



Avid FastServe | Live Edit

Turn around stories and highlights instantly



Turnaround incoming feeds lightning-fast with a powerful turnkey video server solution that empowers high-efficiency collaboration across any live news or sports broadcast production. When timing is critical, Avid FastServe™ | Live Edit is your first response tool, enabling teams to capture, edit, and playout media from within the same box and get breaking stories, sports highlights, and replays to air immediately. Its modular, future-proof architecture fits any budget and provides a smooth transition from HD to UHD, and from SDI workflows to video over IP.

ACCELERATE PRODUCTION

Avid FastServe | Live Edit offers media ingest, editing, and playout capabilities in a single versatile solution. It can capture up to four simultaneous UHD feeds or eight simultaneous HD sources—24/7 if needed—through SDI or IP. With on-the-fly real-time editing on the video server itself, you can turn around content within seconds, speeding your time to air—ideal for press conferences, political debates, sports highlights, replays, and other live events.

STREAMLINE COLLABORATION ACROSS MEDIACENTRAL

With sports coverage driving the transition to UHD, teams are tasked with ingesting multiple UHD feeds and quickly cutting together highlights for immediate playback. Avid FastServe | Live Edit makes it easy to tag game highlights and other video with descriptive keyword metadata and automatically share content across your entire MediaCentral® production environment, making media easier to find and monetize across multiple delivery platforms. This streamlined collaboration provides the best of both worlds—instant-response capabilities from within the same box, while simultaneously extending creative editorial to others using Media Composer® or MediaCentral. Not only does this improve your end results, it significantly reduces turnaround time and costs.

PUT BETTER CONTROL IN YOUR OPERATOR'S HANDS

Avid FastServe | Live Edit's intelligent hardware controller makes it easy to control and edit breaking news stories, game highlights, and deliver replays instantly. Get fast access to clips, playlists, server controls, and configuration tools through its intuitive touchscreen and tactile controls. Scroll, navigate, select, edit, assign, present, and export clips through user-customizable buttons, a configurable jog wheel, and T-bar. And access a variety of functions using user-programmable LCD keys that change according to the server's status.

GET BREAKING STORIES ON AIR FAST

When news breaks, video from satellite feeds, cameras, mobile devices, and other sources come in fast and furious. Footage needs to be encoded and organized quickly. Avid FastServe | Live Edit enables a single operator to trim and package studio monitor loops, visuals for voiceovers, and audio syncs quickly, as well as create playlists and add or remove segments from playlists while on air. Clips can be tagged and sorted live while transferring to Avid NEXIS®, making content immediately available and easy to find for editors using MediaCentral and/or Media Composer.

SAFEGUARD YOUR LIVE BROADCAST

When covering live events and breaking news scenarios, the possibility of airing offensive or controversial content in your live broadcast is a risk. To prevent this,

KEY FEATURES

- Get full media ingest, editing, playout, and collaboration capabilities all in one box
- Complement your existing news workflow with the best first response tool, enabling instant content turnaround
- Gain workflow flexibility with I/O configurations for HD, 1080p, and UHD
- Be ready for any breaking news scenario with 24/7 loop recording capabilities
- Edit multiple incoming feeds and turn around sports highlights and replays fast—as the action happens—while reducing operational costs
- Make media instantly available to other team members within MediaCentral for additional craft editing for instant and automatic collaboration
- Quickly tag and sort clips using keywords for immediate use and for smarter collaboration
- Easily make a smooth transition from SDI to video over IP workflows
- Get support for more languages, including Latin and Japanese, enabling you to set file names, keywords, and more in the local production language
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Avid FastServe | Live Edit offers a delayed broadcast option that allows you to set a short time delay to prevent inappropriate content from getting to air.

ENABLE 24/7 INGEST

Avid FastServe | Live Edit combines a huge storage capacity of over 200 hours in DNxHD (120 mbps) with “first in, first out” loop recording, enabling a continuous capture cycle. When loop recording is enabled, FastServe | Live Edit runs ongoing recordings, with each clipped item automatically protected. Any parts that are not required are overwritten automatically. This is extremely valuable in fast-paced news workflows, where broadcasters need to record and monitor different baseband sources, and need the option to roll back and create a segment from the ongoing recording.

SPEED UP SPORTS HIGHLIGHT EDITING

FastServe | Live Edit makes it easy for a single operator to simultaneously edit highlights from several downstream game feeds in a studio environment. The studio work mode enables you to edit up to six separate feeds, while the server manages each input with its own clips list and playlists. Not only does this significantly boost productivity, it protects you from human errors that might end up as on-air mistakes.

Any clipped highlight can be instantly shared across your production environment. With embedded touchscreen keywords tagging, journalists can easily search for and find specific game highlights, as all keywords are checked in to MediaCentral | Production Management.

STREAMLINE YOUR WORKFLOW ON LOCATION

Avid FastServe | Live Edit is ideal for on-location live sports or any remote live production. It can handle everything from pregame shows and instant replays, to highlight packages and full game recaps. And it offers a streamlined workflow for creating melts while maintaining all keywords and metadata across your production environment. Content can later be made available across your entire MediaCentral environment.

PROTECT INVESTMENTS WHILE REDUCING COSTS

Avid FastServe | Live Edit greatly streamlines the studio workflow, requiring fewer servers and fewer operators while providing better results and reduced operational costs. It protects your capital investment by supporting both today's and tomorrow's technologies, so you can be “future-ready” right now.

Designed to handle both HD and UHD ingest and playout, it not only provides an easy transition from HD to 1080p or UHD, it also makes it easy to migrate to IP infrastructures, offering interchangeable SDI and IP I/O interfaces (supporting the SMPTE 2110 standard) to lower overall costs and streamline operations. You can also mix HD-SDI with video over IP interfaces to support hybrid infrastructures and optimize production workflows, making FastServe | Live Edit an easy fit into any broadcast environment.

SPECIFICATIONS

CPU	2 x Intel Xeon 8-Core 2.1 GHz
Operating system	CentOS Linux
Memory	64 GB RAM
Data interfaces	1 x Serial 4 x USB 3.0 (2 front, 2 back) 2 x 10Gb Ethernet (SFP) 2 x 1Gb Ethernet (RJ45) 1 x VGA maintenance (back) 1 XLR LTC input
Internal storage	Video server—16 x 2 TB SATA 3, RAID 60 System disk—2 x 240 GB SSD, RAID 1
Media capacity	XDCAM50 422: Over 360 hours DNxHD SQ: Over 200/160 hours DNxHR SQ 3G: Over 100/80 hours
Supported video codecs	HD: XDCAM HD 422, DNxHD SQ, DNxHD HQ-X 3G: DNxHD SQ, DNxHD HQ-X UHD: DNxHR SQ, DNxHR HQ-X
Video inputs	HD-SDI/3G-SDI with clean and OSD loops
Video outputs	1 x HD-SDI/3G-SDI
Video outputs (monitoring)	1 x HD-SDI/3G-SDI, OSD On/Off

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Available I/O configurations—HD	Fully Flexible 8 in / 0 out 7 in / 1 out 6 in / 2 out 5 in / 3 out	4 in / 4 out 3 in / 5 out 2 in / 6 out 1 in / 7 out 0 in / 8 out
Available I/O configurations—UHD	Fully Flexible 4 in / 0 out 3 in / 1 out	2 in / 2 out 1 in / 3 out
Audio	Embedded audio—PCM; up to 8 stereo audio channels per video input; 4 stereo for XDCAM	
Video references	Genlock, Analog Black Burst / Tri level sync / 75Ω with loop through	
Timecode input	Internal free run LTC—XLR, Embedded VITC / ATC (RP-188)	
Timecode output	VITC / ATC	
Dimensions (H x W x D)	3U Rack, 5.1 x 17.4 x 31.1 inches (130 x 443 x 790 mm)	
Weight	83.7 lbs (38 kg) approximate	
Power supply	Redundant power supply, 100–240V, 47–63 Hz, 2 x 1,500w (max)	
Environmental conditions	Operating temperature: 41°–104°F (5°–40°C) Storage temperature: -40°–158°F (-40°–70°C) Humidity: 90% max	

CONTROLLER SPECIFICATIONS

CPU	Atom N270
Operating system	Linux
Memory	1 GB RAM
System hard drive	8 GB SSD
LCD	5.7-inch (144.8 mm) 640x480 TFT color touchscreen
Controls	37 illuminated push buttons, 3 million operations minimum; user-configurable jog wheel; T-bar controller
Channel configurations	8-channel server 7 in / 1 out 6 in / 2 out (PVW-PGM / 2PGM / MultiPGM) 4 in / 4 out (Adding a second controller enables two more outputs to be configured)
Super slow motion configurations	Supports 2x, 3x, 4x, & 6x normal speed cameras, combined with single phase camera recording channels
Data interfaces	1 x Serial 2 x USB 2 x 1Gb Ethernet 1 x VGA
Input devices	Support for external USB keyboard and USB mouse
Dimensions (H x W x D)	7.1 x 11 x 11.2 inches (180 x 280 x 285 mm)
Weight	10.6 lbs (4.8 kg) approximate
Power consumption	100–240V, 47–63 Hz, 60w (max)
Environmental conditions	Operating temperature: 41°–104°F (5°–40°C) Storage temperature: -40°–158°F (-40°–70°C) Humidity: 90% max

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