



Taking Advantage of KVM Technology in Broadcast

What is KVM Technology?

KVM (keyboard, video and mouse) technology has a big impact on the post-production and editing community because it allows users to access remote resources and share high-end equipment. This means you can remove expensive servers from editing suites and place them within your secure data centre - yet still provide an 'at the desk' experience.

What Black Box Offers

Black Box provides multiple high-end KVM solutions that address the common issues experienced within the industry. We utilize both IP- and non-IP-based extension and switching technology to provide maximum availability to all users.

Our technology allows the extension and switching of pixel-perfect video up to 4096 x 2160 at 60 Hz DCI, transparent USB and audio. Editors can switch between servers and connected devices within milliseconds. Designed with the needs of broadcasters in mind, our KVM equipment supports all major industry technology, including Avid, Pro Tools, Maestro, DaVinci Resolve, Baselight, Wacom, Smoke, Logic Pro, Adobe Premiere Pro, Final Cut Pro and all server-based DAW systems.

Now all your equipment can reside in a remote, secure equipment room, providing editors, colourists and producers with a much cleaner workspace in the studio – without compromising performance. To learn more about our broadcast KVM solutions, visit black-box.eu/broadcast.

Use Case

Brian Andrews, technical application engineer at Black Box UK, recently consulted a university in London that runs ten studios. Initially, each of these studios hosted a Pro Tools, a DaVinci and an Adobe Premiere Pro video workstation. The university wanted to change this because the studios were noisy, crowded and the financial outlay was very high (considering these workstations were unlikely to be used simultaneously).

By deploying a Black Box KVM solution, all of the workstations could be removed from the studios, leaving only the monitors, keyboard, mouse, Wacom tablets and speakers in the room. As a result, background noise was reduced to zero, computers are protected from damage and all critical processors are hosted in an environmentally controlled room that will help expand their lifetime.

The university was also able to open up more studios without having to purchase additional servers. An additional room with monitors, keyboard, mouse, speakers and a Wacom tablet was all that was required to scale production capabilities.

Request a free consultation with one of our KVM experts today by filling out the form at black-box.eu/consultation.

Application Diagram: KVM Extension in a Studio Environment

