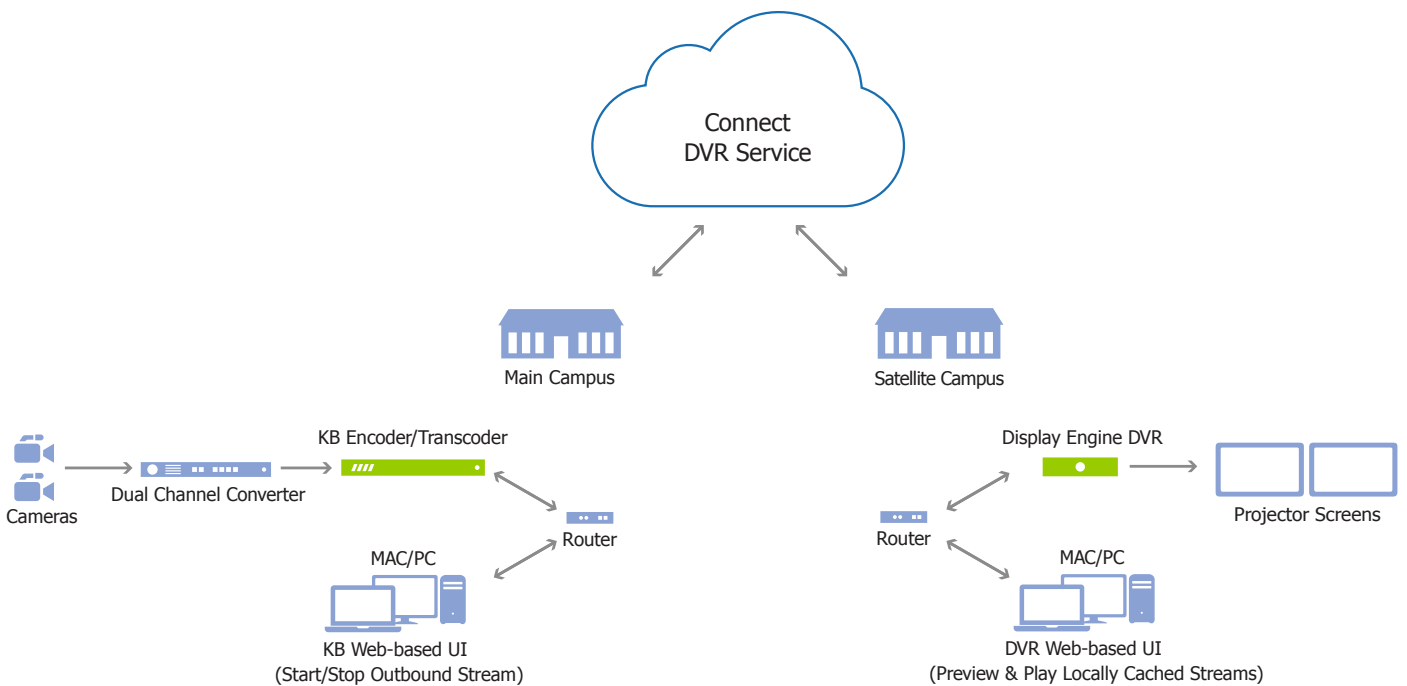


## Enterprise Video Solution

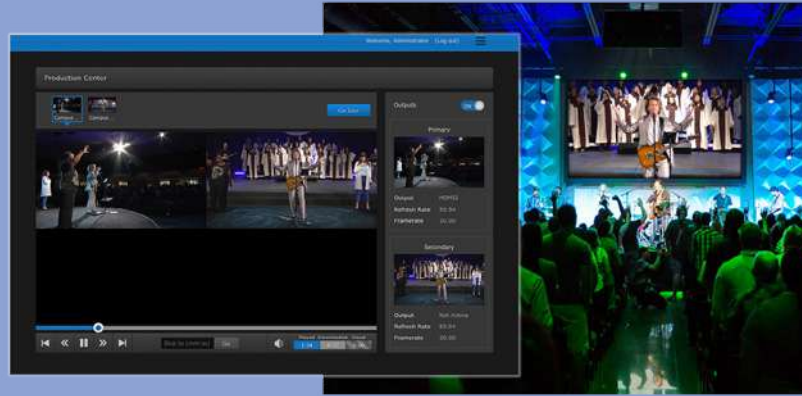
This is a cloud-based service that connects multi-site ministries with time-shifted video playback to ensure the inspirational experience of your main campus is shared with consistency at remote or temporary locations worldwide. Using low-cost Internet connections, this end-to-end solution includes everything from the source encoder to the dedicated playout appliances.



## Challenge

The customer contacted \*instinctools while looking for a contractor to help them implement several new features on their platform. The main challenge for our team was to implement:

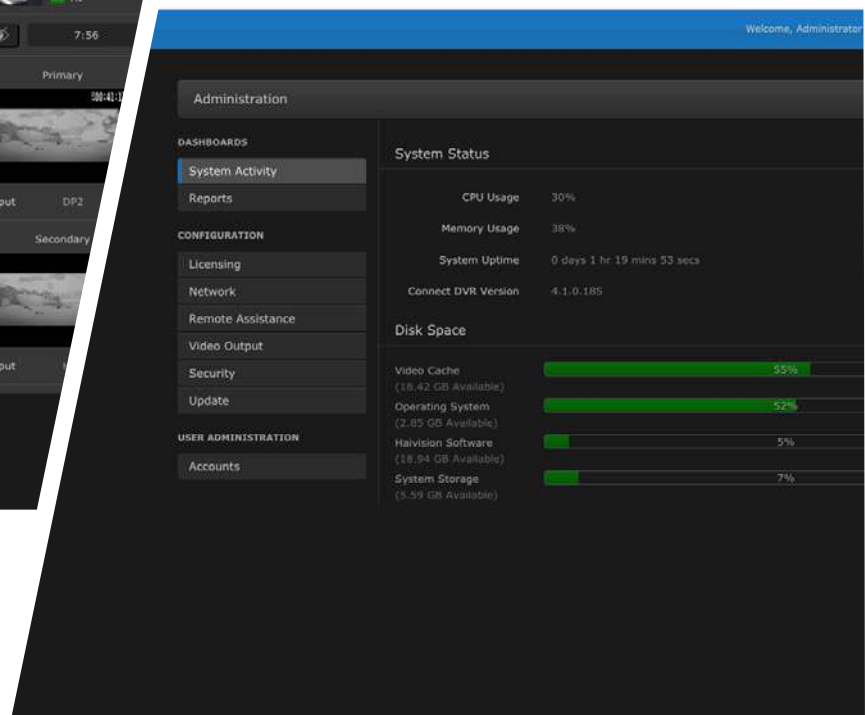
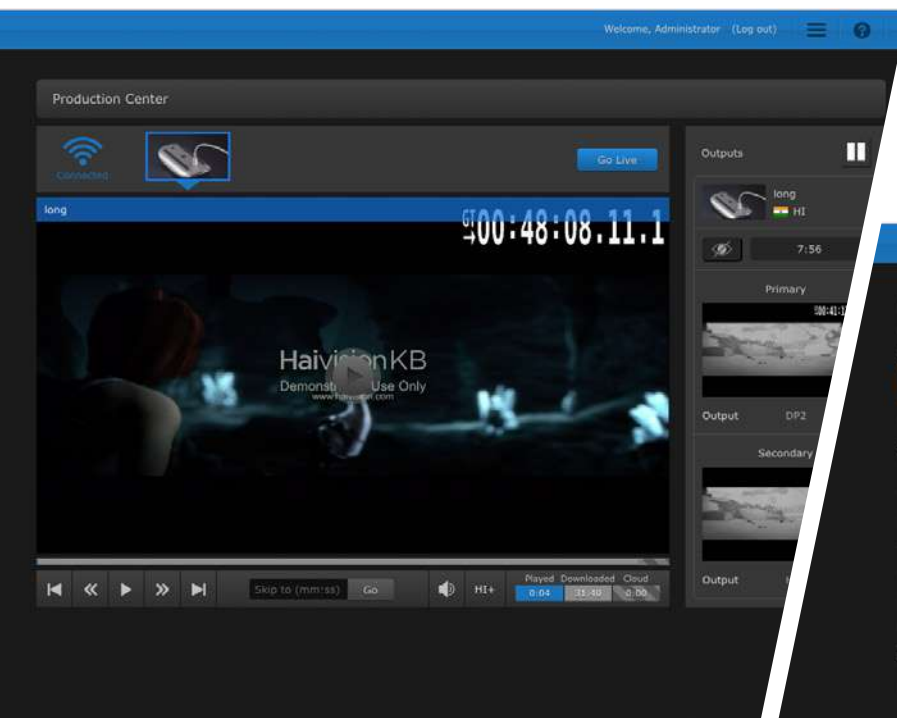
- ☆ New UI
- ☆ A caching feature to increase the quality over the public Internet.



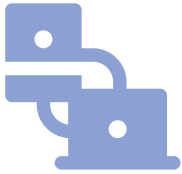
## Solution

We have:

- ★ Integrated Haivision's high-quality KB encoder, Akamai's industry-leading Content Delivery Network (CDN), and the compact and powerful Display Engine DVR remote appliances.
- ★ Integrated KB Internet media encoder and local caching.
- ★ Provided synchronized dual video streams.
- ★ Implemented new UI.
- ★ Developed a caching function to increase public Internet quality.



## Key Features



### End-to-End Simplicity

- The solution integrates customer's high-quality KB encoder, Akamai's industry-leading CDN (Content Delivery Network), and the compact and powerful Display Engine DVR remote appliances;
- Staff and volunteers can easily connect to preview, play, and share inspirational messages from the main campus at remote locations.



### The Highest Quality of Public Internet

- Delivery of the highest quality HD experience to remote campuses.
- Using low-cost Internet connections allows the distribution of streams, without sacrificing quality.
- Low-cost Internet connections help save time and money.
- Local caching makes sure new content is safe.



### Complete Control, with Flexibility

- Haivision Connect DVR gives remote campuses control and flexibility.
- Remote campuses can preserve either the full stage and IMAG camera angles or the presenter and presentation, from the main campus.

## Technologies Used

Frontend:

Backbone.js  
hls.js

Backend:

Node.js  
HLS  
HDMI / DisplayPort  
FFmpeg/mpv  
Video streaming



HLS

