ATEN
Simply Better Connections

Media Creation
By ATEN 4K Desktop KVM Switch Solutions

Broadcasting & Media

Case Study

Flying Samurai Productions

Australia

About Flying Samurai Productions

Flying Samurai Productions is a media creation company located in the state of Victoria in Australia. The owner, Bernie Lademann, started the business in 2003 when he created 3D animation effects for TV stations across the state. The work rapidly evolved and now consists of full 3D character animations for local TV stations all over Australia.

Requirements

- Meet increasing client expectations for transition from HD video to 4K

- To work seamlessly on multiple projects at the same time with applications designed to fully utilise multiple monitors simultaneously

- Support for fast switching between custom workspaces in a dual OS, dual-4K-monitor setup

- High data throughput to deal with accessing and working on large files

Bernie is responsible for end-to-end delivery of video footage. For 3D animation, this includes 3D model construction, character rigging, texturing, lighting and camera animation, followed by rendering and then final compositing. For the videography, this means setting up camera equipment, filming, editing and final production to DVD, Blu-ray or digital media distribution. Since he started in 2003, production demands have also evolved as he has had to adapt to ever-increasing client expectations. Originally working in 720x576 pixel (SD) footage, now Bernie is regularly working with 3840x2160 (UHD) footage.
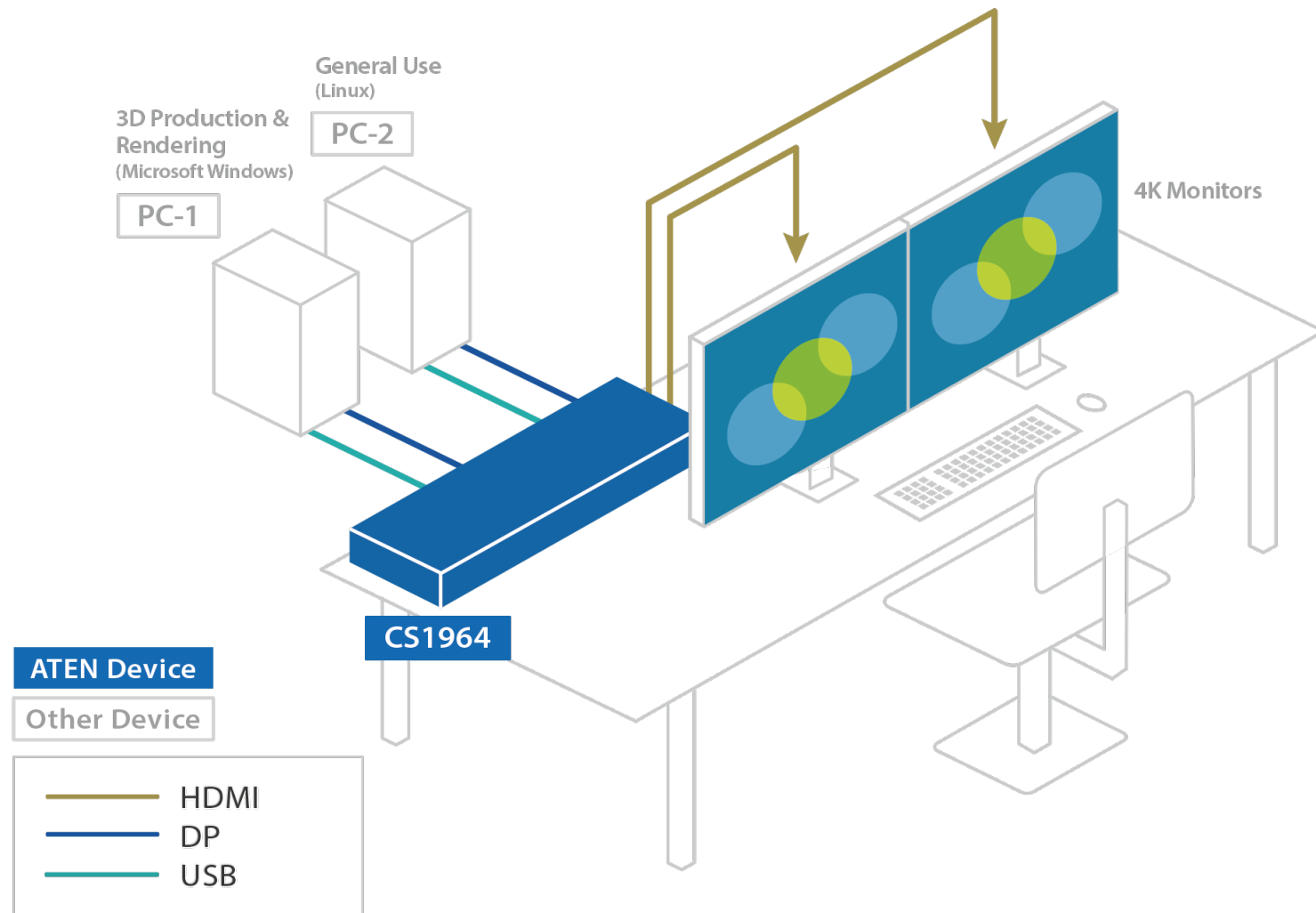
Quote

- CS1964 supports up to three 4K displays

- CS1964 can switch between Windows and Linux and even BIOS screens

- Video DynaSync™ function maintains each monitor's EDID internally ensuring the correct output resolution when switching between PCs

- CS1964 effortlessly keeps sync with the PCs, passing 4K content from the video card at 60Hz at the required colour depth

To work efficiently, Bernie does most of his day-to-day production work on two PCs connected via an ATEN CS1964 USB 3.0 4K DisplayPort Triple Display KVMP™ Switch to two 4K HDR monitors on his desk. In his business, accurate colour reproduction is a critical criterion for product delivery. Colours have to match customer supplied artwork, or corporate styling. One of the PCs has 3 GPUs installed and is the PC that Bernie uses for the main 3D production work, modelling, simulations and then rendering (on the 3 GPUs). The other PC is used for document creation, storyboards, artwork preparation, correspondence and general office work. All of these activities can be done without impacting the performance of the rendering machine.

"I've used ATEN KVM switches since I first started my 3D animation and video production business. In fact, I only recently had to upgrade from a very reliable CS1642 to the new CS1964 in order to work with 4K video outputs to meet my client's demands."

Connection Diagram

3D Production & Rendering (Microsoft Windows)

PC-1

General Use (Linux)

PC-2

4K Monitors

CS1964

ATEN Device

Other Device

HDMI
DP
USB

Products

CS1964

4-Port USB 3.0 4K DisplayPort Triple Display KVMP™ Switch

- Superior video quality – 4096 x 2160 @ 60Hz and 3840 x 2160 @ 60Hz; 2-Port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Hex-Display – connect a second CS1964 unit for two triple-display setup controlled by one operator
- Supports Video DynaSync™
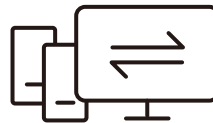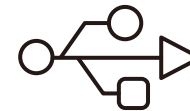- Computer selection via pushbuttons, hotkeys, mouse, and RS-232 commands

4K
Visual Clarity (DCI)

Triple Display

Video DynaSync™ Optimal Image Switching

2-Port USB 3.1 Gen 1 Hub

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