

# Broadcast

The broadcast industry is changing in radical new ways. Enter the door of the future, redefine the way your users work and how your technologies are implemented.

Black Box high-performance KVM solutions support the latest industry trends like the shift to IP, virtualization, PCoIP Ultra, Cloud services, and productions with reduced (onsite) teams backed up by remote control rooms and users. In addition, they can bridge legacy with new technology to protect your investments.

Black Box has been helping Broadcasters all over the world implement new workflow and secure control room solutions. Benefit from our experience and thought leadership.

## Solutions



KVM Matrix Switching  
and Extension



Simplified User  
Experience



Video Wall  
Controllers



AV and  
Room Control

## Customer Use Case: FOX

Since the COVID pandemic broke out, nothing was the same again. Events such as NASCAR 2020, which was run by FOX Sports, had to rearrange multiple roles to even take place. The usual team of 150 people was limited to 50 overall, which led to specific problems.

FOX reached out to Black Box for a bandwidth-efficient IP-based solution for broadcast video and control signals via the public internet.

Black Box provided FOX Sports with the Emerald PE to extend video, transparent USB 2.0 and audio signals over the internet and with lossless video frame compression. Furthermore, the KVM system enables remote control of replay and graphics systems.

The project optimized broadcasting with a flawless workflow.

## Featured Products



### Emerald KVM over IP

Serves as an infinitely scalable universal access system, giving users the flexibility to connect to physical and virtual machines, along with anywhere, anytime IP access using extremely low bandwidth. Full 4K/HD video interoperability, 1-touch control room setups, and a high degree of automation through Emerald's APIs, gives users valuable flexibility and ease of use.



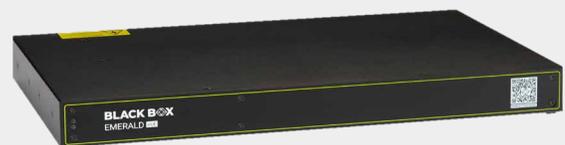
### Control Bridge

Easily connect and control everything in your control room including room conditions through one platform. Or change your complete control room setup with just one click. Simplify workflows with configurations custom-made for you.



### Emerald GE Gateway

This IP-Gateway facilitates collaboration allowing up to eight users seamless access to the same virtual machine over PCoIP, PCoIP ultra, or RDP.



### Emerald Multiviewer

Redefine the way your users work by providing seamless access to up to 16 physical or virtual systems and monitoring them simultaneously in any size and arrangement on multiple 4K/5K screens.



### KVM Extenders

Get reliable remote access to critical IT assets in your production environment with our broad range of KVM extenders.



### Next-Generation AV over IP: MCX

Distribute AV content with no source-to-display latency over IP. Combine the contents of multiple sources and display them on limitless screens, or create a video wall tailored to your needs.