LivePremier™
PRESENTATION SWITCHERS
**LivePremier™** is a full range of modular and scalable 4K/8K multi-screen presentation systems and videowall processors, delivering uncompromising presentation experiences to high-end staging and premium system integration. The **LivePremier™** series compromises five high-performance pre-configured products (Aquilon RS alpha, RS1, RS2, RS3 and RS4) as well as two fully customizable models (Aquilon C and C+) that can be tailored to match the requirements of any project or event.
EXTREME PERFORMANCE

The LivePremier™ series of products offers versatile 4K digital connectivity, unmatched real-time 10/12-bit 4:4:4 video processing power, best-in-class image quality and pure 4K60p on each input and output with ultra-low latency. Ideally tailored to large scale auditoriums, conference rooms, staging live events, houses of worship, corporate lobbies and sports venues, the LivePremier™ series offers almost unlimited possibilities for future applications and possesses enough bandwidth to support evolving requirements, such as 8K, higher framerates and more...

INDUSTRIAL GRADE RELIABILITY

The LivePremier™ systems are specifically engineered to perform to the highest standards in mission-critical applications and road-hardened to survive frequent shipping and tough live events. By combining a heavy-duty modular design, the highest quality components selected for their proven reliability and features such as redundant swappable power supplies and smart thermal management, the LivePremier™ series delivers uninterrupted 24/7 performance and peace of mind!
VERSATILE FOR THE HIGHEST FLEXIBILITY OF CONFIGURATIONS

The modular design of the LivePremier™ series allows you to easily swap in I/O cards to accommodate a variety of connectivity arrangements and your match source and display requirements. Per chassis, the LivePremier™ series features up to 24 inputs and 20 outputs configurable as single screens, edge-blended widescreens or scaled auxiliary outputs, 2 dedicated Multiviewer outputs and up to 12x 4K or 24x HD freely assignable mixing layers. The LivePremier™ series also offers powerful features that will allow you to handle any creative display configuration, such as a custom output formats, output rotation, AOI, bezel compensation and pixel pitch management. The LivePremier™ systems are now also compatible with the Analog Way DPH104 video processor which converts one 4K DP 1.2 output to four independent 1080p HDMI outputs.

SMART FUNCTIONALITIES

The LivePremier™ series of products features state-of-the-art real time processing that will help you to unleash all your creative potential and produce flawless, stunning live presentations: true seamless switching, real-time SDR/HDR conversion, flying layer movement, advanced cut and fill, cutting edge keying engine... It also allows to remove external audio de-embedding boxes: in just a few easy clicks, audio can be de-embedded from video sources, routed directly using onboard Dante™ card and re-embedded from external audio processor for sending to display, recording device, or streaming.
UNRIVALED EASE OF USE

For the best ease of setup and to ensure flawless control of multi-screen presentations, the LivePremier™ series features a totally new, cutting-edge HTML5-based user interface, the Web RCS, compatible with any device or platform including iOS and Android devices. Conceived to greatly increase productivity and reduce learning curve, the Web RCS offers dozens of unique features you will instantly love and that make configuration and control a breeze. And if you want to create a configuration offline or simply refresh your skills, you can give a try to the free LivePremier™ Simulator and use to the integrated Web RCS to prepare a show on the road that can then be exported directly to a real device.

POWERFUL AND FLEXIBLE CONTROL OPTIONS

In addition to the powerful Web RCS, the LivePremier™ series features IP (Ethernet) control via a standard TCP/IP socket connection supported by all major third-party control systems. Each unit can also be controlled by the free Crestron® driver as well as by AW Video Compositor, a unique solution that gives system integrators and Crestron® developers all the tools they need to easily incorporate the power of LivePremier™ image processors video compositing into a single point of control Crestron® touch-screen application. Additionally, they can be controlled by a comprehensive range of remote control solutions from the Shot Box² and the Control Box² to the powerful standalone event controller, the RC400T, featuring premium buttons with dynamic LCD labels, a T-Bar and a Joystick, that will streamline your control of the LivePremier™ series.
QUICK OVERVIEW

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WEB RCS: UNRIVALED EASE OF USE

The LivePremier™ series features an elegant and easy-to-learn web-based embedded application, the Web RCS, designed to allow for the best ease of setup and to ensure flawless control of multi-screen presentations. The Web RCS uses modern web technologies compatible with any device or platform including iOS and Android devices, and has been designed to offer operators responsive and highly interactive, immersive experiences literally at their fingertips.

Conceived to greatly increase productivity and reduce learning curve, the Web RCS offers dozens of unique features that simplify configuring and operating such as high-quality live thumbnails of the connected sources, multi-operator collaboration with password protection and user privileges, multi-language support, walkthrough guides, keyword search and much more...

The Web RCS is compatible with any device or platform, including iOS and Android devices.
LIVEPREMIER™ MARKETS

RENTAL and STAGING
- Small conferences
- Large-scale product launches
- Corporate events
- Multi-screen live concert

ENTERTAINMENT VENUES
- Casino
- E-Sports
- Theme parks
- Stadium
- Museum

CORPORATE
- Small boardrooms
- Training facilities
- Large-scale auditoriums
- Corporate lobbies
- Experience centers

GOVERNMENT
- Courtrooms
- Council chambers
- Mission critical environments
- Control rooms

BROADCAST
- TV studios
- Live-streaming
- Production facilities
- Post-production facilities
- Mobile media systems

HIGHER EDUCATION
- Classrooms
- Large auditoriums
- Face-to-face courses
- Distance learnings

HEALTHCARE
- Surgery
- Radiologists

HOUSES OF WORSHIP
THE PRODUCTS
Aquilon RS alpha

Aquilon C

Aquilon C+

THE PRODUCTS

Aquilon C Cards & Accessories
Aquilon RS4
Ref. AQL-RS4

Mission-critical 4K/8K multi-screen presentation system and videowall processor with 24 inputs and 16 outputs, delivering uncompromising presentation experiences to high-end staging and premium system integration

Aquilon RS4 at a glance:

- 24x 4K60p inputs (12x HDMI 2.0, 8x DP 1.2, 4x 12G-SDI)
- 16x 4K60p HDMI 2.0 outputs
- 120 Mpx throughput at 10-bit 4:4:4 @60Hz on Program
- Up to 12x 4K60p Program outputs or to 16x 2K/Dual-Link@60p Program outputs
- Up to 12x 4K or 24x 2K/Dual-Link mixing layers (doubled if split layers)
- Unscaled live or still image seamless background mixer on each output
- 24x 4K or 48x 2K concurrent still images
- 5RU chassis
Based on LivePremier™ platform

Highly ruggedized chassis with cleanable air filter

Swappable redundant power supplies (2+1)

24x 4K60p inputs (12x HDMI 2.0, 8x DP 1.2, 4x 12G-SDI)

16x 4K60p active outputs (16x HDMI 2.0)

True 4K60p 4:4:4 performance on every I/O channel

Ultra-low latency 10 and 12-bit processing

Full set of field swappable I/O cards available separately (DP 1.2, 12G-SDI, HDMI 2.0, SFP+, HDMI 2.0 over fiber, SDVoE or filler) to accommodate any connectivity arrangements

Support 4K60p input and output as single, double or quad plugs

Compatible with Analog Way DPH104 video processor: easily convert one 4K DP 1.2 output to 4 independent full HD outputs (requires a DP output card)

120 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer

Up to 12x 4K or 24x DL/2K mixing layers per system (24x 4K or 48x DL/2K split layers), depending on the screens setup

24x 4K or 48x 2K concurrent still images

Unscaled seamless background mixer on each output (using instantaneous still images or live sources)

Flexible layer management

Seamless crossfade on all mixing layers, on all 24 sources

Scaled 4K60p AUX feature for all non-PGM outputs

Ability to create layers on AUX outputs without using processing resources

Ability to place the outputs anywhere on an almost limitless video canvas space for special LED wall applications

Inboard clocks, timers and countdowns for your screens or AUX outputs

2x configurable 4K Multiviewers with 64x resizable widgets

Advanced pixel pitch management for LED wall applications

Native Dante™ audio networking hardware and support (64x64)

Real-time SDR/HDR10/HLG conversion based on 3D-LUTs

High Frame Rate up to 144Hz

Rotation capability on each output (increment of 90°)

Independent output rates

Framelock or internal sync. generator

Adjustable H&V phase of each output signal

Web RCS: highly intuitive, lightning fast web-based user interface based on HTML5 with password protection

HTTP for standard connection or HTTPS for secure connection

Live video thumbnails shown on GUI

Multi operator real-time collaboration

Easily create and recall preset looks on all your screens and auxiliary outputs

Custom output formats for non-standard display applications

Area of interest feature to customize active areas of outputs

Still images support variable alpha-channels for transparent background on logos

Cut and Fill

Fully functional simulator for offline configuration and practice

EDID management on every input and output

Compatible with HDCP 1.4 and HDCP 2.2

Future proof modular design

Quiet: 49dB average noise at 1m

Remote services and maintenance

Backup and restore functions
Aquilon RS3
Ref. AQL-RS3

Mission-critical 4K/8K multi-screen presentation system and videowall processor with 24 inputs and 12 outputs, delivering uncompromising presentation experiences to high-end staging and premium system integration

Aquilon RS3 at a glance:

- 24x 4K60p inputs (12x HDMI 2.0, 8x DP 1.2, 4x 12G-SDI)
- 12x 4K60p HDMI 2.0 outputs
- 80 Mpx throughput at 10-bit 4:4:4 @60Hz on Program
- Up to 8x 4K60p Program outputs or to 12x 2K/Dual-Link@60p Program outputs
- Up to 8x 4K or 16x 2K/Dual-Link mixing layers (doubled if split layers)
- Unscaled live or still image seamless background mixer on each output
- 24x 4K or 48x 2K concurrent still images
- 5RU chassis
KEY FEATURES:

Based on LivePremier™ platform
Highly ruggedized chassis with cleanable air filter
Swappable redundant power supplies (2+1)
24x 4K60p inputs (12x HDMI 2.0, 8x DP 1.2, 4x 12G-SDI)
12x 4K60p active outputs (12x HDMI 2.0)
True 4K60p 4:4:4 performance on every I/O channel
Ultra-low latency 10 and 12-bit processing
Full set of field swappable I/O cards available separately (DP 1.2, 12G-SDI, HDMI 2.0, SFP+, HDMI 2.0 over fiber, SDVoE or filler) to accommodate any connectivity arrangements
Support 4K60p input and output as single, double or quad plugs
Compatible with Analog Way DPH104 video processor: easily convert one 4K DP 1.2 output to 4 independent full HD outputs (requires a DP output card)
80 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer
Up to 8x 4K or 16x DL/2K mixing layers per system (16x 4K or 32x DL/2K split layers), depending on the screens setup
24x 4K or 48x 2K concurrent still images
Unscaled seamless background mixer on each output (using instantaneous still images or live sources)
Flexible layer management
Seamless crossfade on all mixing layers, on all 24 sources
Scaled 4K60p AUX feature for all non-PGM outputs
Ability to create layers on AUX outputs without using processing resources
 Ability to place the outputs anywhere on an almost limitless video canvas space for special LED wall applications
Inboard clocks, timers and countdowns for your screens or AUX outputs

2x configurable 4K Multiviewers with 64x resizable widgets
Advanced pixel pitch management for LED wall applications
Native Dante™ audio networking hardware and support (64x64)
Real-time SDR/HDR10/HLG conversion based on 3D-LUTs
High Frame Rate up to 144Hz
Rotation capability on each output (increment of 90°)
Independent output rates
Framelock or internal sync. generator
Adjustable H&V phase of each output signal
Web RCS: highly intuitive, lightning fast web-based user interface based on HTML5 with password protection
HTTP for standard connection or HTTPS for secure connection
Live video thumbnails shown on GUI
Multi operator real-time collaboration
Easily create and recall preset looks on all your screens and auxiliary outputs
Custom output formats for non-standard display applications
Area of Interest feature to customize active areas of outputs
Still images support variable alpha-channels for transparent background on logos
Cut and Fill
Fully functional simulator for offline configuration and practice
EDID management on every input and output
Compatible with HDCP 1.4 and HDCP 2.2
Future proof modular design
Quiet: 49dB average noise at 1m
Remote services and maintenance
Backup and restore functions
Aquilon RS2
Ref. AQL-RS2

Mission-critical 4K/8K multi-screen presentation system and videowall processor with 16 inputs and 12 outputs, delivering uncompromising presentation experiences to high-end staging and premium system integration

Aquilon RS2 at a glance:

- 16x 4K60p inputs (8x HDMI 2.0, 4x DP 1.2, 4x 12G-SDI)
- 12x 4K60p HDMI 2.0 outputs
- 80 Mpx throughput at 10-bit 4:4:4 @60Hz on Program
- Up to 8x 4K60p Program outputs or to 12x 2K/Dual-Link@60p Program outputs
- Up to 8x 4K or 16x 2K/Dual-Link mixing layers (doubled if split layers)
- Unscaled live or still image seamless background mixer on each output
- 12x 4K or 24x 2K concurrent still images
- 4RU chassis
KEY FEATURES:

- Based on LivePremier™ platform
- Highly ruggedized chassis with cleanable air filter
- Swappable redundant power supplies (1+1)
- 16x 4K60p inputs (8x HDMI 2.0, 4x DP 1.2, 4x 12G-SDI)
- 12x 4K60p active outputs (12x HDMI 2.0)
- True 4K60p 4:4:4 performance on every I/O channel
- Ultra-low latency 10 and 12-bit processing
- Full set of field swappable I/O cards available separately (DP 1.2, 12G-SDI, HDMI 2.0, SFP+, HDMI 2.0 over fiber, SDVoE or filler) to accommodate any connectivity arrangements
- Support 4K60p input and output as single, double or quad plugs
- Compatible with Analog Way DPH104 video processor: easily convert one 4K DP 1.2 output to 4 independent full HD outputs (requires a DP output card)
- 80 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer
- Up to 8x 4K or 16x DL/2K mixing layers per system (16x 4K or 32x DL/2K split layers), depending on the screens setup
- 12x 4K or 24x 2K concurrent still images
- Unscaled seamless background mixer on each output (using instantaneous still images or live sources)
- Flexible layer management
- Seamless crossfade on all mixing layers, on all 16 sources
- Scaled 4K60p AUX feature for all non-PGM outputs
- Ability to create layers on AUX outputs without using processing resources
- Ability to place the outputs anywhere on an almost limitless video canvas space for special LED wall applications
- Inboard clocks, timers and countdowns for your screens or AUX outputs

Aquilon RS2

- 2x configurable 4K Multiviewers with 64x resizable widgets
- Advanced pixel pitch management for LED wall applications
- Native Dante™ audio networking hardware and support (64x64)
- Real-time SDR/HDR10/HLG conversion based on 3D-LUTs
- High Frame Rate up to 144Hz
- Rotation capability on each output (increment of 90°)
- Independent output rates
- Framelock or internal sync. generator
- Adjustable H&V phase of each output signal

Web RCS: highly intuitive, lightning fast web-based user interface based on HTML5 with password protection

- HTTP for standard connection or HTTPS for secure connection
- Live video thumbnails shown on GUI
- Multi operator real-time collaboration
- Easily create and recall preset looks on all your screens and auxiliary outputs
- Custom output formats for non-standard display applications
- Area of Interest feature to customize active areas of outputs
- Still images support variable alpha-channels for transparent background on logos
- Cut and Fill
- Fully functional simulator for offline configuration and practice
- EDID management on every input and output
- Compatible with HDCP 1.4 and HDCP 2.2
- Future proof modular design
- Quiet: 49dB average noise at 1m
- Remote services and maintenance
- Backup and restore functions
Aquilon RS1
Ref. AQL-RS1

Mission-critical 4K/8K multi-screen presentation system and videowall processor with 16 inputs and 8 outputs, delivering uncompromising presentation experiences to high-end staging and premium system integration

Aquilon RS1 at a glance:

• 16x 4K60p inputs (8x HDMI 2.0, 4x DP 1.2, 4x 12G-SDI)
• 8x 4K60p HDMI 2.0 outputs
• 40 Mpx throughput at 10-bit 4:4:4 @60Hz on Program
• Up to 4x 4K60p Program outputs or to 8x 2K/Dual-Link@60p Program outputs
• Up to 4x 4K or 8x 2K/Dual-Link mixing layers (doubled if split layers)
• Unscaled live or still image seamless background mixer on each output
• 12x 4K or 24x 2K concurrent still images
• 4RU chassis
KEY FEATURES:

Based on LivePremier™ platform

Highly ruggedized chassis with cleanable air filter

Swappable redundant power supplies (1+1)

16x 4K60p inputs (8x HDMI 2.0, 4x DP 1.2, 4x 12G-SDI)

8x 4K60p active outputs (8x HDMI 2.0)

True 4K60p 4:4:4 performance on every I/O channel

Ultra-low latency 10 and 12-bit processing

Full set of field swappable I/O cards available separately (DP 1.2, 12G-SDI, HDMI 2.0, SFP+, HDMI 2.0 over fiber, SDVoE or filler) to accommodate any connectivity arrangements

Support 4K60p input and output as single, double or quad plugs

Compatible with Analog Way DPH104 video processor: easily convert one 4K DP 1.2 output to 4 independent full HD outputs (requires a DP output card)

40 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer

Up to 4x 4K or 8x DL/2K mixing layers per system (8x 4K or 16x DL/2K split layers), depending on the screens setup

12x 4K or 24x 2K concurrent still images

Unscaled seamless background mixer on each output (using instantaneous still images or live sources)

Flexible layer management

Seamless crossfade on all mixing layers, on all 16 sources

Scaled 4K60p AUX feature for all non-PGM outputs

Ability to create layers on AUX outputs without using processing resources

Ability to place the outputs anywhere on an almost limitless video canvas space for special LED wall applications

Inboard clocks, timers and countdowns for your screens or AUX outputs

2x configurable 4K Multiviewers with 64x resizable widgets

Advanced pixel pitch management for LED wall applications

Native Dante™ audio networking hardware and support (64x64)

Real-time SDR/HDR10/HLG conversion based on 3D-LUTs

High Frame Rate up to 144Hz

Rotation capability on each output (increment of 90°)

Independent output rates

Framelock or internal sync. generator

Adjustable H&V phase of each output signal

Web RCS: highly intuitive, lightning fast web-based user interface based on HTML5 with password protection

HTTP for standard connection or HTTPS for secure connection

Live video thumbnails shown on GUI

Multi operator real-time collaboration

Easily create and recall preset looks on all your screens and auxiliary outputs

Custom output formats for non-standard display applications

Area of Interest feature to customize active areas of outputs

Still images support variable alpha-channels for transparent background on logos

Cut and Fill

Fully functional simulator for offline configuration and practice

EDID management on every input and output

Compatible with HDCP 1.4 and HDCP 2.2

Future proof modular design

Quiet: 49dB average noise at 1m

Remote services and maintenance

Backup and restore functions
Aquilon RS alpha
Ref. AQL-RS-ALPHA

Mission-critical 4K/8K multi-screen presentation system and videowall processor with 8 inputs and 4 outputs, delivering uncompromising presentation experiences to high-end staging and premium system integration

Aquilon RS alpha at a glance:

- 8x 4K60p inputs (8x HDMI 2.0)
- 4x 4K60p HDMI 2.0 outputs
- 40 Mpx throughput at 10-bit 4:4:4 @60Hz on Program
- Up to 4x 4K60p Program outputs or to 8x 2K/Dual-Link@60p Program outputs
- Up to 4x 4K60p or 8x Dual/2K60p mixing layers (doubled if split layers)
- Unscaled live or still image seamless background mixer on each output
- 12x 4K or 24x 2K concurrent still images
- 4RU chassis
KEY FEATURES:

Based on LivePremier™ platform
Highly ruggedized chassis with cleanable air filter
Swappable redundant power supplies (1+1)
8x 4K60p HDMI 2.0 inputs
4x 4K60p HDMI 2.0 active outputs
True 4K60p 4:4:4 performance on every I/O channel
Ultra-low latency 10 and 12-bit processing
Full set of field swappable I/O cards available separately (DP 1.2, 12G-SDI, HDMI 2.0, SFP+, HDMI 2.0 over fiber, SDVoE or filler) to accommodate any connectivity arrangements
Support 4K60p input and output as single, double or quad plugs
Compatible with Analog Way DPH104 video processor: easily convert one 4K DP 1.2 output to 4 independent full HD outputs (requires a DP output card)
40 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer
Up to 4x 4K or 8x DL/2K mixing layers per system (8x 4K or 16x DL/2K split layers), depending on the screens setup
12x 4K or 24x 2K concurrent still images
Unscaled seamless background mixer on each output (using instantaneous still images or live sources)
Flexible layer management
Seamless crossfade on all mixing layers, on all 8 sources
Scaled 4K60p AUX feature for all non-PGM outputs
Ability to create layers on AUX outputs without using processing resources
Ability to place the outputs anywhere on an almost limitless video canvas space for special LED wall applications
Inboard clocks, timers and countdowns for your screens or AUX outputs

2x configurable 4K Multiviewers with 64x resizable widgets
Advanced pixel pitch management for LED wall applications
Native Dante™ audio networking hardware and support (64x64)
Real-time SDR/HDR10/HLG conversion based on 3D-LUTs
High Frame Rate up to 144Hz
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Fully functional simulator for offline configuration and practice
EDID management on every input and output
Compatible with HDCP 1.4 and HDCP 2.2
Future proof modular design
Quiet: 49dB average noise at 1m
Remote services and maintenance
Backup and restore functions
Aquilon C+
Ref. AQL-C+

Fully modular and scalable 4K/8K multi-screen presentation system and videowall processor with up to 24x 4K60p inputs, 20x 4K60p outputs and 12x 4K mixing layers

Aquilon C+ at a glance:

- 8, 16 or 24 4K60p inputs via 2, 4 or 6 field swappable input connector cards
- From 4 to 20 active 4K60p outputs via 5 field swappable output connector cards
- Full set of I/O cards available featuring HDMI2.0, DP1.2, 12G-SDI, SFP+, HDMI2.0 over fiber and SDVoE
- Up to 12x 4K60p or to 20x Dual Link @60p Program outputs
- Up to 3 video processing cards, each supporting 4x 4K or 8x 2K/Dual-Link mixing layers
- Up to 2 still image processing cards, each supporting 12x 4K or 24x 2K concurrent still images
- Unscaled live or still image seamless background mixer on each output
- 5RU chassis
## KEY FEATURES:

- Based on LivePremier™ platform
- Highly ruggedized chassis with cleanable air filter
- Swappable redundant power supplies (2+1)
- Up to 24x 4K60p inputs and up to 20x 4K60p outputs
- Field-installable input & output connector cards to accommodate a variety of connectivity arrangements
- Full set of I/O cards available featuring HDMI2.0, DP1.2, 12G-SDI, SFP+, HDMI2.0 over fiber, SDVoE and filler
- True 4K60p 4:4:4 performance on every I/O channel
- Ultra-low latency 10 and 12-bit processing
- Support 4K60p input and output as single, double or quad plugs
- Compatible with Analog Way DPH104 video processor: easily convert one 4K DP 1.2 output to 4 independent full HD outputs (requires a DP output card)
- Up to 120 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer
- Up to 12x 4K or 24x DL/2K mixing layers per system (24x 4K or 48x DL/2K split layers), depending on the screens setup
- Up to 24x 4K or 48x 2K concurrent still images
- Unscaled seamless background mixer on each output (using instantaneous still images or live sources)
- Flexible layer management
- Seamless crossfade on all mixing layers, on all sources
- Scaled 4K60p AUX feature for all non-PGM outputs
- Ability to create layers on AUX outputs without using processing resources
- Ability to place the outputs anywhere on an almost limitless video canvas space for special LED wall applications
- Inboard clocks, timers and countdowns for your screens or AUX outputs

### Aquilon C+

- 2x configurable 4K Multiviewers with 64x resizable widgets
- Advanced pixel pitch management for LED wall applications
- Native Dante™ audio networking hardware and support (64x64)
- Real-time SDR/HDR10/HLG conversion based on 3D-LUTs
- High Frame Rate up to 144Hz
- Rotation capability on each output (increment of 90°)
- Independent output rates
- Framelock or internal sync. generator
- Adjustable H&V phase of each output signal

**Web RCS**: highly intuitive, lightning fast web-based user interface based on HTML5 with password protection

- HTTP for standard connection or HTTPS for secure connection
- Live video thumbnails shown on GUI
- Multi operator real-time collaboration
- Easily create and recall preset looks on all your screens and auxiliary outputs
- Custom output formats for non-standard display applications
- Area of Interest feature to customize active areas of outputs
- Still images support variable alpha-channels for transparent background on logos
- Cut and Fill
- Fully functional simulator for offline configuration and practice
- EDID management on every input and output
- Compatible with HDCP 1.4 and HDCP 2.2
- Future proof modular design
- Quiet: 49dB average noise at 1m
- Remote services and maintenance
- Backup and restore functions
Aquilon C
Ref. AQL-C

Fully modular and scalable 4K/8K multi-screen presentation system and videowall processor with up to 16x 4K60p inputs, 16x 4K60p outputs and 8x 4K mixing layer

Aquilon C at a glance:

- 8 or 16 4K60p inputs via 2 or 4 field swappable input connector cards
- From 4 to 16 active 4K60p outputs via 4 field swappable output connector cards
- Full set of I/O cards available featuring HDMI2.0, DP1.2, 12G-SDI, SFP+, HDMI2.0 over fiber and SDVoE
- Up to 8x 4K60p or to 16x Dual Link @60p Program outputs
- Up to 2 video processing cards, each supporting 4x 4K or 8x 2K/Dual-Link mixing layers
- Optional still image processing card supporting 12x 4K or 24x 2K concurrent still images
- Unscaled live or still image seamless background mixer on each output
- 4RU chassis
KEY FEATURES:

- Based on LivePremier™ platform
- Highly ruggedized chassis with cleanable air filter
- Swappable redundant power supplies (1+1)
- Up to 16x 4K60p inputs and up to 16x 4K60p outputs
- Field-installable input & output connector cards to accommodate a variety of connectivity arrangements
- Full set of I/O cards available featuring HDMI2.0, DP1.2, 12G-SDI, SFP+, HDMI2.0 over fiber, SDVoE and filler
- True 4K60p 4:4:4 performance on every I/O channel
- Ultra-low latency 10 and 12-bit processing
- Support 4K60p input and output as single, double or quad plugs
- Compatible with Analog Way DPH104 video processor: easily convert one 4K DP 1.2 output to 4 independent full HD outputs (requires a DP output card)
- Up to 80 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer
- Up to 8x 4K or 16x DL/2K mixing layers per system (16x 4K or 32x DL/2K split layers), depending on the screens setup
- Up to 12x 4K or 24x 2K concurrent still images
- Unscaled seamless background mixer on each output (using instantaneous still images or live sources)
- Flexible layer management
- Seamless crossfade on all mixing layers, on all sources
- Scaled 4K60p AUX feature for all non-PCM outputs
- Ability to create layers on AUX outputs without using processing resources
- Ability to place the outputs anywhere on an almost limitless video canvas space for special LED wall applications
- Inboard clocks, timers and countdowns for your screens or AUX outputs

- 2x configurable 4K Multiviewers with 64x resizable widgets
- Advanced pixel pitch management for LED wall applications
- Native Dante™ audio networking hardware and support (64x64)
- Real-time SDR/HDR10/HLG conversion based on 3D-LUTs
- High Frame Rate up to 144Hz
- Rotation capability on each output (increment of 90°)
- High Frame Rate up to 144Hz
- Independent output rates
- Framelock or internal sync. generator
- Adjustable H&V phase of each output signal

**Web RCS:** highly intuitive, lightning fast web-based user interface based on HTML5 with password protection
- HTTP for standard connection or HTTPS for secure connection
- Live video thumbnails shown on GUI
- Multi operator real-time collaboration
- Easily create and recall preset looks on all your screens and auxiliary outputs
- Custom output formats for non-standard display applications
- Area of Interest feature to customize active areas of outputs
- Still images support variable alpha-channels for transparent background on logos
- Cut and Fill
- Fully functional simulator for offline configuration and practice
- EDID management on every input and output
- Compatible with HDCP 1.4 and HDCP 2.2
- Future proof modular design
- Quiet: 49dB average noise at 1m
- Remote services and maintenance
- Backup and restore functions
### HDMI inputs
Ref. ACC-AQL-IN-HDMI
- 4x HDMI 2.0 input connectors, each supporting up to 4K60p 8-bit 4:4:4

### DP inputs
Ref. ACC-AQL-IN-DP
- 4x DisplayPort 1.2 input connectors, each supporting up to 4K60p 10-bit 4:4:4

### 12G-SDI inputs
Ref. ACC-AQL-IN-SDI
- 4x 12G-SDI input connectors, each supporting up to 4K60p 10-bit
- Compatible with HD-SDI, 3G-SDI (level A & B) and 6G-SDI

### SFP inputs
Ref. ACC-AQL-IN-SFP
- 4x SFP cages input connectors, each supporting up to 4K60 10-bit 4:2:2

### HDMI over Fiber inputs
Ref. ACC-AQL-IN-HDMI-FBR
- 4x 4x HDMI 2.0 over fiber input connectors, each supporting formats up to 4K60 8 bits 4:4:4 or 4K60 10 bits 4:2:2 as well as custom resolutions such as extra-wide 8192×1080@60Hz.

### SDVoE inputs
Ref. ACC-AQL-IN-SDVOE
- 4 SDVoE Input connectors, each supporting video-over-IP up to 4K60p 8-bit 4:4:4

### Input Filler
Ref. ACC-AQL-IN-FILLER
- For unequipped input interface slot
- Protect and maintain the unit fully functional
### OUTPUT CARDS

<table>
<thead>
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<th>HDMI outputs</th>
<th>DP outputs</th>
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<td><strong>Ref. ACC-AQL-OUT-DP</strong></td>
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<td><strong>Ref. ACC-AQL-OUT-SFP</strong></td>
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<tr>
<td>- 4x HDMI 2.0 output connectors, each supporting up to 4K60p 8-bit 4:4:4</td>
<td>- 4x DisplayPort 1.2 output connectors, each supporting up to 4K60p 10-bit 4:4:4</td>
<td>- 4x 12G-SDI output connectors, each supporting up to 4K60p 10-bit 4:2:2</td>
<td>- 4x SFP cages output connectors, each supporting up to 4K60 10-bit 4:2:2</td>
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<thead>
<tr>
<th>HDMI over Fiber outputs</th>
<th>SDVoE outputs</th>
<th>Output Filler</th>
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<td><strong>Ref. ACC-AQL-OUT-SDVOE</strong></td>
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</table>

- Compatible with HD-SDI, 3G-SDI (level A & B) and 6G-SDI
CONTROLLERS

RC400T - REF. RC400T

- New event controller for the LivePremier™ multi-screen live presentation systems
- Heavy-duty design
- Designed for fault-free operation
- Instant access to crucial functionalities
- High resolution T-Bar
- Three-axis joystick for easy and fast PIP sizing/positioning
- 48 user-programmable buttons with customizable LCD displays
- 8 user-assignable custom function buttons

CONTROL BOX³

- Compact solution to easily control live events
- Compatible with LivePremier™ series and Midra™ 4K series
- Heavy-duty extruded aluminum case
- T-Bar for manual smooth transitions

SHOT BOX²

- Cost effective solution to control the presets
- Compatible with LivePremier™, LiveCore™ and Midra™ 4K series
PROTECTIVE CASE FOR AQUILON – REF. ACC-AQL-HARD-CASE

- Protective hard case for Aquilon
- Compatible with LivePremier™ series (4RU and 5RU chassis)
- Oversized heavy-duty handles and wide-set double wheels
- Shock-absorbent shell
- High density XLPE protective foam
- Foam tray on top to hold accessories and cables

ACCESSORIES

DPH104 - REF. DPH104

- 4K video wall processor for Analog Way LivePremier™ presentation systems and Picturall™ media servers
- Easily drive four independent full HD displays from one single 4K60 video signal
- No software, no configuration, zero latency processing
- Compliant with HDR10 and HLG
- Multichannel audio pass-through
- Mounting kit included to accommodate one or two DPH104 devices in one rack (19”) space

DP 1.2 Over Fiber Extender - Ref. EXT-DP12-OPT

The EXT-DP12-OPT is a DisplayPort 1.2 fiber optical extender (transmitter and receiver kit) providing DisplayPort uncompressed signal extension to a range of 200m (655 ft.) over one single SC multi-mode fiber. The EXT-DP12-OPT extender supports real 4K UHD (3840x2160 or 4096x2160@60Hz) resolution and a video bandwidth up to 216 Gbps. Its compact design makes it ideal to fit in various installation environments or live events.
FULL 4K HDMI 2.0 COMPATIBLE OPTICAL RECEIVER/TRANSMITTER

- Single fiber port (standard SC connector)
- Fully compatible with HDMI 2.0
- Uncompressed video up to 18 Gbps bandwidth
- True 4K60 4:4:4 performance
- Status LED for easy troubleshooting
- HDR compliant with HDR10 and HLG
- High Frame Rate up to 144Hz
- Supports up to 8 embedded audio channels per output (PCM)
- EDID management
- Compliant with HDCP 1.4 and HDCP 2.2
- Ruggedized design
- Also compatible with LivePremier HDMI 2.0 over fiber I/O cards

RACK-MOUNTABLE POWER TRAY FOR OPTICAL EXTENDERS

- Up to 8 or 16 optical extenders in the tray
- Any combination of transmitters and receivers
- Three types of connectors depending of reference: SC, Neutrik opticalCON Duo and Quad
- Status LED for 5V DC power feedback
- Inner optical cables numbered for easy identification and installation
- Independent powering of each USB port
- Protection against overload and short circuit
- Noiseless passive cooling
- Ruggedized design

Ref. OPT-POWERTRAY-SC
Ref. OPT-POWERTRAY-NTQ
Ref. OPT-POWERTRAY-NTD
High performance 12G/6G/3G/HD/SD-SDI optical receivers/transmitters allowing the transport of 4K60 4:2:2 10-bit signals over distances up to 20km using a single-mode fiber optic cable.
<table>
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<tr>
<th>References</th>
<th>Aquilon RS4</th>
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(1) On compliant connectors
(2) Feature not available in version 1.0
(*) Available separately as accessories
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<td>Enhanced layer border &amp; shadow</td>
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<tr>
<td>Transitions: Cut, Fade, Slide, Wipe, Circle, Stretch</td>
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<td>Layer effects: Background cut, Transparency, Luma/Chroma key, DSK, H&amp;V Flip, Cut and Fill</td>
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<td>Color effects: B&amp;W, Negative, Sepia, Solarize</td>
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(1) On compliant connectors
(2) Feature not available in version 1.0
(*) Available separately as accessories
Analog Way’s Aquilon C+ Powers Visualization and Immersive Studio at New Jersey's Kean University (USA)

Analog Way Aquilons Drive Massive Screens at Circa Resort & Casino’s New Sportsbook and Pool Venues (USA)
TruPixel Deploys Analog Way’s Aquilon RS2 to Drive Array of High-Tech Displays On Set for Telemundo’s Decision 2020 Election Coverage (USA)

Analog Way Picturall Pro Media Servers and Aquilon C+ Power “The Link” Digital Art Installation at Choctaw Casino & Resort (USA)
Evolve Technology Offers Customers HDR Capabilities With Version 2 Firmware Update for Analog Way’s Aquilon RS2 and RS4 Systems (USA)

Portugal’s AVK Installs Analog Way’s Aquilon RS4 to Drive Multiple LED Displays and Streaming in New Hybrid Studio
JCM Global® Chooses Analog Way’s Aquilon C+ to Drive Three Rooms of Displays at New Desert Diamond West Valley Casino

David Niles Upgrades Philadelphia’s The Comcast Experience with 27 Million Pixel LED Videowall With Analog Way’s Aquilon C+ and Picturall Pro Media Servers
Analog Way’s Aquilon C Processor Drives New 8th Avenue Rooftop LED Spectacular for SNA Displays in New York (USA).

JCM Global® Chooses Analog Way’s Aquilon C+ to Drive Three Rooms of Displays at New Desert Diamond West Valley Casino in Glendale (USA).
Analog Way’s Aquilon RS2 Drives Videowalls at Walmart’s JIA 2020 Event in Mexico.

Colt Technology Services’ Annual Global Sales Kick Off 2020 in Berlin Uses Analog Way Aquilon RS3 to Drive Impressive 28m Ultra-Widescreen LED Wall (Germany).
SOME APPLICATIONS

NATO's Cyber Security Conference NIAS 2019 Uses Analog Way Aquilon RS2 to Drive Plenary Session’s Widescreen Projection (Belgium).

Brill AV Delivers Analog Way Aquilon Solution for High-Resolution LED Videowall Content in Paris.
Analog Way’s Aquilon RS4 Drives Big Screens at BIG 2019 Innovation Conference in Paris.

The conference and gala dinner for PTT Petroleum AGM, Thailand’s premier multinational energy company, became the first event in the country to use Analog Way’s new Aquilon RS2 to drive a massive array of LED video displays.
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Photos of the Success Stories : Courtesy of our customers & partners:
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JCM Global® & Choctaw Casino & Resort, Evolve Technology (USA), JCM Global® (USA), The
Comcast Experience designed by David Niles (USA), AVK (Portugal), SNA Displays (USA),
AVS Soluciones Audiovisuales (Mexico), Colt Technology Services (Germany), NSI Agency
(Belgium), Aquila (France), KS Plus Light & Sound System Co., Ltd (Thailand) & Brill Audio
Visual Ltd (Budapest, Hungary)

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