Company and Product Profile

Innovative Monitoring Solutions

AVITECH

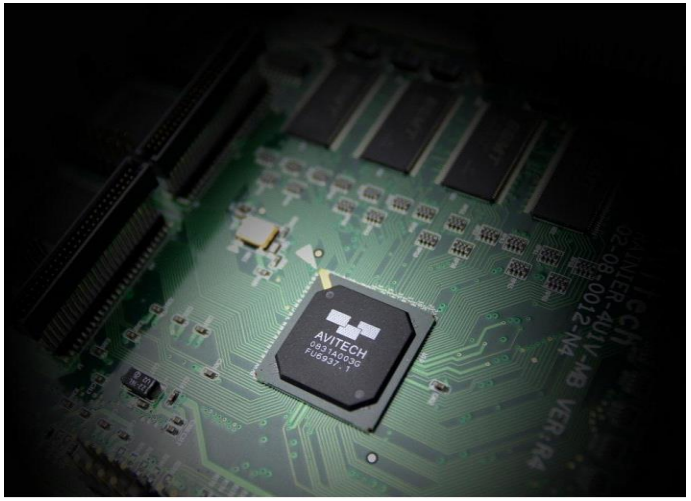
Company Overview

Headquartered in Redmond, Washington, Avitech International Corporation was founded in 1995 to address the growing demands faced in monitoring. We focus exclusively on the design, development and manufacture of multiviewers and their enhancing peripherals for a broad range of customers in the information technology, professional AV, television broadcast, and the surveillance industries. With over 20 years of experience in the field and tens of thousands of units in private and public sectors, Avitech provides industry-recognized and award-winning solutions in dynamic markets.

Mission Statement & Vision

At Avitech International Corporation, we pledge to serve our customers' needs by continually improving and expanding our product portfolio. Avitech strives to create a vibrant, open work environment for our employees and to provide unparalleled service for our customers, suppliers and partners.

Our vision is to provide innovative monitoring and control solutions to empower multiviewing and meet the evolving needs of our customers. Our products offer powerful customization options to fulfill a broad range of signal conversion, extension, distribution, switching, monitoring and operation demands. Our team is committed to improving and expanding our product portfolio to meet your needs.



History & Milestones

1995
- Avitech International Corporation founded
- Meeting with ABC to discuss the concept of Virtual Wall Monitor

1997
- Partnership with Seattle KOMO TV Station

2000
- Featured editorial front page coverage on Television Broadcast, Oct 2000 Issue
- First ever editorial coverage in trade magazine about multiviewers

2001
- Showcased world's largest Virtual Monitor Wall (120x50" screens) in Tulsa, Oklahoma

2003
- Introduced Application Specific Integrated Circuit (ASIC) design for multiviewer performance

2005
- Achieved RoHS Compliance (environmental standards test for materials hazardous to the environment)

2006
- MCC-8004UE selected for 2006 FIFA World Cup football games in Germany

2007
- Rainier series wins InfoComm Rental & Staging "Best Video/Broadcast Product Award"

2008
- MCC-8004UE selected for UEFA European football championship games in Austria and Switzerland

2010
- MCC-8004UE selected for 2010 FIFA World Cup football games in South Africa

2011
- Editorial featured in Religious Product News e newsletter: Redefining Multi-tasking
- Rainier 16U1V field report editorial featured in Broadcast Engineering November Issue

2012
- Rainier 3G selected for UEFA European football championship games in Poland and Ukraine

2013
- US patent granted - "Control System and Method for Controlling Information Processing Devices"

2014
- US patent granted - "Securing Device for Securing of Transmission Cable with Connector" (HDMI Hook)
- Rainier 3G Plus selected for FIFA World Cup football games in Brazil

2016
- Pacific MS non-compressed KVM and video matrix switcher introduced

2018
- Launched the Avitech KVM and AV over IP ecosystem

2019
- First Avitech KVM over IP ecosystem installation, including 66 screen video wall
- First installation of the Pacific MS-6 32x32 matrix switcher

Target Markets

Professional Audio-Visual

Corporate, command and control, rental and staging

Information Technology

Government/Federal, data center, healthcare, education

Broadcast

Television studio, production facility, cable/satellite provider operation

Security and Surveillance

Defense and aerospace, law enforcement, network control center, traffic control

Product Series Overview

Titan

Video Wall Processor / Card-Based Multiviewer

Newer generation video wall processor, TitanWall oIP and TitanWall ES series with open and distributed architecture deliver high-performance wall solutions with scalability. Installation of multiple walls at various sites on dedicated gigabit LAN also concurrently supports hundreds of user spaces in video wall management.

Sequoia

Multiviewer with KVM Switcher

The Sequoia series adds another dimension of versatility to multiviewing with the integration of a switching function for keyboard / mouse control, audio and USB hubs with support of touch-screen operation.

Pacific

Matrix Switcher / Converter / Extender / Distribution Amplifier

The Pacific family of products enables facility-wide integration and ensures consistent and powerful performance. The latest KVM and AV over IP solutions support ecosystems with signal conversion, extension, distribution, switching, monitoring, and operation.

Phoenix

GUI / Touch-Screen Control Panel

The Phoenix family includes easily configurable human interface devices and graphical user interface programs.

Rainier

Card-Based Multiviewer

The Rainier series features high quality multiviewers exclusively for processing SDI (3G/HD/SD) and CVBS (NTSC/PAL) signals.

Over IP Ecosystem

- Any-to-any KVM and AV extension, switching, and distribution over an IP network with an IGMP ethernet switch
- 4K30 UHD resolution, 4:4:4 color space with no more than one frame latency
- Remote mouse/keyboard control of any computer connected to the ecosystem
- Intuitive control GUI available with the Pacific X-IPRG receiver unit, enabling easy system setup, source preview, source switching, preset creation, TitanWall ES and TitanWall oIP video wall control, PTZ camera control, and account management
- Integrated Sequoia UHD offers 4K30 multiview and multi-touch
- Copper and fiber redundancy available
- Distributed architecture enables scalability and in-field expansion by adding transmitters and receivers
- Long distance solution over LAN up to 127 km and over WAN from anywhere in the world.

Pacific MS

- 4K HDMI/SDI KVM matrix switcher integrated with multiviewer in one field-configurable enclosure
- 1RU (12x12 MS-1), 2RU (12x8 MS-2), 3RU (20x16 MS-3), 6RU (32x32 MS-6) options
- Intuitive in-system GUI offers simple routing configurations and real-time source preview & output confirmation with drag-and-drop simplicity
- Modular card-based design with wide selection of I/O cards
- Fully non-blocking architecture, allows flexible signal switching to multiple destinations
- Flexible output grouping facilitates multi-user command and control operations; one mouse/keyboard set for each multi-monitor workstation can control any connected source computer
- Adaptive video equalization extends cabling distance up to 40m for 1080p/60 HDMI source signal with Deep Color
- Input cards provide integration with Avitech over IP ecosystem

TitanWall oIP

- 1RU Video Wall Control Solution, integrated with the Avitech oIP Ecosystem
- HDMI/DVI/VGA/SDI input with HDMI output at 4K 25/30 for UHD display
- Adjustable windows with full screen capability for all inputs at 4K30
- Freely scalable images can fill entire video wall of any size
- Supports image overlay, resize, reposition, zoom, and freeze
- Can cascade units to have up to 16 images display on a single UHD output

Sequoia UHD

- Multiviewer with KVM, over IP, video wall control, and multi-touch display capabilities
- 1RU modular card-based chassis with a variety of cards for different requirements
- Control 5 computer sources on two monitors with one keyboard and mouse
- Cascade up to 4 Sequoia UHD chassis and control 16 sources with one keyboard and mouse on one screen
- Can seamlessly switch control from one source computer to another with a simple mouse movement
- Intuitive user interface and touchscreen capability with single or multi-touch gestures
- Can operate as a standalone unit, or work with the Avitech oIP Ecosystem

Titan 9000

- Compact 1RU modular card-based multiviewer
- Can have mix and match of signals with various card types
- Internal cascading enables groupings of up to 4 cards to display 8, 12, and 16 images on one screen
- Scalable configuration allows user to expand the system by cascading up to 10 units that facilitates the monitoring of up to 160 sources on either one or multiple screens
- Extensive video controls include free-scaling windows up to full screen size, PiP layering, flexible layout configurations and OSD settings

Sequoia Series

- Compact multiviewer integrated with KVM switch
- Simultaneously monitor and control up to 4 source computers on one display
- Cascade up to 5 Sequoia devices and control up to 20 computers with one keyboard/mouse set
- Seamless switch of control from one source computer to another via simple mouse movement
- Intuitive user interface and touchscreen capability with single or multi-touch gestures achieved streamlined operation
- Flexible model selection accepts various digital and analog video sources from a variety of devices

Pacific DA-204

- High performance 12G/6G/3G/HD/SD-SDI reclocking distribution amplifier
- Hot-swappable, modular card-based architecture houses up to 8 independent cards in an 1RU chassis; each card features 2 SDI inputs and 4 SDI outputs
- Incorporates adaptive cable equalizer, reclocker, and low-jitter cable driver; ensuring long cable runs while maintaining optimal signal integrity for 4K UHD source videos
- Easily configurable DIP switch settings allow flexible signal distribution and routing to multiple destinations
- Automatic signal presence detection switches to valid source within 60 milliseconds when loss of signal occurs

Pacific C-A

- All-in-one, multi-format converter with scaler
- Auto-sensing input resolution up to 1920x1200 resolution (WUXGA) and full HD 1080p
- Converts extensive range of graphics and video sources to designated output signal from HDMI/DVI/VGA/YPbPr/CVBS/SDI to HDMI/DVI/VGA/SDI
- Front LCD panel provides easy configuration and graphic control, including flexible area of interest crop/pan and aspect ratio control
- Analog stereo audio can be embedded onto the SDI output with audio delay
- Optional genlock functionality available (Pacific C-AG model)

Pacific X-HDUT/R

- 4K HDBaseT KVM extender
- Extends uncompressed HDCP compliant HDMI signals, along with 8-channel audio, USB HID and IR up to 100 meters (328 feet) over a standard CAT5e/6 cable
- Modular enclosure houses up to 6 independent extender cards for parallel signal transmission with active HDMI loop out support
- Scalable configurations reinforced by high performance jitter cleaner; ensures pristine signal integrity for extension up to 1200 meters across 144 locations
- AC and DC dual redundant power supply ensures continuous operation

Rainier Summit

- 4K multiviewer with integrated router, enabling flexible routing and unlimited signal repetition across multiple screens
- Hot-swappable card-based design supports mix-and-match of SDI (3G Level A&B/HD/SD) and CVBS source signals with extensive range of resolutions and timings
- Single multiviewer cards support both HDMI and SDI multiview outputs (up to 4K30 and 1080p60 respectively), as well as any source signal routed output via the SDI output
- Internal cascade architecture allows grouping of individual multiviewer cards and incorporates up to 24 sources on a single screen
- Scalable configurations expand multiviewing by cascading up to 25 cards from multiple Rainier Summit, facilitating monitoring of 100 sources on one screen

Rainier 3G Plus

- Compact 1RU modular card-based multiviewer designed for SDI (3G/HD/SD) and CVBS (NTSC/PAL) signals with full HD 1080p HDMI output
- High flexibility through internal cascading, display of 16 inputs from 4 cards on one monitor as a single integrated system, or duplicates the same image to other monitor
- Scalable configuration allows user to expand the system by cascading up to 10 units that facilitates the monitoring of up to 160 sources on either one or multiple screens
- Field-serviceable modules, redundant power supply and power failure alarm dedicate to achieve no single point of failure operation
- Dynamic layout and system configuration via Windows-based control software. Front LCD panel provides an alternate control interface without the need of software or computer

Rainier 3G

- Compact 1RU modular card-based multiviewer incorporates with 8 auto-sensing SDI (3G/HD/SD) / CVBS (NTSC/PAL) inputs and 8 SDI (3G/HD/SD) loop outs, along with 2 DVI-I inputs for cascading
- Dynamic control through a built-in 8x8 crosspoint switch that enables powerful multiviewing by managing multiple inputs over 2 outputs
- Features a highly scalable architecture that delivers optimum performance and no single point of failure reliability
- Internal and external cascading of up to 15 modules to monitor 120 inputs, suitable for larger application with the ability to simultaneously monitor audio, video and computer signals on the same display

Phoenix TACP

- Tabletop 7" color touch-screen with 800x480 resolution control panel
- Streamline control of up to 120 Avitech modules via IP and/or serial communication
- Customizable unique layouts for up to 3 operators, 64 graphic buttons on one screen and 80 commands in one button
- Predesigned application templates, buttons and backgrounds provide expanded control capabilities to ensure that critical functions are easily accessible
- Peer-to-peer connectivity allows the use of up to 5 TACPs simultaneously

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