AVITECH'S SEQUOIA UHD INTEGRATES MULTIVIEW, KVM, AND OVER IP VIDEO & COMPUTING SOURCES. IT'S AN ALL-IN-ONE INNOVATIVE SOLUTION IN ADDRESSING VIDEO/AUDIO/COMPUTING NEEDS IN MULTI-MONITOR MULTIVIEW USER SPACE, LED AND LCD VIDEO WALL PANEL, AND UHD MULTI-TOUCH PRESENTATION AND OPERATIONS.

Sequoia UHD

The Sequoia UHD multiviewer is a 1RU chassis with various modular cards to address needs in a broad range of video/audio applications. It consists of four HDMI 1.4 (4K30) video input signals and one HDMI connector for UHD (4K30) output.

Multiple units can be cascaded for displaying more than 4 sources on one UHD monitor. There are optional KM (keyboard/mouse switcher), KVM over IP, and UHD2HD converter cards to provide solutions for a variety of applications in UHD multiview presentation, over IP KVM, and video wall display.

FEATURES

→ Four concurrent HDMI 1.4 (4K30) sources multiview with integrated optional KVM function.

→ Free adjustable windows and full screen capability for all four sources at 4K30.

→ Seamless transition of multiview displays.

→ On-screen display of source label, video window border, and intuitive graphical user interface.

→ Cascading multiple units to display 8, 12, or more HDMI images concurrently on a single UHD monitor with optional integration of KM switching.

→ Supports SDI (3G, HD, and SD) input model to cascade with HDMI model.

→ Network messaging utility facilitates user collaboration.

→ KVM over IP option provides visually lossless and low latency (15ms) image display.

→ Optional KM module supports audio mixer for HDMI embedded and analog sources.

→ UHD video wall processing with over IP sources; optional UHD2HD converter supports HD video walls.

KEYBOARD/MOUSE SWITCHING

With the KM card, user can freely switch keyboard and mouse between 4 computers directly connected to the Sequoia UHD. While in dual monitor operation, user can use two UHD monitors for concurrent monitoring and operation of a total of 5 computers using a single set of keyboard and mouse.

CASCADE OPERATION

Sequoia UHD can be cascaded to display more than four input signals on a single monitor. Cascading can be applied to the keyboard and mouse as well. Therefore, making it possible to operate 4, 8, 12 or more input sources on a single/multiple monitors with a single set of keyboard and mouse, creating a variety of multiview solutions.

KVM Over IP

A KVM-IP card provides two HDMI sources along with USB transmitted over long distance via a LAN over gigabit switches. Two KVM-IP cards can be installed in the Sequoia UHD chassis for having up to 4 computer sources over IP. With the KVM-IP card, user can have a mix of local direct feed HDMI sources and systems afar over IP connections while operating seamlessly with a single set of keyboard and mouse.

UHD VIDEO WALL PROCESSING

With self-generated sync signal, multiple Sequoia UHD units serve the needs of UHD video wall processing employing video sources over local IP network. Each unit is capable of processing up to four UHD images. By using the UHD2HD converter module, Sequoia UHD becomes an HD video wall processor. The UHD2HD shares the same slot with the KM module.

SPECIFICATIONS

FRONT PANEL	Output	1 × LED (Lights green when the Sequoia UHD is powered on)
REAR PANEL		
SUHD-MB Card (UHD multiview processing module)	Input	1 × RJ-45 (Ethernet) 4 × HDMI 1.4; HDCP-compliant 1 × USB-B (2.0; keyboard/mouse operation) 2 × USB-A (2.0; HID connection) 1 × Mini phone jack (line in analog stereo and mic mono audio)
	Output	1 × HDMI 1.4; HDCP-compliant Resolution up to 4K (UHD) at 25/30 Hz or 1080p (HD 1080) at 50/60 Hz or user define up to 297 MHz (pixel clock)
SUHD-KM Card (Mouse/Keyboard connection + audio mixer)	Input	4 × USB-B (2.0; keyboard/mouse connection) 1 × USB-B (2.0; cascading keyboard/mouse operation) 4 × Mini phone jack (line in analog stereo and mic mono audio) 1 × Mini phone jack (mic mono audio) 1 × Mini phone jack (analog stereo cascade audio)
	Output	1 × Mini phone jack (stereo analog audio, headphone) 1 × Mini phone jack (cascade audio)
SUHD-IP Card (KVM Over IP)	Input	2 × RJ-45 (Ethernet)
	Output	2 x HDMI 1.4; HDCP-compliant
COMPUTER CONNECTIONS		Max. 5 units
OPERATING SYSTEM COMPATIBILITY	Windows	Microsoft Windows 98 Special Edition / 2000 Professional / XP / Vista Server 2003 / Server 2008 / Windows 7 / Windows 8 / Windows 10 NOTE: Windows NT is not supported.
	Mac	Mac OS: O/S X 10.5 or later version only
	Linux	Linux OS: Fedora 10, Ubuntu 8.1, Scientific 5.2, RedHat, Mint 6.0, Debian 5.0, PC Linux OS 2009, SUSE 11.1, Mandriva 2009, CentOS 5.2
PORT SWITCHING METHOD		Keyboard or mouse combination hotkeys OSD (pop-up menu)
POWER SUPPLY (AC/DC redundant)		AC 100-240V 50/60 Hz DC 12V/9A adapter
POWER CONSUMPTION		Max. 54 Watt
DIMENSION (L×W×H)		15.51 x 17.28 x 1.75 inch (39.40 x 43.90 x 4.44 cm)
WEIGHT (MB card + KM card + 2 x IP cards)		10.36 lb (4.70 kg)
TEMPERATURE		Operation: 0°C (32°F) to 40°C (104°F) Storage: -10°C (14°F) to 50°C (122°F)
HUMIDITY		0% to 80% relative, non-condensing
SAFETY REGULATIONS		FCC, CE, C-Tick, Class A

Sequoia UHD Front

Sequoia UHD Rear
(with KM and IP optional cards)

Multiviewers | **KVM over IP Solutions** | **Wall Processors** | **Converters** | **Extenders** | **HDMI/SDI/KVM Switchers**

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