080p, 40+hrs @ UHD 2160p	Reference	Locks to HD or SD analog signals Supports either tri-level or bi-level sync sources
Playback Control	GUI touchscreen has built-in transport controls (play, stop, shuttle -50x to +50x, slow-motion slider 0-100% variable speed, record/Live, frame by frame fwd/rev.	Physical size	3RU Rack Mount, 1000W (500w avg.) dual redundant power supply. - 19.0 x 5.25 x 20.0 in (48.3 x 13.34 x 50.8 cm) - 36 lbs (11.8kg)
Ancillary Data	Vertical Anc. data (VANC) Pass through (eg. SCTE104, CC 708/608)		