

Customizable operation at conferencing venues and auditoriums powered by EVS and Barco



Quick insight

With the integration of Barco's E2 presentation system in EVS' Cerebrum, you can:

- Operate an entire auditorium or conferencing venue via a single application on multiple clients
- Customize your interfaces to represent the ProAV installation at a certain facility or venue
- Control sources and screens of an E2 presentation system
- Make use of a full featured router control system during key-notes and large presentations

Introduction

If there is one area where AV installations are becoming increasingly professional, sizable and complex, it is in auditoriums and conferencing venues. Where previously an intercom system and a simple webcam sufficed, currently venues are equipped with multiple professional PTZ cameras, automated video switchers, live-streaming services, and large high bandwidth networks to facilitate all the AVoIP signals. All this equipment comes from various vendors and so interoperability has become a big challenge. Since none of these devices use the same application for configuration and control, operating these venues has become more and more complex.



EVS Cerebrum and Barco E2

Having an umbrella system that takes care of all monitoring and control in a certain facility is very common in the broadcast industry. Control systems like EVS' Cerebrum know how to communicate with all common and uncommon broadcast devices by implementing the various native device protocols and APIs. This way, operators don't have to continuously switch between various applications to change configurations or perform certain actions. Barco and EVS have invested in increasing their interoperability to grant conferencing venues and large auditoriums the same advantages: allowing operators and end users to control the sources and screens of an E2 presentation system via one application, represented in graphical user interfaces which are completely customized to the venue.

Cerebrum can fully control the operational side of Barco's E2 presentation screen management system. E2 presentation systems provide superior image quality and exceptional input and output density. Supporting native 4K input and output, it was the first screen management system to manage 4K projector blends with refresh rates up to 60Hz with full 4:4:4 color sampling, 12bit processing, HDR and HDCP compliant. Multiple E2s can be linked together to process extremely large pixel canvases supporting the largest displays available. A single box offers eight mixable PGM outputs and four scaled Aux outputs for full show management.

The perfect combination



EVS Cerebrum

- Broadcast and ProAV control and monitoring system with fully customizable graphical user interfaces
- Fully featured routing and control of both Baseband as well as AVoIP sources and devices
- Compatible with most professional AV equipment thanks to 200+ integrated APIs and protocols
- Allows interoperability between devices of different manufactures



Barco E2

- Live screen management system
- Exceptional input and output density
- Support for native 4K in- and outputs
- Manage 4K projector blends with refresh rates up to 60Hz
- Eight mixable PGM outputs and four scaled Aux outputs in a single box

Fully customizable operation

As a complete control and monitoring system, Cerebrum gives you control over your most critical ProAV operations. Accessible via one application, the system's powerful and highly customizable interfaces allow you to control, configure and monitor any ProAV environment the way you want. Cerebrum is designed to be robust in both small to large infrastructures and adapted for baseband and AVoIP, offering you a scalable solution that is ready for today's and tomorrow's operations. to create replays and highlights in the exact same way as when they would be working from an operator position inside the OB truck or at the production site.

While the E2 system comes with a straightforward interface, Barco also allows E2 control by third party systems via an API. With the help of Barco, EVS implemented the E2 system API in Cerebrum, allowing operators to feed AVoIP signals into the E2 system without too much complexity. Using the feature-rich capabilities of handling both IP as well as baseband

(SDI) environments and devices, routing all your sources and destinations to and from the E2 system has become very easy. By adding EVS Neuron Bridge gateways you can even add baseband feeds to your AVoIP resources by converting 32 SDI channels to 32 ST2110 or ST2022 AVoIP streams in real time with low latency.

Routing is not the only advantage you get from Cerebrum. Because of the long list of implemented APIs and protocols, you can manage camera switching, camera PTZ, streaming, in-venue composition, intercom, audio mixing, lighting control and much more using the same application. You can even combine all that control into a single graphical user interface to operate the entire venue from a single touchscreen.

Barco and EVS both have a history of enabling new technologies when it matures for ProAV applications, and both are committed to ensure interoperability for future systems and devices as well.



Interface example: In this interface you can control the inputs and outputs of the E2 system (which screen should show which source) as well as controlling intercom, PTZ camera's, lighting equipment, audio mixers, presentations and launching salvos and macros.

TO LEARN MORE ABOUT CEREBRUM
CLICK THE BUTTON OR SCAN THE QR CODE

Cerebrum webpage





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