Two Ice Arenas Score Big with MuxLab AV over IP Solutions

Success Story

MuxLab KVM IP Extenders Deliver Flawless Content to Scoreboards

The Port Coquitlam Community Centre in Port Coquitlam, British Columbia, Canada hosts sporting events and provides fitness and recreation services plus facilities to the community in a rapidly expanding 205,000 square foot property. Divided into multi-functional spaces, the Centre offers two new ice rinks that host on-ice and dry arena sporting events for the community. The rinks can also be rented out for skating parties, host hockey lessons and other events. Once constructed, the sizable ice rinks awaited a state-of-the-art method of delivering AV to the video wall scoreboards. Responding to the RFP was Steve Klassen of Sapphire Sound, an integrator who specializes in mid-size arena installations and various scoreboard projects.

"The objective was to give control of two computers that drive large video wall scoreboards in two different ice rinks in the Community Centre," said Klassen. *"Now there was a bit of a challenge preceding me because originally the consultant working on the project had recommended an HDbaseT solution."* This solution from another manufacturer was actually installed, but due to the way the electrical conduits were run, the cabling lengths required to reach the video walls far exceeded the limits of the HdBaseT solution.

Klassen instead recommended MuxLab's HDMI KVM over IP PoE (model 500770) transmitters and receivers, delivering HDMI and USB for keyboard and mouse nearly any distance when riding on an Ethernet LAN. Video is delivered at 1920×1200 and 1080p@60Hz resolutions. Both transmitters and receivers can be added to upscale (or down-scale) as needed, connecting computers and remote displays to an Ethernet Switch from up to 100m away using standard CAT 5e cable. Once connected, signal delivery is instantaneous. Computer content is transmitted from computers to one or many displays for flawless video wall applications. With this system, one receiver can be switched via hotkey sequences to any transmitter on the network, allowing a single operator to manage multiple workstations. Each receiver also provides a four-port USB hub for connecting a keyboard, mouse, printer, drawing pad, storage device, camera, etc. When PoE is enabled on the Ethernet Switch, power supplies are eliminated for both transmitters and receivers.

"The MuxLab equipment functions flawlessly and gives the end user full control of computers that are locked away in an electrical room," added Klassen. *"The Community Centre is very happy with the system and is planning on installing the same MuxLab equipment in an additional two rinks that will be completed next year."*

About MuxLab: MuxLab is a leading designer of value-added connectivity solutions for the pro AV and broadcast markets. Since 1984, MuxLab has supported its main mission to provide customers with innovative, dependable and industry leading designs that are engineered in Canada. A forerunner of the AV over IP evolution, MuxLab continues to deliver comprehensive, game changing IP-enabled systems for both commercial and residential installations of all shapes and sizes.

About Sapphire Sound: Sapphire Sound provides state-of-the-art audio and visual services to professional and commercial clients across Canada. Specializing in integrated sound, video and multimedia systems, Sapphire Sound has become a trusted source for clients seeking exceptional performance and complete reliability. With expertise in a wide spectrum of technologies, we work closely with our clients to provide creative solutions for venues of all sizes. From small acoustic stages to full-size sporting arenas, our custom designs provide an audience experience that is second to none.

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