Streambox®

Solutions for AWS Media Services



KEY FEATURES

Streambox AWS SaaS Components

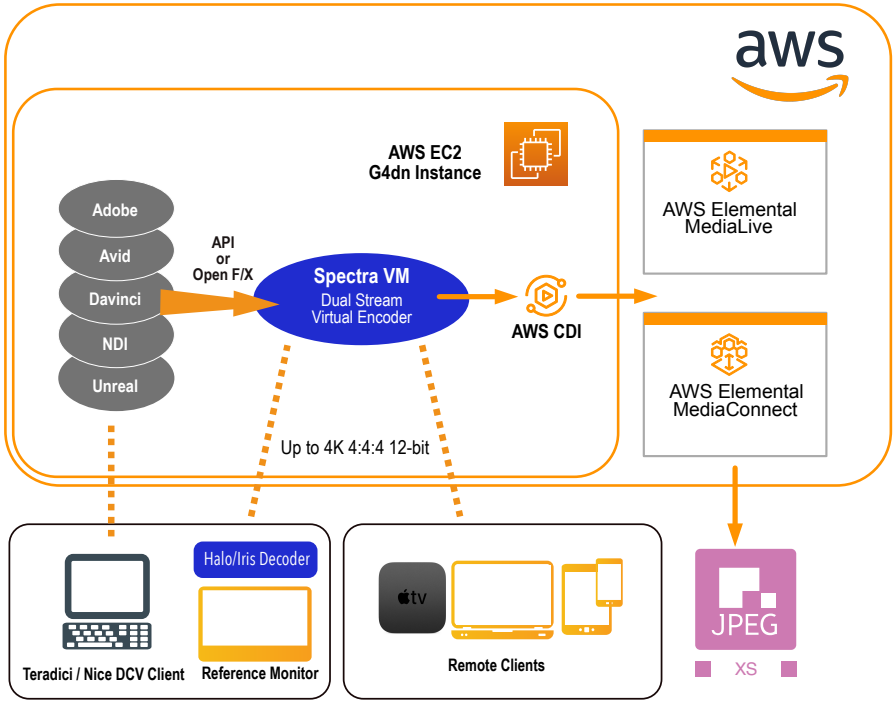
Streambox provides two powerful applications for AWS: Spectra VM, an encoder for AWS-deployed creative apps; Bridge for CDI, a multichannel encoder/decoder for managing and routing CDI streams.

- Very Low Latency < 70ms
- Up to 4K 4:4:4 12-bit & 60fps
- Reliable, Encrypted Transport
- Up to 16 independent signal paths
- Up to 16-ch audio for each video stream
- Super Efficient encoding means no need for expensive fiber connections


Spectra VM
Virtual Encoder
Multi-Stream
3D LUTs

Empower SaaS Creative Apps

Full Resolution Reference Monitoring

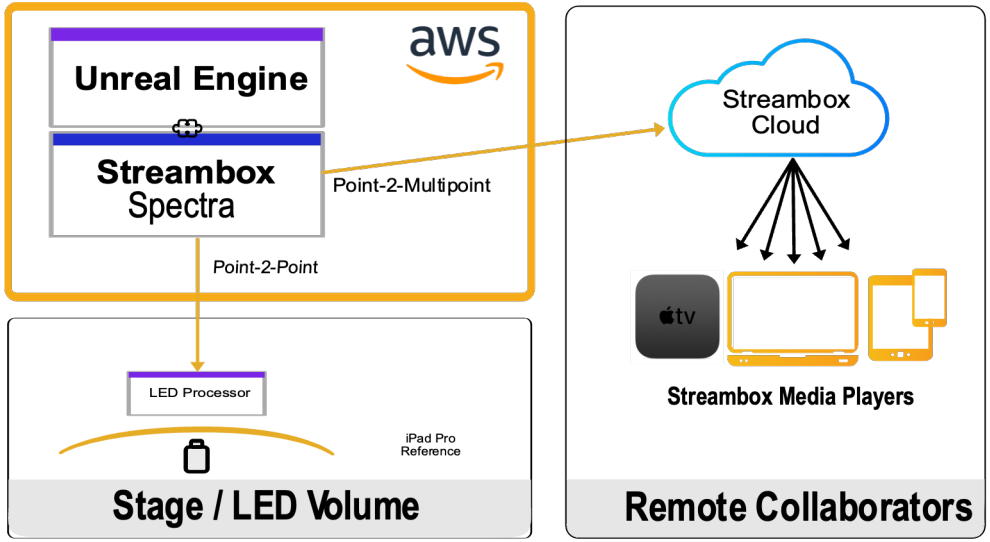


Many AWS-deployed creatives app can not output CDI. In those cases, Spectra VM integrates with them via a native API - Avid Media Composer, Adobe Premier, Unreal Engine - or via OpenF/X in the case of Blackmagic DaVinci. It will also accept NDI 5 streams.

Spectra VM provides three outputs: one to AWS CDI, which then feed AWS MediaLive & MediaConnect; one reference quality feed back to the creative; one reference quality feed to Streambox cloud to support multi-client review sessions.

Virtual Production

On set monitoring and remote reviews



Unreal Engine can be deployed on an AWS EC2 instance and take advantage of scalable rendering resources.

Spectra VM provides a low latency, color accurate signal to the LED Processor, at up to 4K 4:4:4 12-bit.

A second output provides a reference signal to any number of remote collaborators

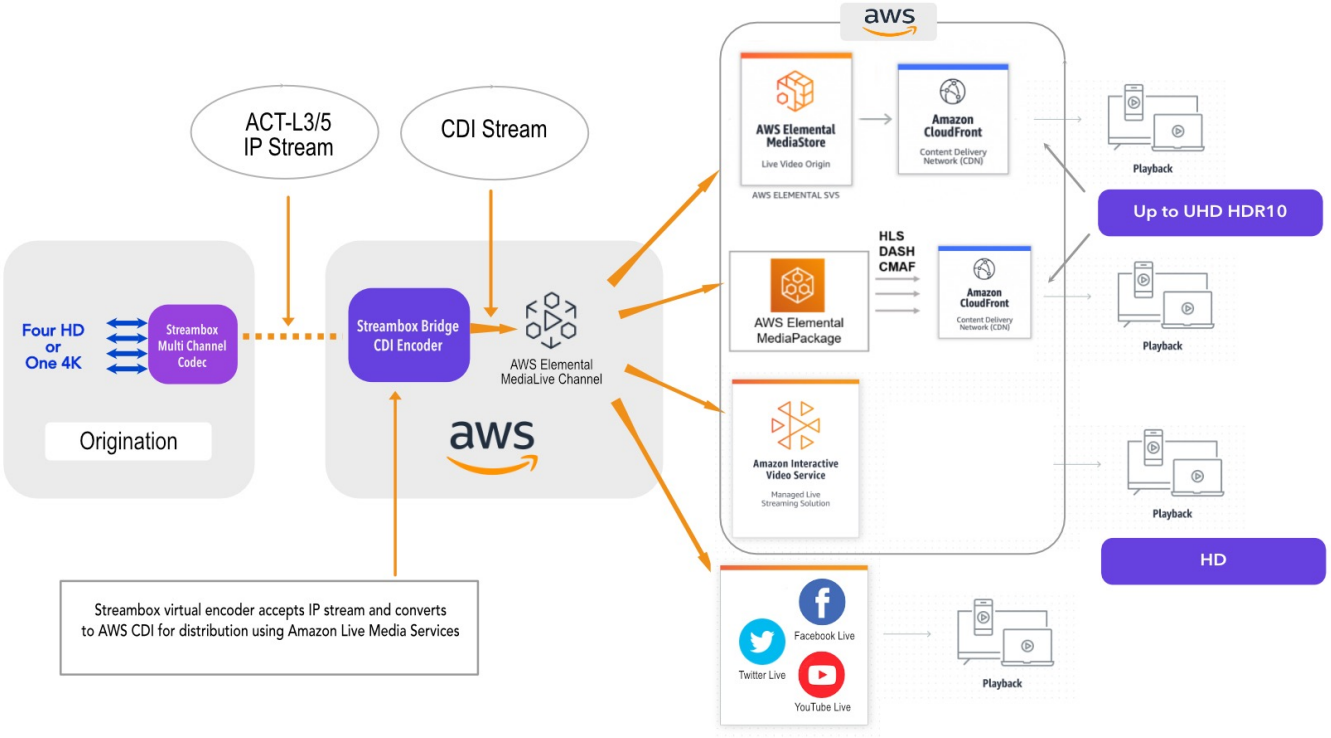
Bridge for AWS CDI

CDI to Video

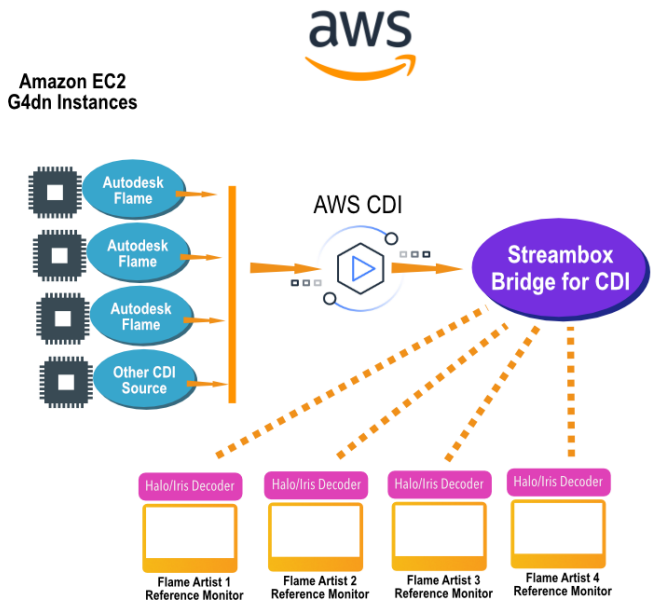
Video to CDI

Up to 16 channels

Bridge Between Live Videos Sources & CDI applications

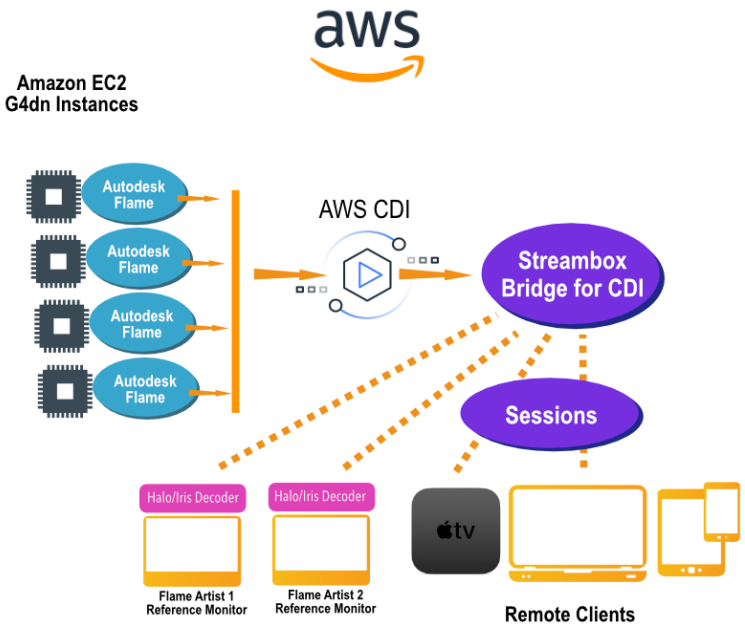


Reference Monitoring from CDI Applications



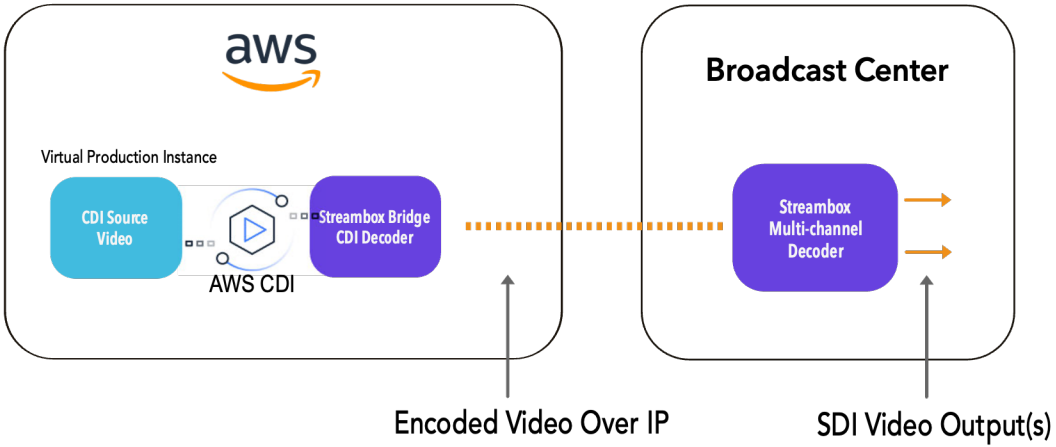
Streambox Bridge for AWS is an ideal solution for multiple seats of Flame. It supports up to 16 encoder channels that can be dynamically shared between any number of Flame instances.

Remote Collaboration with CDI Applications



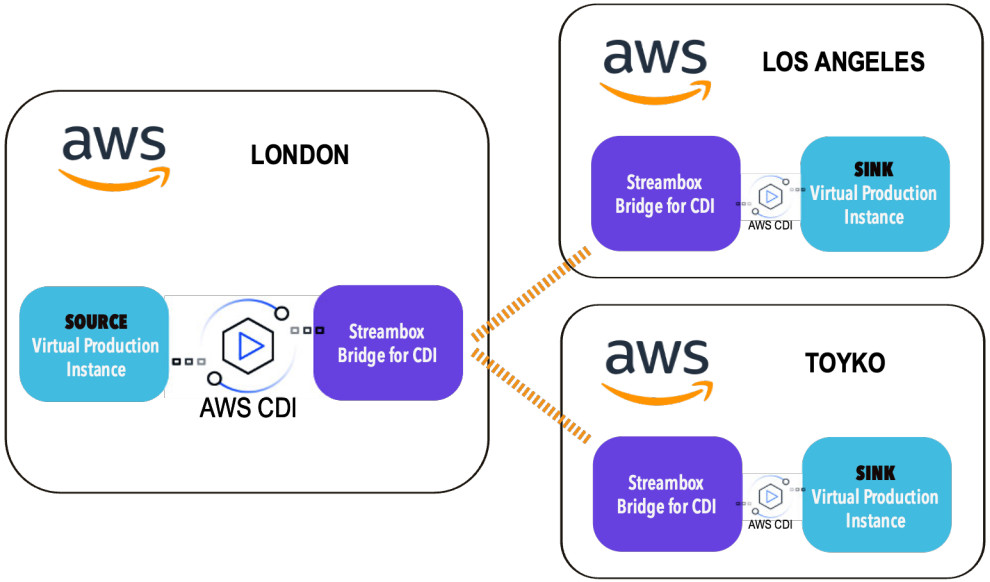
Each output can have a different destination, so you can direct one or more streams to Streambox Sessions and connect with remote reviewers/collaborators while maintaining a reference feed to the artist(s).

Live Remote Production



Simplify remote production by using a multi-channel Streambox Bridge. Connect to the live video feed(s) over CDI, encode and encrypt, and send over IP to the broadcast facility. all while maintaining the highest signal quality and transport reliability. Once again, since you can have multiple outputs, you can even send to multiple facilities without rerouting the signal.

Air Gapped Workflows for Remote Production



Inter AWS Zone/VPC CDI video transport

Point-to-Point and Point-to-Multipoint
One CDI in to Many CDI out between AWS zones or Virtual Private Cloud

SUMMARY

Building Blocks for AWS

Streambox SaaS apps for AWS & AWS CDI are essential components for virtually every cloud-based workflow, with flexible deployment models and dynamically configurable formats.

- Optimized for AWS environments
- Very Low Latency < 70ms
- Peerless Signal Quality up to 4K 4:4:4
- Reliable, Encrypted Transport
- Budget-friendly Licensing Model
- Works with all major creative apps
- Easy Deployment
- Supports air-gapped workflows


STREAM ON