

VRec

VPlay

VMedia



VRec™

Multi-channel recording system
for production and live broadcast

Multichannel synchronized recording solution

NewTek
NDI®

SMPTE
ST 2110

Haivision
SRT

4K
UHD

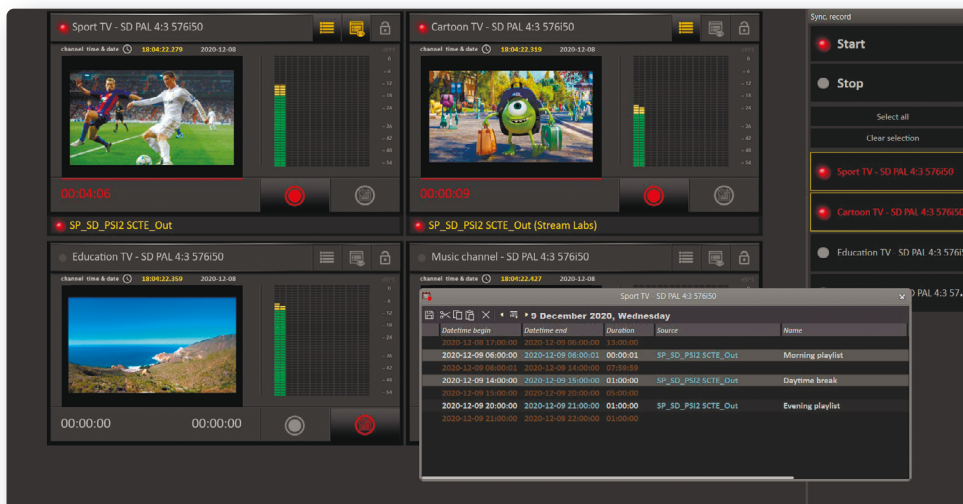


STREAM LABS

VRec is a multi-channel synchronized recording solution that supports recordings initiated by an operator, schedule or external triggers.

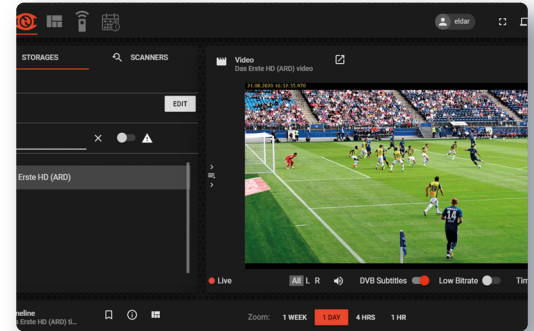
Application

- Ingest of content from external sources for broadcasting or editing.
- Multicameral synchronous recording for studio or live events;
- Tagging of content during the recording: a useful feature for editing;
- Recording by schedule, AD marks or operator command;
- Work with distributed remote production using the client-server technology;
- Digitization of a VCR archive in manual mode or by EDL lists.



Features

- VRec was designed with a remote preview capability allowing for convenient remote operation;
- Multi-format recording allows simultaneous encoding of signals into conventional media file formats;
- Client-server architecture facilitates the ability to remote preview the signals and affords a convenient remote operator workstation. In Preview mode, support is available for the full functionality of the VRec app making remote operation feasible;
- VRec5 may be used to time shift live broadcasts when used in tandem with VPlay5;
- The high system reliability and fast deployment combined with process automation enable stable and failure-free operation;
- Suitable for multi-server configurations;
- The use of COTS components reduce CAPEX/OPEX;
- Real-time recording in various formats;
- Support for various external source with high-quality transcoding;
- Single AV input can be used for multiple recording channels at the same time;
- Each channel transcoding parameters can be configured individually;
- Remote visual monitoring capability of any input or output with minimum lag.



Capabilities and advantages

Multichannel synchronous recording

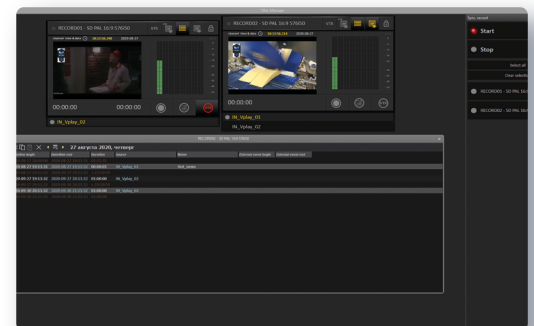
VRec is used for multi-channel recording with time code generation in every file generated.

Recording as scheduled and cued

Channels can be recorded manually or as scheduled. The timetable can be set separately for each channel or for all as group.

Support for camcorder and VTR recording formats

VRec supports compression formats used in various recording devices such as; tape and digital camcorder disk drives.





Formats

Supports all major formats of audio/video inputs.
Inputs are configurable for each recording channel individually.



Operation in hybrid environments

VRec5 is a perfect choice for broadcast companies that use a conventional SDI and plan to switch to IP using SMPTE ST 2110, NDI, TS and SRT.



Supported I/O cards

Stream Labs, DeckLink, AJA, BlackMagic, Dektec and Mellanox boards are supported.

Specifications

Input/output interfaces and formats:

- SMPTE-2110, NewTek NDI®
- SD/HD/UHD-SDI (Embedded audio)
- Composite/S-Video/YUV (Analog Audio: balanced/unbalanced)
- IP TS SD/HD/UHD (MPEG 2, AVC/H264, HEVC/H265)
- HDMI (576, 720, 1080, 2160)
- WEB RTMP, RTSP, HLS Multi-Bitrate, MPEG-Dash, SRT

Audio compression formats:

- MPEG1/2 layer 2
- AAC
- PCM

SD/HD/UHD formats and codecs:

Containers:

AVI, MOV, MXF, MP4

Compression formats supported:

AVC/H.264 CBR и VBR, Apple ProRes SD/HD HQ/LT/NQ/Proxy 4:2:2, MPEG2 GOP/I-frame, DV/DVCAM/HDV, DVCPR025/50/100, IMX 30/40/50, XDCAM EX, XDCAM HD, XDCAM HD422, DNxHD (36, 145, 220), XAVC.

Ad insertions and External triggers:

- SDI/MPEG TS SCTE-35/104
- DTMF
- External GPI triggers for start/stop operations

Supported I/O cards:

- StreamLabs, DeckLink, AJA, BlackMagic, Dektec, Mellanox



**STREAM
LABS**

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