



## Broadcast servers for ingest and playout

# Broadcast Video Servers for HD/SD Ingest and Playout

Geevs Broadcast Servers for Ingest and Playout suit a wide range of demanding applications, such as simple ingest, complex newsroom integration, live sports with instant replay, multi-camera studio ingest, or 24/7 scheduled playout. With over 1,000 channels on air, Geevs servers offer broadcasters real benefits and return on investment with a full feature set, including unmatched codec support for Apple ProRes, Avid DNxHD, AVC-Intra 100, and DVCPRO HD. Geevs also has a free API for integration with third-party solutions, making it the most flexible Broadcast Server available.

## Feature highlights

### CLIENT APPLICATIONS

Geevs applications offer a great deal of flexibility for your server. Geevs Studio MC provides multi-camera synchronous studio ingest and review, Geevs Live provides Studio Playout with MOS integration, Geevs Sports provides synchronized ingest of up to four cameras, with instant replay and dynamic slow motion and Geevs Autorun provides dedicated 24/7 scheduled playout. Geevs also has other utilities for file conversion, time delay, content insertion and automation support.

### FORMATS AND CODECS

Unmatched support and integration for Broadcast and Post-Production formats, including DV25, DV50, IMX, MPEG-2, Uncompressed, DVCPRO HD, ProRes, Avid DNxHD, and AVC-Intra 100. Geevs supports Edit While Capture on EditShare shared storage in MXF and QuickTime.

### BROADCAST TOOLS

Flexible toolset, including VDCP, MOS, RS-422, router control and GPI I/O for integration with external controllers or vision mixers. Geevs also has a free API.

### PLAYOUT WHILST RECORDING

Geevs supports playout of files while they are still being captured or transferred, offering huge time savings and the ability to make last-minute critical changes to content.

### FLOW INTEGRATION

Seamless integration with Flow allows you to begin browsing and logging your media during ingest. Geevs creates realtime proxy files and also Avid and FCP sequences from vision mixer cuts through Studio MC.

### REDUNDANCY

Full failover recording capabilities, simultaneously capturing to central and local storage with the ability to re-synchronise databases after a recovery. Full integration with Ark also ensures that you always have a backup in your archive.



### GEEVS CLIENT

Standard client for multi-purpose ingest and playout.

Features include:

- ▶ Quick record and playout
- ▶ Playout while recording
- ▶ Virtual tapes for VTR replacement
- ▶ Playout of sequences with playlist functionality such as loops, go to and gpi triggers
- ▶ Searches with ability to save searches
- ▶ Batch record from VTR with manual or imported batch list.

### GEEVS STUDIO MC

Multichannel synchronised ingest of up to 16 cameras with:

- ▶ Automatic incremental metadata such as episode, scene and take
- ▶ Instant review of all angles in sync
- ▶ Real-time generation of Avid and FCP sequences
- ▶ EDLs for collaboration with post-production and NLEs
- ▶ Real-time generation of proxy files
- ▶ Integration with Flow Database.

### GEEVS SPORTS

Multichannel synchronised ingest and playout of up to four camera feeds. Features include:

- ▶ Instant replay from any angle
- ▶ Dynamic slow motion replay
- ▶ Playlists for highlights and packages
- ▶ Integration with flow database for collaboration with post-production and NLEs.

### GEEVS LIVE

- ▶ On-air control of multiple play channels
- ▶ Fast selection of clips via user keyboard or shot-box
- ▶ Integrates with vision mixers through GPI
- ▶ Supports MOS protocol for newsroom integration with run downs and MOS objects.

### GEEVS AUTORUN

Simple automation system for 24/7 scheduled playout.

Features include:

- ▶ Creation of playlists, including trigger via PC clock, timecode or GPI
- ▶ Support for GPI I/O, router control, VTR playback control and static logo insertion.

### GEEVS TRANSLATE

- ▶ Copy, transcoding and re-wrapping of files through watch folders
- ▶ File interchange tool for managed / automated file transfers
- ▶ Installed on server or client workstation.

### GEEVS FAILOVER

- ▶ Simultaneous recording to central and local storage with failover
- ▶ Includes redundant database
- ▶ Synchronisation tools for switching back to central storage and database on network recovery.

### GEEVS MOS

MOS server software and server with Active X plugin to interface from a newsroom system to a Geevs server.

- ▶ Requires Geevs Live for playout
- ▶ Dedicated 1RU Server
- ▶ One license per server
- ▶ Playout channel control via Geevs Live.

### GEEVS LINK

- ▶ Integration with automation systems and control surfaces using the VDCP protocol.
- ▶ Server-only installation with one License per server
- ▶ Up to four channels of Ingest control and up to four channels of playout channel control
- ▶ Single server control.

**Geevs SD**

(1/2, 2/4, 3/6 SD-SDI, Analogue) - 4U Chassis

**Geevs HD**

(1/2, 2/4, 4/4, SD-SDI, HD-SDI) - 4U Chassis

**Geevs HDP**

(1/2, 2/4, 4/4, SD-SDI, HD-SDI) - 4U Chassis

## Geevs Product Specifications

### SERVER MODELS

**Geevs SD** (1/2, 2/4, 3/6 SD-SDI) - 4U Chassis

**Geevs HD** (1/2, 2/4, 4/4, SD-SDI, HD-SDI)  
- 4U Chassis

**Geevs HD Geevs HDP** (1/2, 2/4, 4/4, SD-SDI, HD-SDI)  
- 4U Chassis

### SERVER ENGINE

Operating System	Windows 7, 32 bit
OS Drives	2 x 160GB 2.5" SATA - Mirrored (RAID 1)
Internal Storage	Up to 8TB (4 X 500GB, 1TB, or 2TB, RAID 5)
External Storage	EditShare integration Direct Attached Storage option (up to 32TB) SAN Support
Power	600W redundant
Networking	1 GbE and optional 10 GbE

### VIDEO AND AUDIO I/O

Digital Video	I/OHD-SDI and SD-SDI  Up to four simultaneous HD channels depending on codec and server configuration  Up to six simultaneous SD channels depending on codec and server configuration
Embedded Audio I/O	Up to 16 tracks per channel
AES / EBU Audio I/O	Up to 8 tracks per channel
Genlock	Black burst reference

### OTHER SERVER OPTIONS

Internal / External options	GPI (Internal and External) LTC (Internal and External) RS422 (Internal only)
Geevs Controllers	Geevs Sports Controller (only available with Geevs Sports software)  Geevs Shotbox (to control Geevs Live)  Geevs Media Controller (general purpose controller with VTR controls)

### TIMECODE SUPPORT

System Clock	Embedded VITC External LTC (with optional LTC card)
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### GEEVS SUPPORTED FORMATS

SD Servers	SD Codecs: DV25, DV50, IMX, MPEG-2 SD I-Frame, MPEG-2 SD Long GOP, Uncompressed SD
HD Servers	All SD Server codecs PLUS: HD Codecs: MPEG-2 HD I-Frame, Uncompressed HD
HDP Servers	All SD and HD Server codecs PLUS: HD Codecs: ProRes, Avid DNxHD, AVC-Intra 50/100, DVCPRO HD
Wrapper Support	QuickTime, MXF Op1a, MXF OpAtom, AVI, Edit While Capture Please note that certain configurations of codecs and wrappers are not supported. For full details, please visit <a href="http://www.editshare.com/geevs/codecs">www.editshare.com/geevs/codecs</a>

### DIMENSIONS AND WEIGHT

(Width x Height x Depth) (All rack-mountable and supplied with rack rails)

4U	59cm(D) x 48.7cm(W) x 17.6cm (H): 25-35 KG (depending on drive size)
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