



# LivePremier™

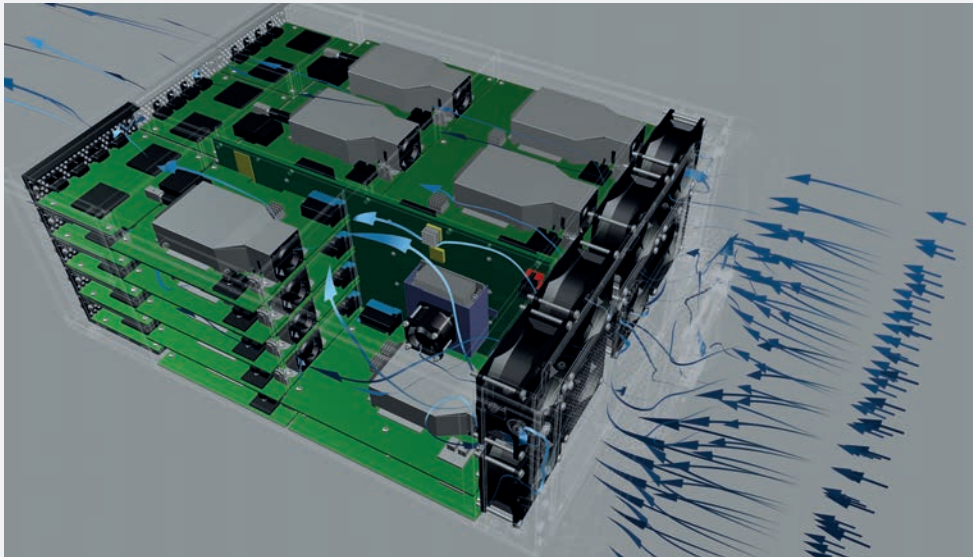
PRESENTATION SWITCHERS

 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 Auxiliary 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

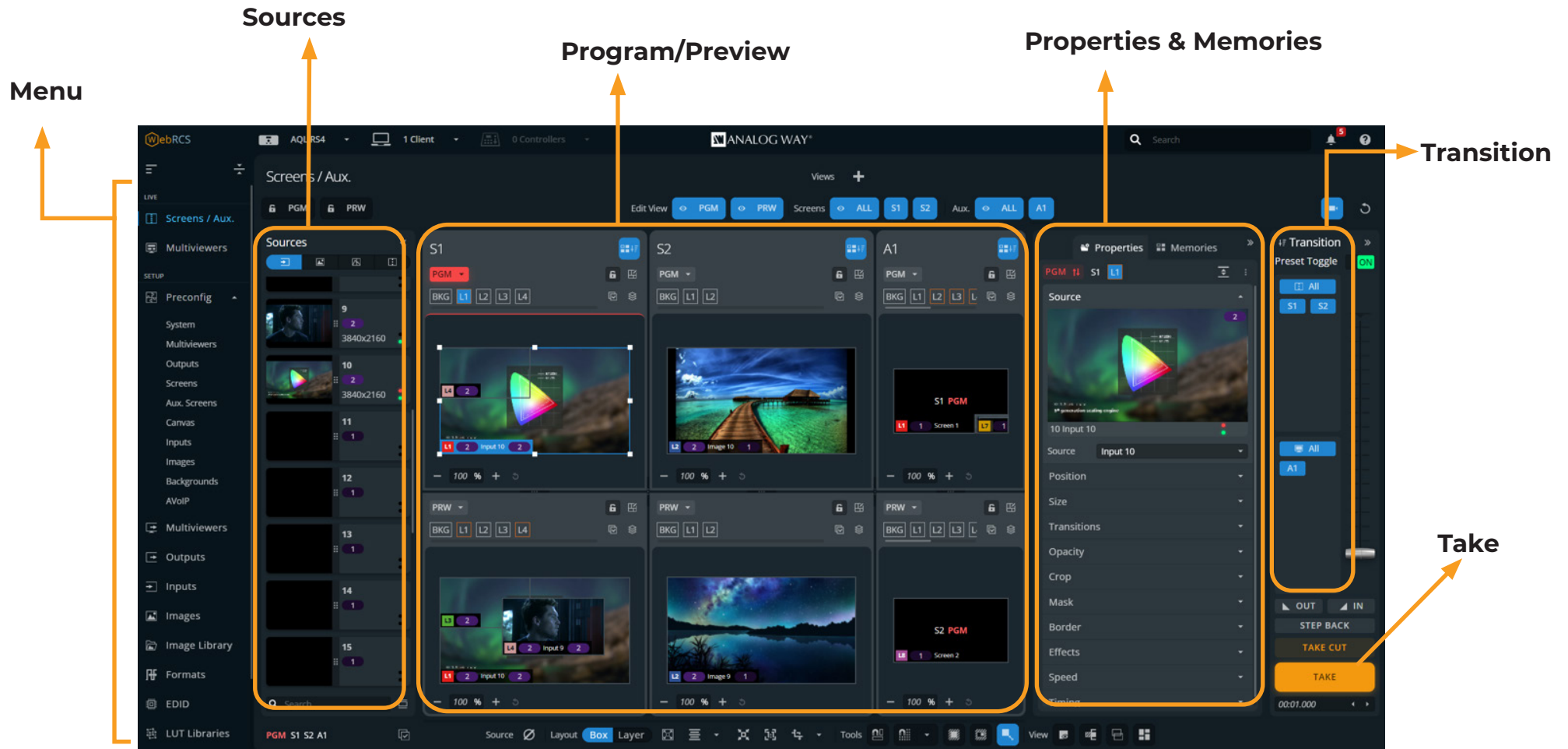
The **LivePremier™** series of products features state-of-the-art real time processing that will help you to unleash all your creative potential and produce flawless, stunning live presentations: true seamless switching, real-time SDR/HDR conversion, flying layer movement, advanced cut and fill, cutting 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.

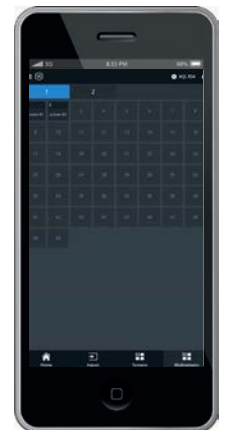
## WEB RCS: UNRIVALED EASE OF USE



## 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, 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, 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, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, 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)

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

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, 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, 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, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, 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)

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

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 12G-SDI)
- 16x 4K60p active outputs (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 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 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, 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

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

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 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 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, 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-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

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

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, 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 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, 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

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

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, 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 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, 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

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

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, 12G-SDI, HDMI 1.4, HDMI 2.0, SFP+, 2.5GbE NDI + 12G-SDI, 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

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

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, 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, 12G-SDI, SFP+, 2.5GbE NDI + 12G-SDI, 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 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

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, 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, 12G-SDI, SFP+, 2.5GbE NDI + 12G-SDI, 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

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

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, 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, 12G-SDI, SFP+, 2.5GbE NDI + 12G-SDI, 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-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°)

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 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 4K60p 8-bit 4:4:4

## HDMI 2.0 over Fiber inputs Ref. ACC-AQL-IN-HDMI-FBR



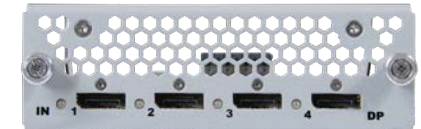
- 4x 4x HDMI 2.0 over fiber input connectors, each supporting formats up to 4K60 8 bits 4:4:4 or 4K60 10 bits 4:2:2 as well as custom resolutions such as extra-wide 8192x1080@60Hz.

## 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 bits 4:4:4 or 2560x1600 8bits 4:4:4

## DP 1.2 inputs Ref. ACC-AQL-IN-DP



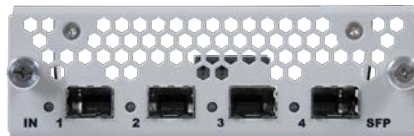
- 4x DisplayPort 1.2 input connectors, each supporting up to 4K60p 10-bit 4:4:4

## 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



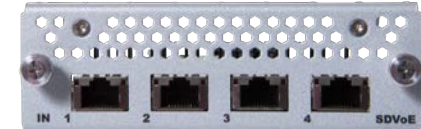
- 4x SFP cages input connectors, each supporting up to 4K60 10-bit 4:2:2

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



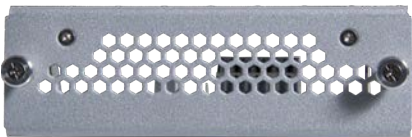
- 4x 12G-SDI connectors and 2.5GbE NDI-enabled input connector,
- With 2.5GbE network (TCP), support the decoding of Up to 4x 1080p60 8-bit 4:2:2 with alpha channel or up to 3x 2160p60 8-bit 4:2:0

## 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

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



- 4x HDMI 2.0 output connectors, each supporting up to 4K60p 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 bits 4:4:4 or 4K60 10 bits 4:2:2 as well as custom output formats such as 8192x1080@60Hz

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



- 4x DisplayPort 1.2 output connectors, each supporting up to 4K60p 10-bit 4:4:4

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



- 4x 12G-SDI output connectors, each supporting up to 4K60p 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

## SDVoE outputs Ref. ACC-AQL-OUT-SDVOE



- 4 SDVoE output connectors, each supporting video-over-IP up to 4K60p 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 10bits 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

## CONTROL BOX<sup>3</sup> - 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 BOX<sup>2</sup> - 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



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

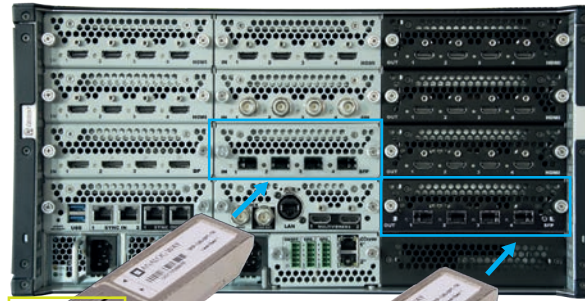


Single-Mode LC fiber to 12G-SDI Receiver  
Ref. EXT-12G-OPT-RX



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

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



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

Single-mode fiber  
1 strand

Single-mode fiber  
1 strand

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

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

Copper 12G  
SDI cable

Copper 12G  
SDI cable

12G SDI  
Source equipment

12G SDI  
Display equipment

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



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



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





# OVERALL COMPARISON

References	RS6	RS5	RS4	RS3	RS2	RS1	RS alpha	Cmax	C+	C
<b>INPUTS</b>	<b>32</b>	<b>32</b>	<b>24</b>	<b>24</b>	<b>16</b>	<b>16</b>	<b>8</b>	<b>From 8 to 64</b>	<b>From 8 to 24</b>	<b>From 8 to 16</b>
HDMI 2.0	16	16	12	12	8	8	8	16	[0 ; 24]	[0 ; 16]
DP 1.2	8	8	8	8	4	4	0*	[0 ; 32]	[0 ; 24]	[0 ; 16]
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]
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 <sup>(1)</sup> & HDCP 2.2 <sup>(1)(2)</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>OUTPUTS</b>	<b>20</b>	<b>16</b>	<b>16</b>	<b>12</b>	<b>12</b>	<b>8</b>	<b>4</b>	<b>From 4 to 24</b>	<b>From 4 to 20</b>	<b>From 4 to 16</b>
HDMI 2.0	20	16	16	12	12	8	4	[0 ; 24]	[0 ; 20]	[0 ; 16]
DP 1.2	0*	0*	0*	0*	0*	0*	0*	[0 ; 24]	[0 ; 20]	[0 ; 16]
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]
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 <sup>(1)</sup> & HDCP 2.2 <sup>(1)(2)</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>SCREENS</b>										
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
<b>AUXILIARY SCREENS</b>										
Unused outputs as scaled 4K AUX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>LAYERS (max)</b>										
4K Mixing	16	12	12	8	8	4	4	16	12	8
4K Split	32	24	24	16	16	8	8	32	24	16
Dual Link Mixing	32	24	24	16	16	8	8	32	24	16
Dual Link Split	64	48	48	32	32	16	16	64	48	32
Native Background	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flexible Layer Management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>IMAGES</b>										
4K images	24	24	24	24	12	12	12	Up to 24	Up to 24	Up to 12
Dual Link images	48	48	48	48	24	24	24	Up to 48	Up to 48	Up to 24
Multi-file download via WebRCS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Capture from Live inputs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Available Image slots	200	200	200	200	200	200	200	200	200	200
<b>MULTIVIEWERS</b>										
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

(1) On compliant connectors

(2) Feature not available in version 1.0

(\*) Available separately as accessories

# OVERALL COMPARISON

References	RS6	RS5	RS4	RS3	RS2	RS1	RS alpha	Cmax	C+	C
<b>AUDIO</b>										
De-embed audio channels per input	8	8	8	8	8	8	8	8	8	8
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
<b>PROCESSING</b>										
Future-proof modular design	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Compliant with HDR10 and HLG <sup>(2)</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High Frame Rate up to 144Hz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Output rotation per 90° <sup>(2)</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bezel Compensation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Soft-Edge blend management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>TRANSITION &amp; EFFECTS</b>										
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>CONTROL</b>										
Web RCS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Shot Box <sup>2</sup> / Control Box <sup>3</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RC400T event controller	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HTTP/HTTPS for Web RCS and REST API	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
REST API and TCP command protocol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Crestron driver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AW Video Compositor for LivePremier™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>PLATFORM</b>										
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 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 (Taiwan)*



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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 Korea)*



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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*



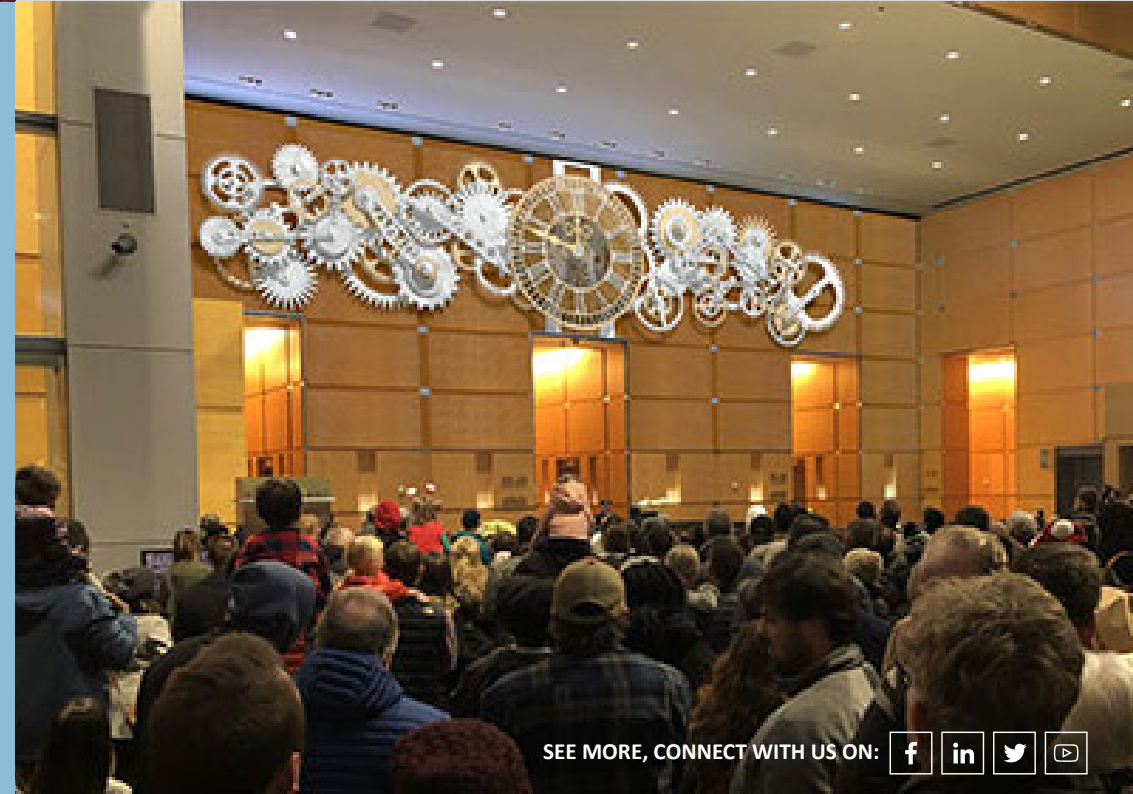
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*JCM Global® Chooses Analog Way's Aquilon C+ to Drive Three Rooms of Displays at New Desert Diamond West Valley Casino*

*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).*



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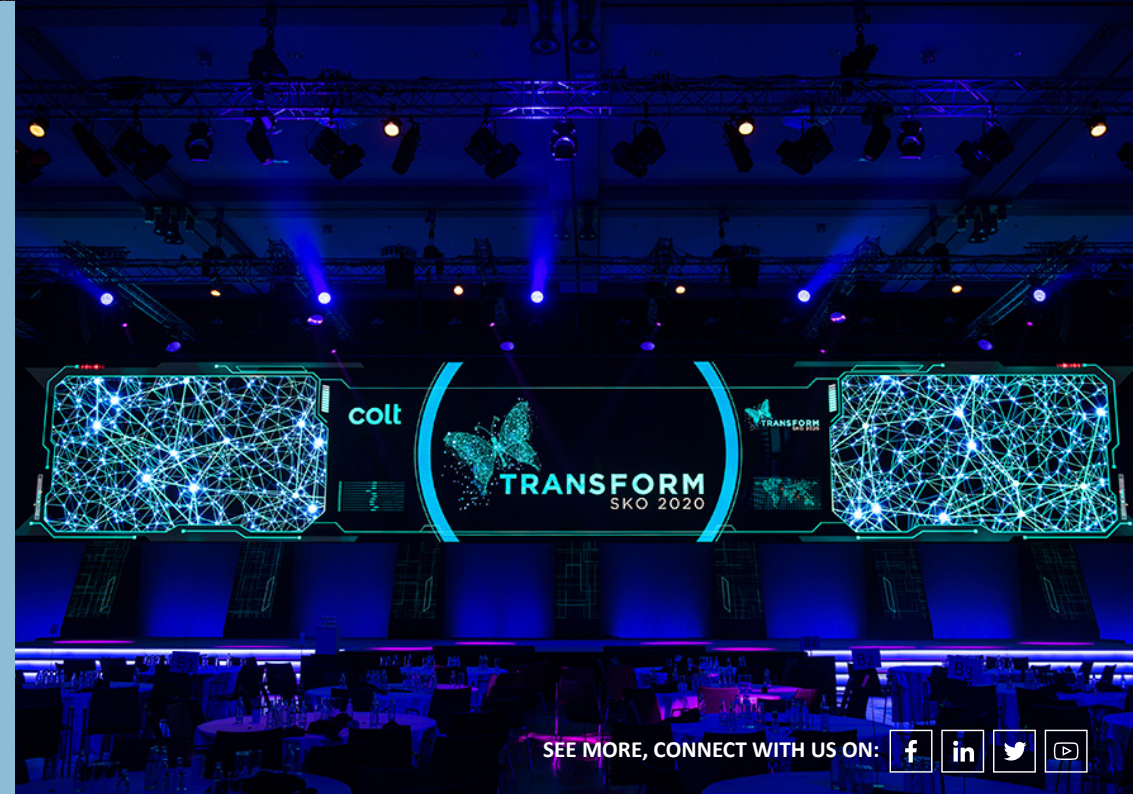


# SOME APPLICATIONS



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

*Brill AV Delivers Analog Way Aquilon Solution for High-Resolution LED Videowall Content in Paris.*





# SOME APPLICATIONS



*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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