

CasparCG in Broadcast

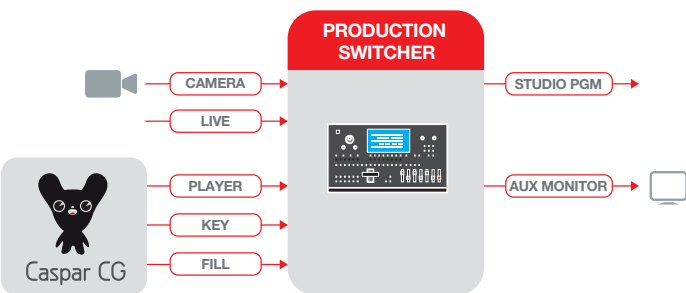
White Paper



Since 2006, CasparCG has been used by broadcasters all over the world. Originally designed as a graphics generator, its features have made it suitable for master control playout as well. As an overview, CasparCG features SDI live inputs, a clip player, DVE, and HTML5 graphical overlay.

STUDIO

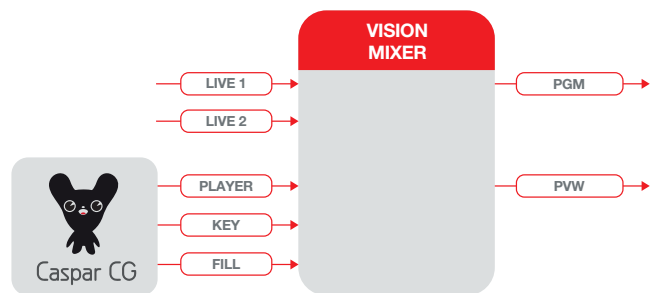
In the studio, CasparCG is most commonly used as a clip player and graphics generator connected to upstream key inputs of the production switcher. It can play story packages, lower-thirds, video for voice-overs etc. It's often used to send video & graphics to on-set monitors and monitor walls.



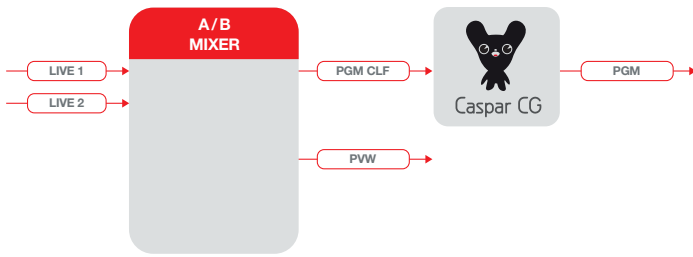
Example 1: Connecting to Production Switcher

MASTER PLAYOUT

CasparCG can be used as an integrated channel playout device. With live inputs, it can produce A/B mixing, clip playout, as well as handle graphic overlays, crawls and station logos. Multiple languages are supported. Its DVE can be used for side-by-side or L-shaped windows.



Example 2: Player and Upstream key



Example 3: GFX Overlay Downstream
Used for logo insertion or a crawl/ticker



Example 4: Integrated Channel Playback
Full channel capability including live inputs, clip players, and graphics overlay

QUALITY CONTROL

CasparCG is also suitable for high-resolution preview of media assets prior to airing.

HOW DOES AVECO HELP TO INTEGRATE CASPARCG INTO YOUR WORKFLOW?

Aveco has in-depth experience in integrating CasparCG with our other solutions to streamline the production.

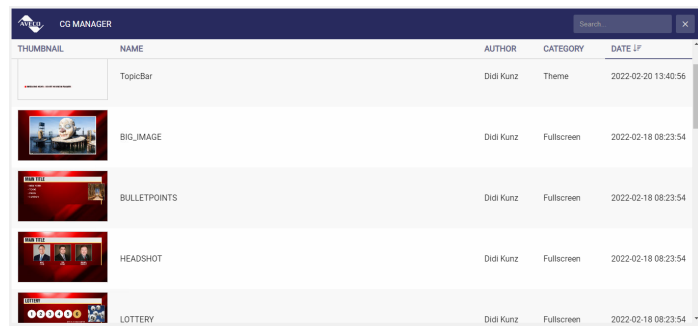


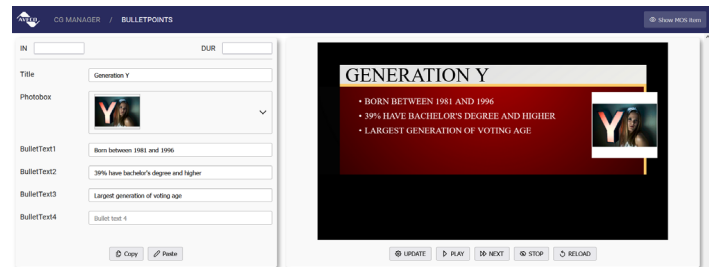
Figure 1 - CGmanager HTML5 NRCS plug-in to select and preview graphics templates and populate their associated textual fields.

In the studio, CasparCG smoothly integrates into the production workflow under AVECO orchestration as a video server and graphics solution. Aveco provides production automation of all studio equipment and software, including graphics templates and control, NRCS plug-ins, production switcher control, camera robotics control, audio-and-lighting control etc.



In master control playback, CasparCG can be used as a video server, graphics unit, or all-in-one solution running as backup to major channels or primary-and-backup for simpler channels.

CasparCG is well-suited for regional ad-insertion, graphics, branding, and channel playback. CasparCG is suitable for our award-winning sports sponsorship solution (AdJuggler). Aveco also brings VANC pass-through capability and closed caption insertion with CasparCG.



In closing, CasparCG is a handy tool that has been proven over time, used by premium broadcasters. Plus it naturally integrates into the AVECO Astra suite of tools.