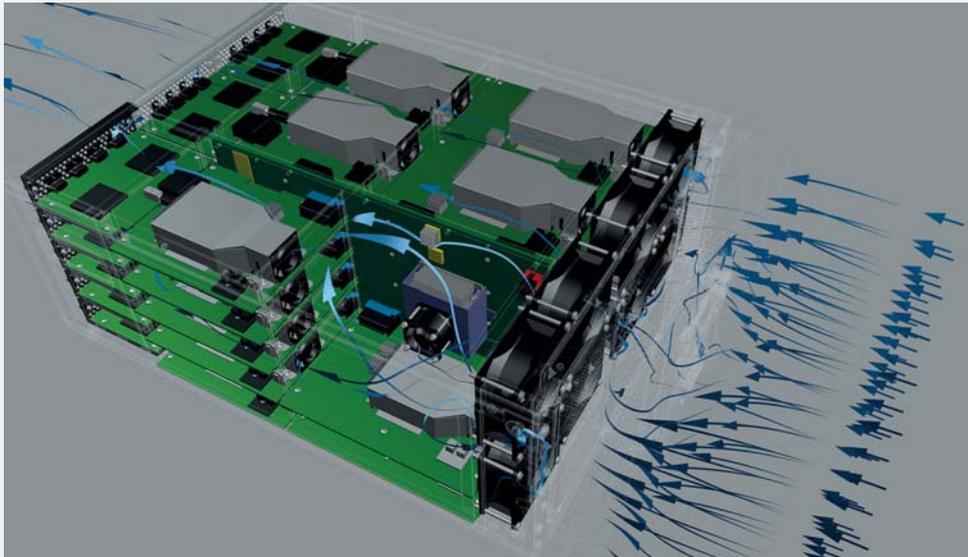# LivePremier™

PRESENTATION SWITCHERS

ANALOG WAY®

LivePremier™ is a full range of modular and scalable 4K/8K/16K multi-screen presentation systems and videowall processors, delivering uncompromising presentation experiences to high-end staging and premium system integration. The **LivePremier™** series comprises seven high-performance pre-configured products (Aquilon RS alpha, RS1, RS2, RS3, RS4, RS5 and RS6) as well as three fully customizable models (Aquilon C, C+ and Cmax) 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 match your source and display requirements. Per chassis, the **LivePremier™** series features up to 32 inputs and 24 outputs configurable as single screens, edge-blended widescreens or scaled auxiliary outputs, 2 dedicated Multiviewer outputs and up to 16x 4K or 32x 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.

SCALABILITY FOR THE LARGEST EVENTS AND INSTALLATIONS

For even more impressive performances, any **LivePremier™** system can be linked to up to 3 other ones of any type and any size, installing a hardware option in the last output slot. The linked system offers up to 64x 4K Program outputs and 16x 4K Auxilary Screens (example of 4 fully loaded **Aquilon Cmax** linked together). Up to 8x 4K or 16x 2K/DL inputs can be shared among the linked units to be displayed anywhere on the multi-chassis pixel canvas. A global multiviewer can be defined to monitor any screens (including multi-chassis screens), auxiliary screens, inputs whatever units they come from. The linked system is controlled by a single web interface, API or console.

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.

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 Q-SYS, AMX and 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 Box³** 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.

WEB RCS: UNRIVALED EASE OF USE
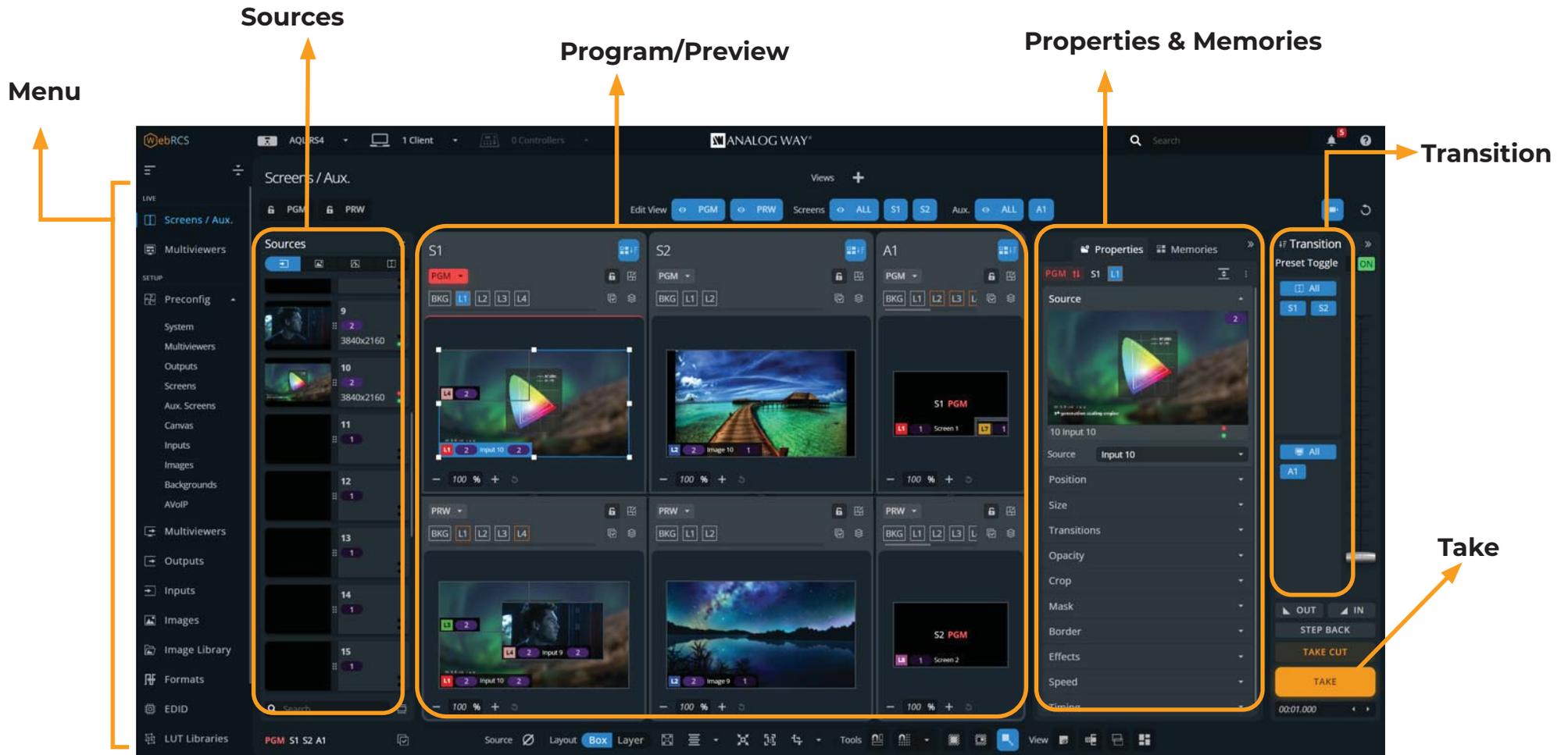
UNRIVALED EASE OF USE

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.

The **Web RCS** is compatible with any device or platform, including iOS and Android devices
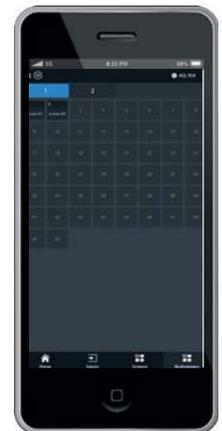
QUICK OVERVIEW

Aquilon models	RS alpha	RS1	RS2	RS3	RS4	RS5	RS6	C	C+	Cmax
4K60p inputs	8	16	16	24	24	32	32	up to 16	up to 24	up to 32
4K60p outputs	4	8	12	12	16	16	20	up to 16	up to 20	up to 24
Max 4K mixing layers	4	4	8	8	12	12	16	up to 8	up to 12	up to 16
Max DL/2K mixing layers	8	8	16	16	24	24	32	up to 16	up to 24	up to 32
Simul. 4K still image channels	12	12	12	24	24	24	24	up to 12	up to 24	up to 24
Build-to-Order (BTO)								✓	✓	✓
Rack units	4	4	4	5	5	6	6	4	5	6

LIVEPREMIER™ MARKETS

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

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

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

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

HEALTHCARE
- Surgery
- Radiologists

HOUSES OF WORSHIP

Aquilon RS6

Aquilon RS5

THE PRODUCTS

Aquilon RS4

Aquilon RS3

Aquilon RS2

Aquilon RS1

THE PRODUCTS

Aquilon RS alpha

Aquilon Cmax

Aquilon C+

Aquilon C

THE PRODUCTS

Cards & Accessories

Aquilon RS6
Ref. AQL-RS6

Mission-critical 4K/8K/16K multi-screen presentation system and videowall processor with 32 inputs and 20 outputs, delivering uncompromising presentation experiences to high-end staging and premium system integration

Aquilon RS6 at a glance :

- 32x 4K60p inputs (16x HDMI 2.0, 8x DP 1.2/4x DP 1.4, 8x 12G-SDI)
- 20x 4K60p HDMI 2.0 outputs
- 160 Mpx throughput at 10-bit 4:4:4 @60Hz on Program
- Up to 16x 4K60p Program outputs or to 20x 2K/Dual-Link@60p Program outputs
- Up to 16x 4K or 32x 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
- 6RU chassis

KEY FEATURES :

- Based on LivePremier™ platform
- Highly ruggedized chassis with cleanable air filter
- Swappable redundant power supplies (2+1)
- 32x 4K60p inputs (16x HDMI 2.0, 8x DP 1.2/4x DP 1.4, 8x 12G-SDI)
- 20x 4K60p active outputs (20x 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 1.2/1.4, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, HDMI 2.0 over fiber, ST 2110, 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)
- 160 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer
- Up to 16x 4K or 32x DL/2K mixing layers per system (32x 4K or 64x 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 32 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
- Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-RSX-LINK)
- 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
- Input backup
- Keying at input and layer levels
- Cut and Fill at input and layer levels
- 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: 51dB average noise at 1m
- Remote services and maintenance
- Backup and restore functions

Aquilon RS5
Ref. AQL-RS5

Mission-critical 4K/8K multi-screen presentation system and videowall processor with 32 inputs and 16 outputs, delivering uncompromising presentation experiences to high-end staging and premium system integration

Aquilon RS5 at a glance :

- 32x 4K60p inputs (16x HDMI 2.0, 8x DP 1.2/4x DP 1.4, 8x 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
- 6RU chassis

KEY FEATURES :

Based on LivePremier™ platform

Highly ruggedized chassis with cleanable air filter

Swappable redundant power supplies (2+1)

32x 4K60p inputs (16x HDMI 2.0, 8x DP 1.2/4x DP 1.4, 8x 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 1.2/1.4, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, HDMI 2.0 over fiber, ST 2110, 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)

160 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 32 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

Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-RSX-LINK)

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

Input backup

Keying at input and layer levels

Cut and Fill at input and layer levels

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: 50.5dB average noise at 1m

Remote services and maintenance

Backup and restore functions

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 DP 1.4, 4x 12G-SDI)
- 16x 4K60p active ouputs (16x HDMI 2.0)
- 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

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 DP 1.4, 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 1.2/1.4, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, HDMI 2.0 over fiber, ST 2110, 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

Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-RSX-LINK)

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

Input backup

Keying at input and layer levels

Cut and Fill at input and layer levels

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 DP 1.4, 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 DP 1.4, 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 1.2/1.4, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, HDMI 2.0 over fiber, ST 2110, 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
- Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-RSX-LINK)
- 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
- Input backup
- Keying at input and layer levels
- Cut and Fill at input and layer levels
- Fully functional simulator for offline configuration and practice
- EDID management on every input and output
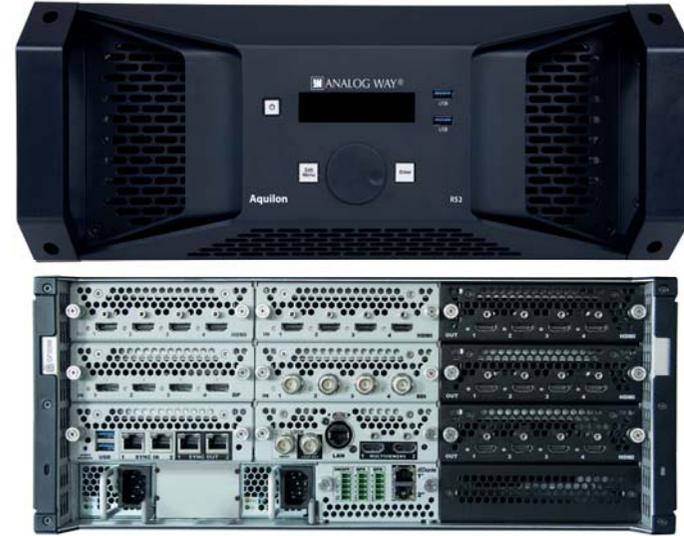- Compatible with HDCP 1.4 and HDCP 2.2
- Future proof modular design
- Quiet: 49dB average noise at 1m
- Remote services and maintenance
- Backup and restore functions

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 1.2/2x DP 1.4, 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 1.2/2x DP 1.4, 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 1.2/1.4, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, HDMI 2.0 over fiber, ST 2110, 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
- Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-RSX-LINK)
- 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
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- 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
- Input backup
- Keying at input and layer levels
- Cut and Fill at input and layer levels
- 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 1.2/2x DP 1.4, 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 1.2/2x DP 1.4, 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 1.2/1.4, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, HDMI 2.0 over fiber, ST 2110, 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

Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-RSX-LINK)

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

Input backup

Keying at input and layer levels

Cut and Fill at input and layer levels

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 1.2/1.4, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, HDMI 2.0 over fiber, ST 2110, 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

Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-RSX-LINK)

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

Input backup

Keying at input and layer levels

Cut and Fill at input and layer levels

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 Cmax
Ref. AQL-CMAX

Fully modular and scalable 4K/8K multi-screen presentation system and videowall processor with up to 32x 4K60p inputs, 24x 4K60p outputs and 12x 4K mixing layers

Aquilon Cmax at a glance :

- 8, 16, 24 or 32 4K60p inputs via 2, 4, 6 or 8 field swappable input connector cards
- From 4 to 24 active 4K60p outputs via 6 field swappable output connector cards
- Full set of I/O cards available featuring HDMI 1.4, HDMI2.0, DP1.2/1.4, 12G-SDI, SFP+, HDMI2.0 over fiber and SDVoE
- Up to 16x 4K60p or to 24x Dual Link @60p Program outputs
- Up to 4 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
- 6RU chassis

KEY FEATURES :

- Based on LivePremier™ platform
- Highly ruggedized chassis with cleanable air filter
- Swappable redundant power supplies (2+1)
- Up to 32x 4K60p inputs and up to 24x 4K60p outputs
- Field-installable input & output connector cards to accommodate a variety of connectivity arrangements
- Full set of I/O cards available featuring HDMI1.4, HDMI2.0, DP1.2/1.4, 12G-SDI, SFP+, 2.5GbE NDI + 12G-SDI, HDMI2.0 over fiber, ST 2110, 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 160 Megapixels throughput at 10-bit 4:4:4 on Program, without restricting Preview or Multiviewer
- Up to 16x 4K or 32x DL/2K mixing layers per system (32x 4K or 64x 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
- Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-AQL-LINK + OPT-AQL-OUT-LINK-QSFP)
- 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
- Input backup
- Keying at input and layer levels
- Cut and Fill at input and layer levels
- 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: 52dB 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, DP1.2/1.4, 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 HDMI 1.4, HDMI2.0, DP1.2/1.4, 12G-SDI, SFP+, 2.5GbE NDI + 12G-SDI, HDMI2.0 over fiber, ST 2110, 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
- Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-AQL-LINK + OPT-AQL-OUT-LINK-QSFP)
- 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
- Input backup
- Keying at input and layer levels
- Cut and Fill at input and layer levels
- 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 layers

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, DP1.2/1.4, 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 HDMI 1.4, HDMI2.0, DP1.2/1.4, 12G-SDI, SFP+, 2.5GbE NDI + 12G-SDI, HDMI2.0 over fiber, ST 2110, 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-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
- Optional expandability via simple linking to up to 3 other LivePremier units (ref. OPT-AQL-LINK + OPT-AQL-OUT-LINK-QSFP)
- Native Dante™ audio networking hardware and support (64x64)
- 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
- Input backup
- Keying at input and layer levels
- Cut and Fill at input and layer levels
- 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

INPUT CARDS

HDMI 2.0 inputs
Ref. ACC-AQL-IN-HDMI

- 4x HDMI 2.0 input connectors, each supporting up to 4K60 8-bit 4:4:4

## HDMI 2.0 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 bit 4:4:4 or 4K60 10-bit 4:2:2 as well as custom resolutions such as extra-wide 8192×1080@60Hz.

8 x HDMI 1.4 inputs
Ref. ACC-AQL-IN-HDMI-1.4

- 4x HDMI 1.4.0 input connectors, each supporting formats up to 4K30 8-bit 4:4:4 or 2560x1600 8-bit 4:4:4
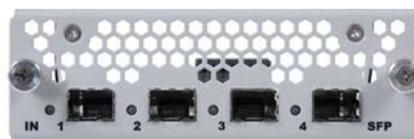
DP 1.2/1.4 inputs
Ref. ACC-AQL-IN-DP
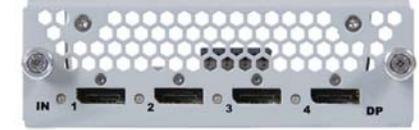
- 4x DisplayPort 1.2 input connectors, each supporting up to 4K60 10-bit 4:4:4 or 2x DisplayPort 1.4 input connectors, each supporting up to 5K60 10-bit 4:4:4 or up to 3840x2160RB 120Hz 8-bit 4:4:4

12G-SDI inputs
Ref. ACC-AQL-IN-SDI

- 4x 12G-SDI input connectors, each supporting up to 4K60 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

2.5GbE NDI-enabled +12G-SDI
Ref. ACC-AQL-IN-IP-SDI-1.4

- 4x 12G-SDI connectors and 2.5GbE NDI-enabled input connector,
- With 2.5GbE network (TCP), support the decoding of Up to 4x 1080p60 8-bit 4:2:2 with alpha channel or up to 3x 2160p60 8-bit 4:2:0

ST 2110 inputs
Ref. ACC-AQL-IN-ST2110

- 2x 25GbE primary and 2x 25GbE secondary SFP28 input ports
- Up to 4x 2160p60 or 8x 1080p60 uncompressed input streams

SDVoE inputs
Ref. ACC-AQL-IN-SDVOE

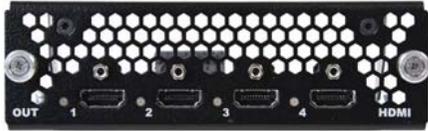- 4 SDVoE Input connectors, each supporting video-over-IP up to 4K60 8-bit 4:4:4

Input Filler
Ref. ACC-AQL-IN-FILLER

- For unequipped input interface slot
- Protect and maintain the unit fully functional

OUTPUT CARDS

HDMI 2.0 outputs
Ref. ACC-AQL-OUT-HDMI

- 4x HDMI 2.0 output connectors, each supporting up to 4K60 8-bit 4:4:4

HDMI 2.0 over Fiber outputs
Ref. ACC-AQL-OUT-HDMI-FBR

- 4x HDMI 2.0 over fiber output connectors, each supporting resolutions up to 4K60 8-bit 4:4:4 or 4K60 10-bit 4:2:2 as well as custom output formats such as 8192×1080@60Hz

DP 1.2/1.4 outputs
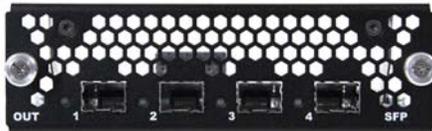## Ref. ACC-AQL-OUT-DP

- 4x DisplayPort 1.2 output connectors, each supporting up to 4K60 10-bit 4:4:4 or 2x DisplayPort 1.4 output connectors, each supporting up to 5K60 10-bit 4:4:4 or up to 3840x2160RB 120Hz 8-bit 4:4:4

12G-SDI outputs
Ref. ACC-AQL-OUT-SDI

- 4x 12G-SDI output connectors, each supporting up to 4K60 10-bit 4:2:2
- Compatible with HD-SDI, 3G-SDI (level A & B) and 6G-SDI

SFP outputs
Ref. ACC-AQL-OUT-SFP

- 4x SFP cages output connectors, each supporting up to 4K60 10-bit 4:2:2

ST 2110 outputs
Ref. ACC-AQL-OUT-ST2110

- 2x 25GbE primary and 2x 25GbE secondary SFP28 output ports
- Up to 4x 2160p60 or 8x 1080p60 uncompressed output streams

SDVoE outputs
Ref. ACC-AQL-OUT-SDVOE

- 4 SDVoE output connectors, each supporting video-over-IP up to 4K60 8-bit 4:4:4

QSFP+ Link Card
Ref.ACC-AQL-OUT-LINK-QSFP

- 6x 40GbE QSFP+ cages (3IN+3OUT))t
- Link up to 4 LivePremier systems (any type, any size)
- Share up to 8x 4K60 10-bit 4:4:4 input or 16x 2K/DL inputs

Output Filler
Ref. ACC-AQL-OUT-FILLER

- For unequipped output interface slot
- Protect and maintain the unit fully functional

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
- Customizable via the WebRCS of LivePremier units

CONTROL BOX³ - REF. SB124T-3

- 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 - REF. SB80-2

- Cost effective solution to control the presets
- Compatible with **LivePremier™**, **LiveCore™** and **Midra™ 4K** series

ACCESSORIES

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

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 21.6 Gbps. Its compact design makes it ideal to fit in various installation environments or live events.

HDMI 2.0 FIBER EXTENDERS & POWER TRAY

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

Ref. EXT-HDMI20-OPT-RX
Ref. EXT-HDMI20-OPT-TX

RACK-MOUNTABLE POWER TRAY FOR OPTICAL EXTENDERS

Ref. OPT-POWERTRAY-SC
Ref. OPT-POWERTRAY-NTQ
Ref. OPT-POWERTRAY-NTD

- 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

SFP MODULES

ST2110 SFP Receiver
Ref. SFP-3G-2110-RX

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
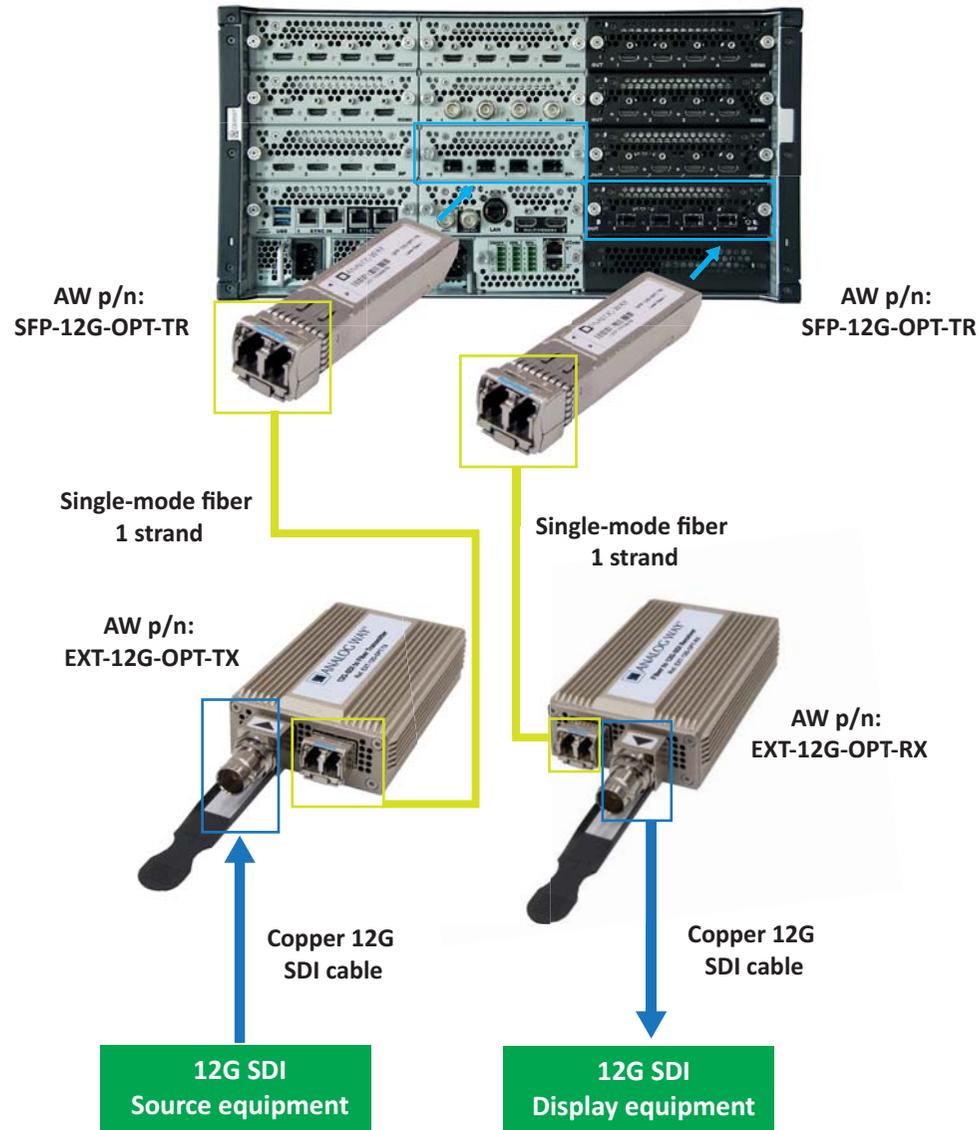
ST2110 SFP Transmitter
Ref. SFP-3G-2110-TX

AW p/n:
SFP-12G-OPT-TR

AW p/n:
SFP-12G-OPT-TR

12G-SDI video SFP+ Receiver
Ref. SFP-12G-BNC-RX

Single-mode fiber
1 strand

Single-mode fiber
1 strand

12G-SDI video SFP+ Transmitter
Ref. SFP-12G-BNC-TX

AW p/n:
EXT-12G-OPT-TX

AW p/n:
EXT-12G-OPT-RX

Single-Mode LC fiber to 12G-SDI Receiver
Ref. EXT-12G-OPT-RX

Copper 12G
SDI cable

Copper 12G
SDI cable

12-SDI to Single-Mode LC Fiber Transmitter
Ref. EXT-12G-OPT-TX

12G SDI
Source equipment

12G SDI
Display equipment

References	RS6	RS5	RS4	RS3	RS2	RS1	RS alpha	Cmax	C+	C
INPUTS	**32**	**32**	**24**	**24**	**16**	**16**	**8**	**From 8 to 64**	**From 8 to 24**	**From 8 to 16**
HDMI 2.0	16	16	12	12	8	8	8	16	[0 ; 24]	[0 ; 16]
DP 1.2/1.4	8/4	8/4	8/4	8/4	4/2	4/2	0*	[0 ; 32]/[[0 ; 16]	[0 ; 24]/[[0 ; 12]	[0 ; 16]/[[0 ; 8]
12G-SDI	8	8	4	4	4	4	0*	[0 ; 32]	[0 ; 24]	[0 ; 16]
8x HDMI 1.4	0*	0*	0*	0*	0*	0*	0*	[0 ; 64]	[0 ; 48]	[0 ; 32]
SFP+	0*	0*	0*	0*	0*	0*	0*	[0 ; 32]	[0 ; 24]	[0 ; 16]
2GbE NDI + 12G-SDI	0*	0*	0*	0*	0*	0*	0*	[0 ; 32]	[0 ; 24]	[0 ; 16]
HDMI 2.0 over Fiber	0*	0*	0*	0*	0*	0*	0*	[0 ; 32]	[0 ; 24]	[0 ; 16]
ST 2110	0*	0*	0*	0*	0*	0*	0*	[0 ; 64]	[0 ; 48]	[0 ; 32]
SDVoE	0*	0*	0*	0*	0*	0*	0*	[0 ; 32]	[0 ; 24]	[0 ; 16]
Filler	0*	0*	0*	0*	0*	0*	0*	[0 ; 32]	[0 ; 24]	[0 ; 16]
HDCP 1.4 [1] & HDCP 2.2 [1][2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OUTPUTS	**20**	**16**	**16**	**12**	**12**	**8**	**4**	**From 4 to 24**	**From 4 to 20**	**From 4 to 16**
HDMI 2.0	20	16	16	12	12	8	4	[0 ; 24]	[0 ; 20]	[0 ; 16]
DP 1.2/1.4	0*	0*	0*	0*	0*	0*	0*	[0 ; 24]/[0 ; 12]	[0 ; 20]/[0 ; 10]	[0 ; 16]/[0 ; 8]
12G-SDI	0*	0*	0*	0*	0*	0*	0*	[0 ; 24]	[0 ; 20]	[0 ; 16]
SFP+	0*	0*	0*	0*	0*	0*	0*	[0 ; 24]	[0 ; 20]	[0 ; 16]
HDMI 2.0 over Fiber	0*	0*	0*	0*	0*	0*	0*	[0 ; 24]	[0 ; 20]	[0 ; 16]
ST 2110	0*	0*	0*	0*	0*	0*	0*	[0 ; 24]	[0 ; 20]	[0 ; 16]
SDVoE	0*	0*	0*	0*	0*	0*	0*	[0 ; 24]	[0 ; 20]	[0 ; 16]
Filler	0*	0*	0*	0*	0*	0*	0*	[0 ; 24]	[0 ; 20]	[0 ; 16]
HDCP 1.4 [1] & HDCP 2.2 [1][2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SCREENS										
Max 4K60 Program outputs	16	12	12	8	8	4	4	16	12	8
Max 2K/DL@60 Program outputs	20	16	16	12	12	8	4	24	20	16
Screen Preset Memories	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Master Preset Memories	500	500	500	500	500	500	500	500	500	500
AUXILIARY SCREENS										
Unused outputs as scaled 4K AUX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAYERS (max)										
5K/4K/Dual Mixing	8/16/32	6/12/24	6/12/24	4/8/16	4/8/16	2/4/8	2/4	Up to 8/16/32	Up to 6/12/24	Up to 4/8/16
5K/4K/Dual Split	16/32/64	12/24/48	12/24/48	8/16/32	8/16/32	4/8/16	4/8/16	Up to 16/32/64	Up to 12/24/48	Up to 8/16/32
Native Background	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flexible Layer Management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IMAGES										
5K/4K/Dual images	12/24/48	12/24/48	12/24/48	12/24/48	6/12/24	6/12/24	6/12/24	Up to 12/24/48	Up to 12/24/48	Up to 6/12/24
Multi-file download via WebRCS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Capture from Live inputs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Available Image slots	200	200	200	200	200	200	200	200	200	200
MULTIVIEWERS										
Dedicated HDMI outputs	2	2	2	2	2	2	2	2	2	2
Max resizable widget per output	64	64	64	64	64	64	64	64	64	64
Built-in clocks, timers & clock down	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multiviewer Preset memories	50	50	50	50	50	50	50	50	50	50
AUDIO										
De-embed audio channels per input	8	8	8	8	8	8	8	8	8	8

(1) On compliant connectors
(2) Feature not available in version 1.0
(*) Available separately as accessories

References	RS6	RS5	RS4	RS3	RS2	RS1	RS alpha	Cmax	C+	C
Embed audio channels per output	8	8	8	8	8	8	8	8	8	8
Native DANTE audio network	64x64	64x64	64x64	64x64	64x64	64x64	64x64	64x64	64x64	64x64
PROCESSING										
Future-proof modular design	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Compliant with HDR10 and HLG [2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High Frame Rate up to 144Hz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Output rotation per 90° [2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bezel Compensation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Soft-Edge blend management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TRANSITION & EFFECTS										
True A/B Mix	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Enhanced layer border & shadow	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Transitions: Cut, Fade, Slide, Wipe, Circle, Stretch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layer effects: Background cut, Transparency, Luma/Chroma key, DSK, H&V Flip, Cut and Fill	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Color effects: B&W, Negative, Sepia, Solarize	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CONTROL										
Web RCS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Shot Box² / Control Box³	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RC400T event controller	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HTTP/HTTPS for Web RCS and REST API	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
REST API and TCP command protocol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Crestron driver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AW Video Compositor for LivePremier™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PLATFORM										
Chassis	6RU	6RU	5RU	5RU	4RU	4RU	4RU	6RU	5RU	4RU
Swappable power supplies	✓ (2+1)	✓ (2+1)	✓ (2+1)	✓ (2+1)	✓ (1+1)	✓ (1+1)	✓ (1+1)	✓ (2+1)	✓ (2+1)	✓ (1+1)
Warranty (+ extension)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

(1) On compliant connectors
(2) Feature not available in version 1.0
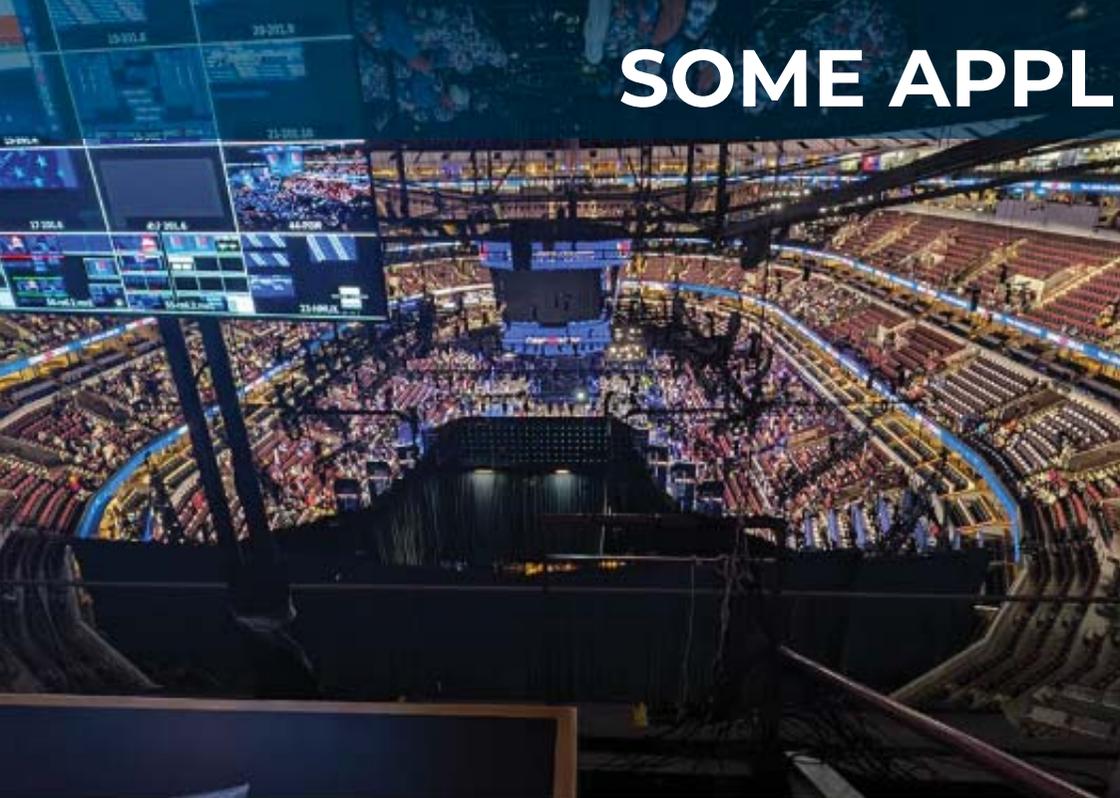(*) Available separately as accessories

SOME APPLICATIONS

Analog Way Aquilon RS4 Drives LED Screens for G.E.M.'s "I Am Gloria" World Tour (China)

Analog Way Aquilon C+ Helps Guus Meeuwis End His Annual "Groots" Concerts in Big Style (Netherlands)

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Analog Way's Aquilon RS6 Gets the Vote of Screens Producer Jason Rudolph for the Democratic National Convention (USA)

Analog Way Aquilon C+ Drives Main Stage Screen at Coachella 2024(USA)

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Analog Way Aquilon RS4 Drives Content for Eric Chou's "Odyssey~Journey" World Tour in Shanghai (China)

Analog Way's Aquilon RS4 Supports Top-Rated "New Year's Eve Gala" on China's Jiangsu Satellite TV (China)

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Analog Way Equipment Plays a Key Role in Content Display at Reply Xchange Milan 2023 (Italy)

Formosa Television Ushers in the New Year with Analog Way's Aquilon RS4 at Gala Kaohsiung Concert (Taïwan)

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Analog Way Aquilon C+ Plays Key Role in VR Automotive Design at Hyundai Motor Europe Technical Center (Germany)

*Analog Way Aquilon C Drives Software Developer's New Executive Briefing Center (USA)*

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Analog Way's Aquilon C+ Drives Massive LED Videowall in the WynnBET Sports Bar at Encore Boston Harbor (USA)

South Korea's Incheon International Airport's Media Tower Upgrades Technology with Analog Way's Aquilon C Presentation System with DPH104 Image Processors (South Corea)

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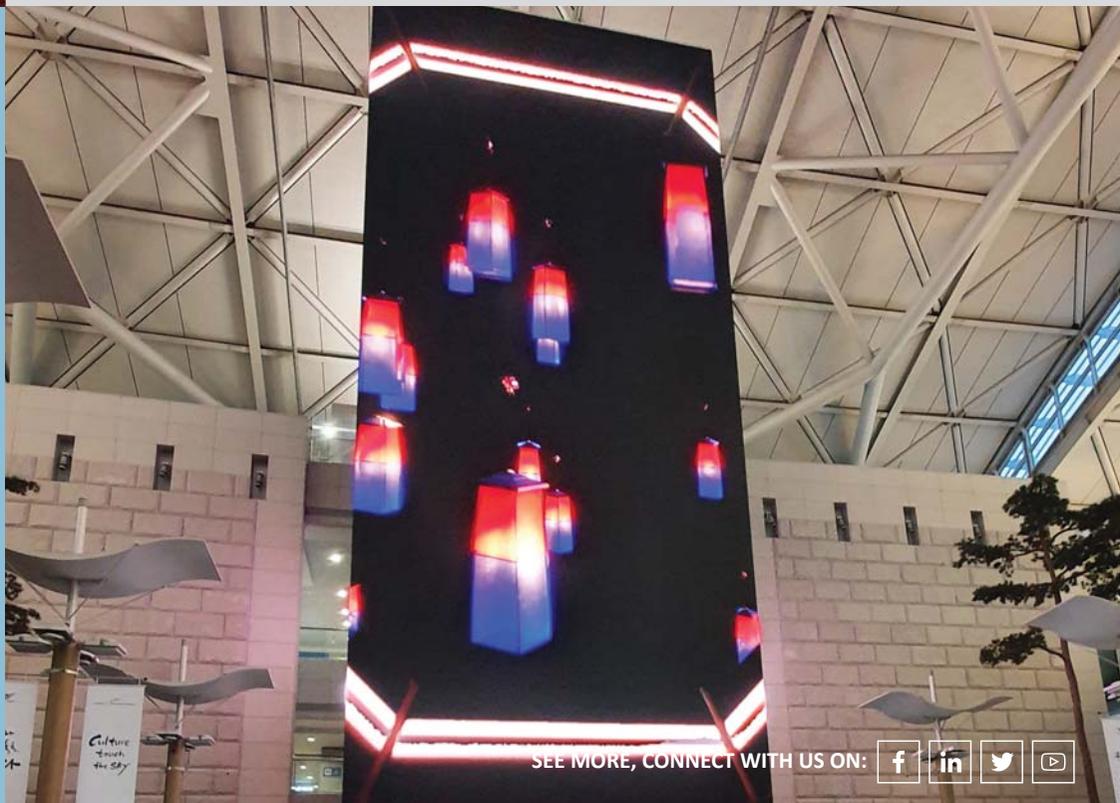
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Analog Way's Aquilon C+ Powers Visualization and Immersive Studio at New Jersey's Kean University (USA)

Analog Way Aquilons Drive Massive Screens at Circa Resort & Casino's New Sportsbook and Pool Venues (USA)

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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)

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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

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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

SOME APPLICATIONS

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).
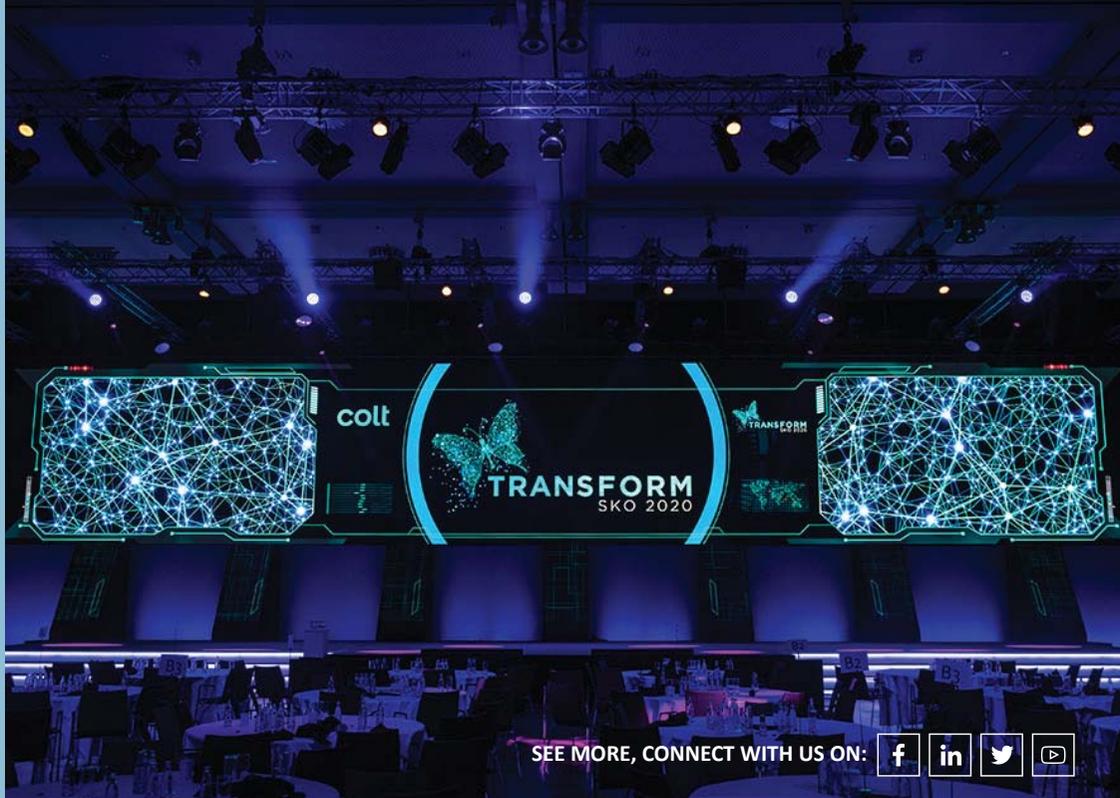
SOME APPLICATIONS

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).

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