



FEATURES (Rainier Summit-2)

- Modular 2RU chassis houses up to 6 independent multiviewer cards
- Hot-swappable cards support card addition and replacement with minimal downtime and operation interruption
- Internal cascade architecture allows grouping of any cards within a chassis for displaying 8, 12, 16, 20, or 24 video sources on a single screen
- Multiview outputs can be duplicated and concurrently monitored from different cards without external DA or routing cabling
- Cascading up to 25 cards from multiple Rainier Summit-2 facilitates monitoring 100 sources on one display (or duplicated to multiple displays)
- Genlock capability supports synchronizing multiviewer outputs to the reference signal
- Linear Time Code (LTC)/ Vertical Interval Time Code (VITC)/ Embedded Time Code (LTC/VITC/DVITC) display

Rainier SUMMIT

The Rainier Summit series is Avitech's newest addition of multiviewers designed to meet 4K monitoring demands. The 2RU Rainier Summit-2 with modular design accommodates up to 24 multi-rate SDI / CVBS video sources on 6 hot-swappable multiviewer cards. Each card features both HDMI and SDI outputs that can be independently configured for meeting various display and production requirements. Rainier Summit-2 offers high-resolution multiview video and on-screen graphics up to 4K30 Ultra HD (UHD) clarity while managing with complete layout flexibility.

Utilizing a high-speed built-in router, Rainier Summit-2 enables flexible switching and unlimited signal repetition across image windows of different multiviewer cards. Through internal and external cascading, it allows user to combine multiple cards for multiview monitoring up to 100 sources; ideal in building fully dynamic multiviewing systems for video production and in master control. Alternatively, the standalone Rainier Summit-S features a compact 1RU multiviewer. Retaining 4K30 UHD video quality, it is an ideal solution for small-scale monitoring applications.

SIGNAL MIX-AND-MATCH

Auto-sensing of SDI (3G/HD/SD) and CVBS (NTSC/PAL) signal sources from extensive range of AV equipment; supports any combination of source signals with various formats and timings.

MONITORING WITH 4K SHARPNESS

HDMI outputs support full range of video resolutions up to 4K UHD (3840x2160 @30) with 8-channel embedded audio.

ROUTER-INTEGRATED FLEXIBILITY

Built-in router enables flexible signal routing across multiple cards and displays. Independent of the HDMI multiview outputs, each SDI output features multiview video or any source signal routing.

STREAMLINED OPERATION

Seamless layout and system configuration through user-friendly control software; dynamic window sizing/positioning, graphic element setting, and display cascading by simple drag-and-drop on the GUI.

ON-SCREEN DISPLAY

- Label (TrueType font/UMD)
- Alarm:
 - Video loss/black/freeze detection
 - Audio loss/high/low/phase detection
 - Power/Fan failure detection
- Signal format/Active Format Description (AFD) detection
- Closed Caption (CC) detection
- Tally (up to 4 tallies per image window)
- Audio/Loudness meter
- Digital/Analog clock and user logo
- Embedded/External time code
- Safe area and aspect ratio detection
- Configurable background color

VIDEO AND AUDIO CONTROL

- Free-scaling windows (supports full-screen and PiP overlay display)
- Image cropping and panning
- Configurable preset layouts (max. 50 presets)
- Supports 16-channel SDI embedded audio; 8 channels selectable for monitoring
- Audio output includes 8-channel HDMI/16-channel SDI embedded or stereo phono jack audio output
- Adjustable audio delay (0 ~ 2700ms)

SPECIFICATIONS

Rainier Summit-2

CHASSIS	2RU modular with 1 control card and up to 6 multiviewer cards	
CONTROL CARD	Input	1 × RJ-45 (Software control via Ethernet) 1 × RJ-50 (for LTC1/LTC2 time code input and RS-232) 1 × HDMI (for HDMI cascade in) 1 × BNC (for SDI cascade in 1) 1 × BNC (for SDI cascade in 2) 1 × BNC (for Genlock source input) 1 × BNC (for VITC/LTC3 time code input) 2 × USB-A (forthcoming keyboard/mouse control for the in-system GUI)
	Output	1 × Stereo phono jack 1 × BNC (for Genlock signal output) 1 × HDMI (forthcoming in-system GUI output to a local monitor)
SDI CARD	Input	4 × BNC Automatic sensing input signals of SDI (3G Levels A&B/HD/SD) / CVBS (NTSC/PAL)
	Output	1 × HDMI (multiview video) Max. Resolution 3840×2160 (Ultra HD) @30 Hz (RGB444) 1920×1200 (WUXGA) @50/60 Hz (RGB444)
		1 × BNC (multiview video or routed output for any source signal) Multiview video Resolution at 1080p and 1080i 50/59.94/60 Hz (YCbCr422)
		Source signal routed output Max. Resolution 1920x1080p (Full HD) @50/60Hz; CVBS source automatically converted to SD-SDI output
POWER SUPPLY	AC100-240V 50/60Hz	
POWER CONSUMPTION	Max. 460 Watt	
DIMENSION (LxWxH)	15.72 x 17.28 x 3.50 inch (39.93 x 43.90 x 8.88 cm)	
WEIGHT	18.74 lbs (8.50 Kg)	

Rainier Summit-S

CHASSIS	1RU standalone	
	Input	4 × BNC Automatic sensing input signals of SDI (3G Levels A&B/HD/SD) / CVBS (NTSC/PAL)
	Output	1 × HDMI (multiview video) Max. Resolution 3840x2160 (Ultra HD) @30 Hz (RGB444) 1920x1200 (WUXGA) @50/60 Hz (RGB444) 1 × BNC (multiview video) Resolution at 1080p and 1080i 50/59.94/60 Hz (YCbCr422)
ETHERNET (IP)	Software control via Ethernet	
POWER SUPPLY	AC100-240V 50/60Hz	
POWER CONSUMPTION	Max. 50 Watt	
DIMENSION (LxWxH)	13.33 x 17.28 x 1.75 inch (33.86 x 43.90 x 4.44 cm)	
WEIGHT	4.19 lbs (1.90 Kg)	

Rainier Summit-2/Summit-S

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 REGULATION	FCC, CE, C-Tick, Class A	

Specifications and data are subject to change without notice.

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