

Cinegy Capture PRO

multi-channel ingest



Cinegy Capture PRO reinvents the acquisition and encoding process, unifying the task of ingesting and generating edit and web proxies in all popular formats and containers simultaneously. As centralized service operators can use the powerful remote Cinegy Capture Control client app or web interface – whenever or wherever they need it. Just take a standard PC or server, add one or multiple SDI cards, install Capture PRO and start experiencing the benefits of cost effective, centralized ingest controlled by anyone permitted. Capture PRO handles SDI, IP and NDI as well as DVB/ATSC streams. For scheduled or repetitive tasks the Capture Schedule Planner lets you automate ingest for unlimited channels with high-availability and failover features. Cinegy Capture PRO can also run virtualized or in the cloud.

Scalability

The idea behind Capture PRO is as simple as it is revolutionary; one or multiple instances of Cinegy Capture PRO can be installed as a selfstarting service on a commodity server or standard PC and configured to work with specified video hardware or IP streams. Once started, each Cinegy Capture PRO service announces itself to the network to be controlled via the powerful Windows control application, which includes the same embedded Cinegy technology for IP stream multicast allowing broadcast-quality real-time feedback streams for instantaneous review of what is being received. There is no limit to how many instances of Cinegy Capture PRO can run on a machine other than processor performance and available space to install SDI cards. With a high performance server or workstation up to eight AVID DNxHR, Sony XDCAM HD422, Sony XAVC or Apple ProRes streams can be captured simultaneously. Cinegy Capture PRO supports most modern industrial codecs and file formats, from established MOV files through to such new standards as MXF AS11 and many more between.

Automatic Proxies

Need Avid proxies, lower-quality distributable files, or SD-downconverts? No problem – Cinegy Capture PRO also allows multiple versions to be generated on-the-fly to a single process making sure you have what you need the moment you finish. And if you cannot wait to finish, you can always hit the “Split” button and have Cinegy Capture break your recording into pieces and not lose a single frame – essential for long recording sessions or automated recordings.

Flexibility Redefined

Cinegy Capture PRO makes ingest a flexible yet reliable resource that can be shared between multiple people. With its wide video format support and its ability to create multiple formats and proxy copies at the same time, Cinegy Capture PRO can replace separate ingest and transcode machines that were previously required to achieve the same. The built-in capability to encode a video frame once before wrapping into both Avid-compatible MXF and FCP-compatible MOV files gives new flexibility for mixed-environment productions. Support for writing to local and network storage at once also helps you deal with unexpected situations without losing any material, while the remote control client is free to connect and disconnect and recording just keeps rolling.

KEY FEATURES

- SD, HD and UHD/4K and 8K
- SDI, IP and NDI input sources
- Full SRT support¹
- Webcam support
- Multi-channel
- Multi-format
- Multi-proxy
- Multi-user
- Enterprise scalable architecture
- Central “Network Ingest Appliance”

Single Control application for unlimited channels

Multicam ingest with gang control

GPU accelerated encoding of H.264, HEVC and Daniel2

Scheduled recording

Nielsen watermarking²

Customizable layout

Cinegy Archive Integration³

High-availability auto-failover recording

Web based cross-platform control panel

Web based Scheduled Planner

Open API for control and integration



Cinegy Capture Control consists of multiple customizable, movable elements, which display the capture service and engine information, as well as allows an easy-to-use recording session control.

¹ “Secure Reliable Transport” - see [SRT Alliance](#)

² subject to customer certification

³ available as a paid option

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Workflow with No Limits

Cinegy Capture PRO allows you to build the flexible and solid workflow for any scenario you may need, be that free-standing recorders or direct ingest into centralized asset management systems. On the basis of integration with Cinegy Archive, you can use Cinegy Capture PRO with all Cinegy products, recording into network storage and making content immediately available to everybody for collaborative work, further editing or broadcasting. A gang recording control panel allows using Cinegy Capture PRO as a multicam ingest tool for synchronous multichannel recording from Live studios back at headquarters or in OB vans and at on-site events. Live cameras, VTR or IP streams – all this may be combined within a single solution.

Service-Oriented Architecture

Cinegy Capture PRO is based on the latest service-oriented architectural principles, which allows Cinegy Capture PRO to be used as flexibly as possible using open web services by systems integrators and customers. Cinegy worked closely with AMWA and EBU to make sure that Cinegy Capture PRO was one of the first ingest products to adhere to the Framework for Interoperable Media Services (FIMS) standards, designed to make it simpler for broadcasters to deploy and maintain complex systems. Using these principles, coupled with the advances made in modern computing power, this software-based platform can support both pre-existing ingest scenarios as well as offer support for a whole new set of uses, from OEM integration through to OB truck recording. The product itself is split into two main components:

- The service-based Cinegy Capture PRO 'Engine', responsible for performing the core functions of recording, encoding and controlling and reacting to devices.
- The client-based Cinegy Capture PRO 'Control Panel' providing the modern GUI application, built as panel modules layered together to meet particular and varied ingest requirements.

Supported Codecs and File Formats

- Apple ProRes
- AVC-Intra / AVC-Ultra
- Sony XDCAM up to HD422
- Avid DNxHD/HR
- Sony XAVC
- Sony IMX
- DV up to DVCPRO HD
- HDV
- H.264
- HEVC
- MPEG-2
- MXF OP1a / OP-ATOM
- MXF AS-02
- MXF AS-03
- MXF AS-11 / DPP
- Windows AVI
- QuickTime MOV
- WAV and MP3 audio files
- Uncompressed
- Cinegy Daniel2
- AAC audio
- WAV/PCM audio 16-24 bit
- VANC data
- many more ...

Video I/O

Cinegy Capture PRO supports a wide variety of SDI & IP boards:

- AJA Kona and Corvid SDI & IP cards
- Blackmagic Design Decklink SDI cards
- Deltacast SDI & IP cards
- NDI via standard Ethernet
- various others ...

Remote Control Panel Features

Cinegy Capture PRO includes a control panel application allowing operators to build the best workspace for the job in hand. The control panel supports simultaneous control of multiple Cinegy Capture PRO engines from multiple servers, real-time previews of all streams with PPM and VANC indicators, Sony 9-pin based device control support for remote VTR control and a flexible template management system for repeated workflows without setup hassle. The Cinegy Capture Control remote panel does provide everything needed, providing the benefit of being able to work remotely without any compromises.

WEB Control Panel Features

The web-based control panel allows you to control your ingest sessions from any mobile device and any OS via a LAN or Internet connection, including real-time preview and multi-channel ingest operations.



Schedule Planner

Capture PRO includes a powerful web planner to manage and schedule all your recordings in advance, including recurrent live events.

