



Play Any media file, from Anywhere, in a Browser. Say hello to GLIM.

Play the unplayable. Play mezzanine and professional grade media files in a web browser. GLIM is perfect for File QC, Engineering, Master Control, news, postproduction, and more. The GLIM playback experience is vastly superior to remote and virtual desktop techniques, and GLIM saves remote employees from wasting hours every day downloading files. If deployed in cloud compute, referencing Object based storage, significant cost saving can be saved in egress costs.

Sometimes, you're not located where your hi-res media is. Sometimes, generating proxy files can be time consuming and inefficient. Sometimes, you want to see more information about your media than a typical web-player can provide. Sound familiar? Say hello to GLIM.

GLIM is designed for media professionals, and allows you to view your hi-res media remotely in a web-browser, without generating a proxy file. GLIM leverages Telestream's award winning Media Framework to seamlessly encode media on-the-fly, and allows users all across the world to stream content. Whether your assets are located on an on-prem server, or up in cloud object storage, you can play them anywhere with GLIM.

Featuring an operator-friendly web-GUI at it's core, your video will always be front and center. Make sure your audio levels meet compliance standards with the built-in meters, and check out the timeline view with SCTE-35 markers and waveform view. Need to verify your asset is the correct format? With GLIM, it's all there at your fingertips, wherever you are.

- GLIM is a groundbreaking technology that allows users to remotely play mezzanine/professional grade media files in a web browser
- The GLIM engine is built upon our Switch playback and inspection technology, and will allow for remote playback of any container/codec/resolution/fps/audio channel/color space combination in a web browser (Windows or Mac OS and Google Chrome v80+)



How Does GLIM Work?

GLIM runs as a server application, located as close to your content's location. It'll start dynamically encoding the content whenever a remote user hits the "Play" button and stop whenever they stop. Playback quality and bitrate is user configurable, to ensure a seamless experience for remote viewers.

Deployment Types

GLIM is a Windows Server application, that can run on COTS hardware, Cloud based compute or Telestream's dedicated hardware platform "GLIM Appliance (Gen2)". When utilizing the GLIM appliance, this will enable up to 15 concurrent sessions, utilizing the onboard Dual GPU's, compared to 5 con-current sessions when utilizing COTs hardware with CPU only compute.

- **The Telestream GLIM Appliance** is an efficient 1U server (utilizing onboard GPU acceleration), enabling up to 15 concurrent remote playback sessions.
- **You can run GLIM on a standard COTS Server**, enabling up to 5 concurrent playback sessions.
- **You can Cloud deploy** on customer provisioned Cloud based compute to give you:
 - Up to 5 concurrent sessions if you utilize CPU-only instances or,
 - Up to 15 concurrent sessions if you utilize instances with Nvidia GPU Support.

Recommended Server Specification

The GLIM engine runs on Windows Server 2016 or Windows Server 2019:

- Recommended System configuration (supports playback of up to 5 HD files or two 4K files concurrently):
24+ CPU Cores (2.6 Ghz or greater), 24+ GB RAM, 1+ Gbps storage access
- Minimal System configuration (supports playback of 2 HD files concurrently):
8 CPU Cores (2.6 Ghz or greater), 16 GB RAM, 1+ Gbps storage access



Playback features

- Supports playback of any media file Switch or Vantage can play or decode
- Open and Closed file support
- Play head scrubbing and frame stepping with keyboard shortcuts (J/K/L/Space/Arrows)
- Allows for surround mixdown and surround output from multi-channel audio (5.1) source material
- Selectable audio channels: users can listen to any channel present in the source media
- Displays ancillary data from media files: timecode, closed captioning (608/708 all services)
- Image file playback/display (.dpx, .tiff, .tga, .jpg, .gif, .png, .bmp, animated gifs)
- Audio only playback (.aiff, .wav, .m4a, .mp3, .f4a, audio only .mov)
- Allows multiple sidecar caption files to be loaded and played against the source material (SCC, SRT, TTML, VTT)
- Sidecar audio support – Allows you to load a media file with separate audio and play it back in sync with the video
- User video quality selection: each user dictates the quality of media they are delivered
- Enhanced Nielsen Audio Watermark support improvements in performance when detecting Nielsen watermarking in audio streams
- Cloud Object Storage Support with support for AWS S3, S3 compatible, Google GCP and Microsoft Azure Storage.

GLIM Architecture

GLIM has been designed and engineered to playback high resolution and high bit rate media files over very bandwidth constrained internet connections (example: working from home while connected to corporate VPN).

The GLIM client side bandwidth requirements are configurable (2-8mbps commonly used).

GLIM leverages proven standard technologies to display media in a browser that requires no additional software to be installed by the client:

- The GLIM engine can be configured to leverage HTTP or more secure HTTPS protocols (operates on port 5000/5001 by default)
- GLIM supports multiple user authentication schemes including Windows Active Directory
- The GLIM engine allows limiting the access to predefined browsable directories

Plugin Architecture

The GLIM engine contains a plugin architecture to interact with Vantage and other third party systems via web service (REST) calls:

- GLIM ships with sample plugins to submit media files and variable transmission to existing Vantage systems
- Allows the sharing of media file playback links (with UI configurable in/out points) with other users in your organization
- Allows for high resolution images of the source media to be downloaded and shared

New in GLIM 2

- Completely re-designed user interface, putting the video front and center to the user experience.
- New Zoomable Mini-Time line, with selectable overlays (GOP / SCTE 35/104 & Neilson watermarking)
- Native Clip Link capabilities, enabling users to easily select in-point and out-points to send clips to other users.
- Implementation of “Clips” pane for Live Edit capability.
- Enhanced Keyboard Shortcuts
- Technology Preview of Luma Scope, Vector Scope, and RGB Parade.
- Includes Silver Grade Enterprise Support

