



# Geevs

Geevs next-generation media servers that deliver reliability, efficiency and productivity to Ingest and Playout workflows



At the heart of Geevs is a resilient server solution that is easy to configure and easy to deploy, allowing stand-alone systems to be set up in minutes. The addition of single and multi-function clients allow complex server workflows to be completed with ease via dedicated a user interface.

Geevs media servers are available as 2 channel (2 in 2 out) or 4 channel (4 in 4 out) servers supporting both SD or HD formats and most codecs. Geevs has high power processing allowing long GOP and open GOP codecs to be use as well as complex codecs like AVC-intra

Using the power of Flow EditShare's unique Production Media Asset Management, complex end-to-end systems and workflows can be created with ease. Full integration with EditShare storage and Flow MAM are

designed in with additional support for stand-alone mode, third party SAN storage or Direct Attached storage as options.

**Geevs Client** - With its easy to use interface you can control live capture/playback, create subclips, sequences and playlists plus manage the integrated media database.

**Geevs StudioMC** - Synchronised live ingest of up to 16 inputs, automatic metadata for episode, scene & take with custom markers and comments. Support for automatic production of NLE edit time-line with multi-cam drag-and-drop support from EditShare Flow.

**Geevs Live** - On-air control of dual playout channels with fast selection and playout of rundown clips, use it stand-alone or linked to your News room system.



## Broadcast Servers for all Workflows

- ▶ Multi-cam capture
- ▶ Live capture
- ▶ Scheduled capture
- ▶ Edit while capture
- ▶ News Room Playout
- ▶ Live Playout
- ▶ Sequence Playout
- ▶ Automation Playout
- ▶ Delay for +1 channels
- ▶ Custom API control
- ▶ Editshare storage integration
- ▶ Flow media asset management



Geevs Server Front



Geevs Server Rear

## Geevs Product Information

| Model Number | Total SDI Port Count | Supported SDI Inputs / Outputs | CPU Option              | Supported Realtime Streams (High Res Plus Low Res Proxy) <sup>1</sup>  |
|--------------|----------------------|--------------------------------|-------------------------|--|
| Geevs 2/2    | 4                    | 2 In - 2 Out                   | Standard (Dual 8-Core)  | 4 streams in all codecs except 2 streams in AVC (1 stream 1080p50/60)  |
| Geevs 2/2+   | 4                    | 2 In - 2 Out                   | Uplifted (Dual 12-Core) | 4 streams in all codecs including AVC (2 streams 1080p50/60)           |
| Geevs 4/4    | 8                    | 4 In - 4 Out                   | Standard (Dual 12-Core) | 8 streams in all codecs except 4 streams in AVC (2 streams 1080p50/60) |
| Geevs 4/4+   | 8                    | 4 In - 4 Out                   | Uplifted (Dual 14-Core) | 8 streams in all codecs including AVC (4 streams 1080p50/60)           |

### HARDWARE SPECIFICATION

- Next-generation 2U Chassis with optional slide rail
- Dual socket X10 Supermicro Motherboard
- 32GB ECC DDR4 2133 MHz High Speed RAM
- 256GB SSD OS drives, hot-swappable, front caddy (mirrored OS option)
- Hot-swappable Power Supplies, Media and OS drives
- Dual port 10GbE Network Card
- Optional Single/Dual Port SFP+ Optical 10Gbe card
- Multiviewer screen output (HDMI 1920x1080)
- Control screen output (DVI / VGA 1920x1080)

### VIDEO STANDARDS SUPPORT

- SD-SDI - 525i 29.97, 625i 25
- HD-SDI - 1080i 25, 29.97, 1080PsF 23.98, 720p 50, 59.94
- **Optional:** (HD) ProRes 1080i 25, 29.97 1080p 25, 29.97, 30,50, 59.94, 60

## Technical Specifications

### ELECTRICAL

|                   |                |
|-------------------|----------------|
| Input Voltage     | 100-240 VAC    |
| Input Frequency   | 50/60 Hz       |
| Power Consumption | 320W/380W peak |

### ENVIRONMENTAL

|                       |                             |
|-----------------------|-----------------------------|
| Operating Temperature | 10°C (50°F) - 35°C (95°F)   |
| Operating Humidity    | 8% - 90%, non-condensing    |
| Storage Temperature   | -20°C (-4°F) - 60°C (140°F) |
| Storage Humidity      | 5% - 95%, non-condensing    |

### SOFTWARE SPECIFICATION

- Windows 7 Professional

### MEDIA STORAGE

- EditShare storage/Flow support is included as standard
- Optional 6 hot swap SATA drives. Up to 36TB RAID 6

### STANDARD I/O CONNECTIVITY

- (2/2 / 4/4) 4/8 HD-SDI/SD-SDI I/O (BNC)
- 16 channel embedded audio per video channel (via BNC)
- **Optional:** 2 AES/EBU Digital Audio inputs per video channel (unbalanced BNC) (2 AES pairs per channel) and 4 AES/EBU Digital Audio outputs per video channel (unbalanced BNC) (4 AES pairs per channel)
- **Optional:** Internal or External LTC reader (BNC / RCA)
- **Optional:** Internal or External GPI unit (16 in / 8 out DB37)
- **Optional:** RS-422 (Serial Control) 4 x DB9 (Sony)
- **Optional:** Ref Video Input Analogue Bi/Tri level (BNC)

### THERMAL EMISSIONS

|                        |             |
|------------------------|-------------|
| Typical Thermal Output | 1092 BTU/hr |
|------------------------|-------------|

### DIMENSIONS

|                    |                              |
|--------------------|------------------------------|
| Height/Width/Depth | 89/445/650mm 3.5/17.5/25.6in |
|--------------------|------------------------------|

### WEIGHTS

|                       |               |
|-----------------------|---------------|
| Shipping Weight       | 35 kg / 77 lb |
| Racked (with OS HDDs) | 25 kg / 55 lb |
| Racked (with 8 HDDs)  | 29kg / 64 lb  |

Channel limitations may apply on some models depending on codec configuration. Contact EditShare Technical Support for more information.

v1.0.3 - All specifications are subject to change at any time without notification.

