

LiveCore™ series



An innovative range of Premium Multi-screen Seamless Switchers



ANALOG WAY®
Pioneer in Analog, Leader in Digital



Ready for flawless visual experiences

Conceived and designed after careful analysis of the creative needs of live events professionals, **Analog Way's** new **LiveCore™** series combines high processing capabilities with smart functionalities to produce impressive shows.

Here are their main strengths:

- ▶ Ruggedized and heavy-duty design to fit with the most demanding applications
- ▶ Versatile connectivity to be ready for any configuration
- ▶ State-of-the-art processing to create impressive visual shows
- ▶ Operator-friendly and intuitive User Interface to ensure flawless control of presentations
- ▶ Communicative architecture for advanced collaborative operation and remote services.

Connect with us on www.analogway.com or follow us



Rugged and heavy-duty design

Built on Analog Way's long history in live events and field operations, the LiveCore™ series was designed to deliver optimized uptimes and durability.

Robust mechanical framework

The LiveCore™-based systems' reinforced metal chassis offers rigidity and strong shock resistance. Its innovative construction provides excellent protection to both internal hardware and rear connectors. Front and rear rackrail mounts are available for durable and stable integration.



Field Proven Reliability for NeXtage 16!

After a 2175 mile race at the 2013 "Rallye Aïcha des Gazelles Morocco", the NeXtage 16 perfectly withstood the most extreme conditions of transport: vibrations, bumps, dust, heat, etc.

Advanced cooling system

The body of the LiveCore™-based processors were designed to optimize air circulation and components' cooling. The hardware was oversized to prevent heating, and fitted with a remote temperature monitoring system.

High quality standards

Designed and produced in Western Europe, the LiveCore™ series is made of carefully qualified high grade components and subassemblies.

It complies with the latest international safety and environmental regulations, including UL and CE certifications.



Versatile connectivity



To fit a variety of applications, the LiveCore™ platform offers versatile connectivity and an extensive set of formats.

Extensive choice of input plugs



Ascender 48 can switch between any input plug with up to 42 sources connected simultaneously.

The device can handle any source from composite video, up to dual link 2560x1600.

Test patterns help identify both inputs and outputs for easy management of elements.

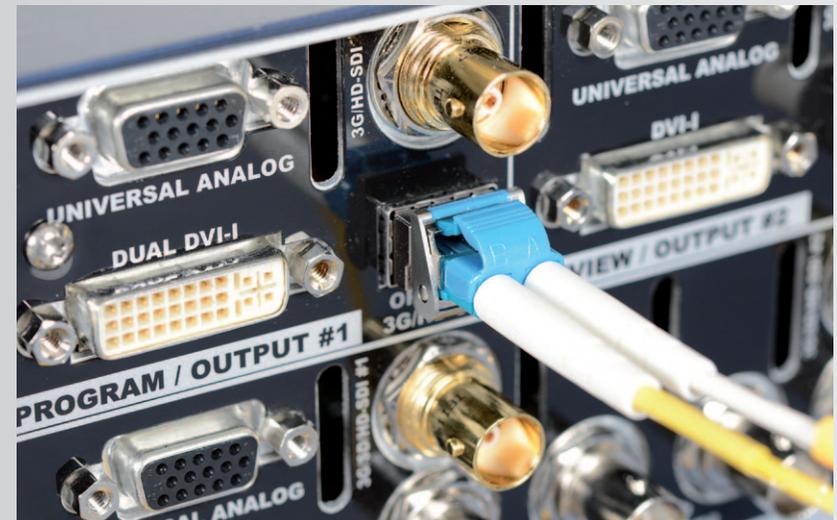
Versatile outputs

Through its included SFP (small form-factor pluggable) Cage, the **Ascender 48** can receive a large choice of Video SFP optical modules per output.

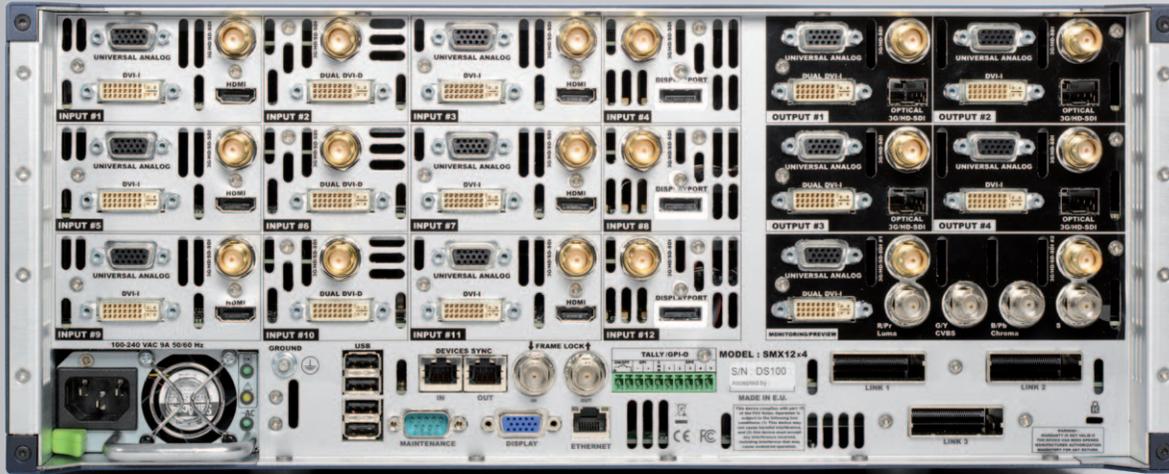
Optical link is immune to environmental signal noise.

Detachable optical modules greatly simplify installation and maintenance.

The **Ascender 48** can output a variety of formats, including Analog HD-TV and Computer format up to 2560x1600 or ultra-HD/4K.



Ascender 48, Ascender 32 & SmartMatrix Ultra



12 seamless inputs and 42 input plugs:

- 6 x HDMI
- 9 x DVI-I (3 DVI Dual Link included)
- 3 x DisplayPort (4-Lanes)
- 12 x 3G/HD/SD-SDI
- 12 x Universal Analog (6 x HD15 & 6 x DVI-A)

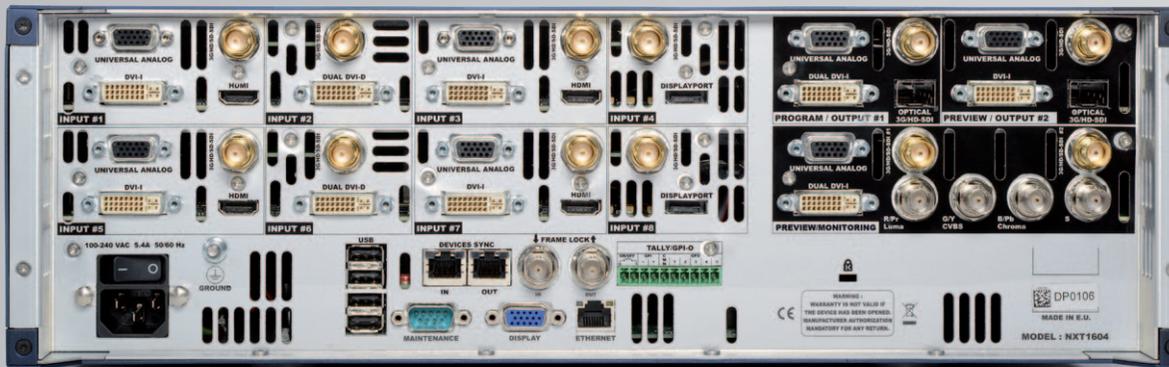
4 outputs with 5 output plugs:

- Universal Analog (HD15 & DVI-A)
- DVI-I (DVI Dual Link available on outputs #1 & #3)
- 3G/HD/SD-SDI
- Video Optical SFP module cage.

1 Preview with 4 output plugs:

- Dual Link DVI-I (DVI-I)
- Universal Analog (HD15)
- 3G/HD/SD-SDI (2 x BNC)
- Analog SDTV (4 x BNC: YUV, RGBS, YC & Comp)

NeXtage 16



8 seamless inputs and 28 input plugs:

- 4 x HDMI
- 6 x DVI-I (2 DVI Dual Link included)
- 2 x DisplayPort (4-Lanes)
- 8 x 3G/HD/SD-SDI
- 8 x Universal Analog (4 x HD15 & 4 x DVI-A)

2 outputs with 5 output plugs:

- Universal Analog (HD15 & DVI-A)
- DVI-I (DVI Dual Link available on output #1)
- 3G/HD/SD-SDI
- Video Optical SFP module cage.

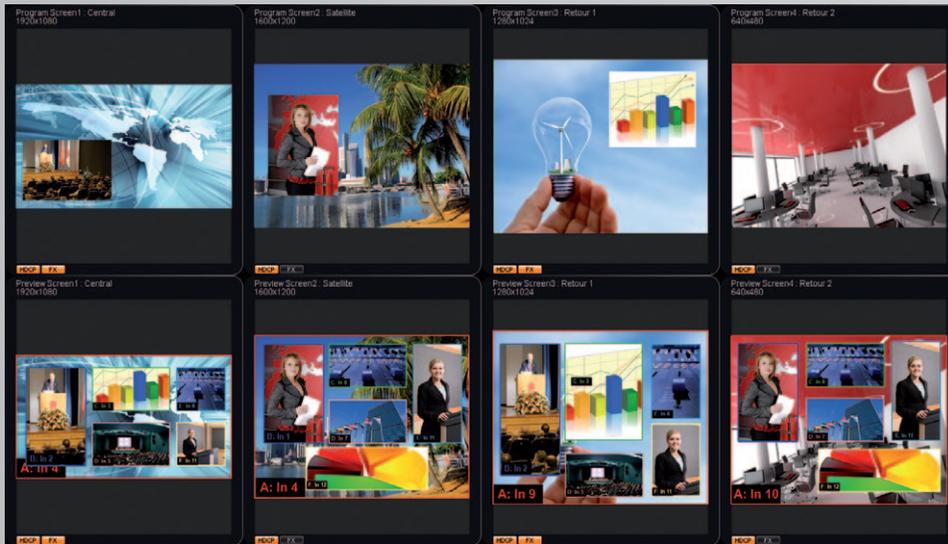
1 Preview with 4 output plugs:

- Dual Link DVI-I (DVI-I)
- Universal Analog (HD15)
- 3G/HD/SD-SDI (2 x BNC)
- Analog SDTV (4 x BNC: YUV, RGBS, YC & Comp)



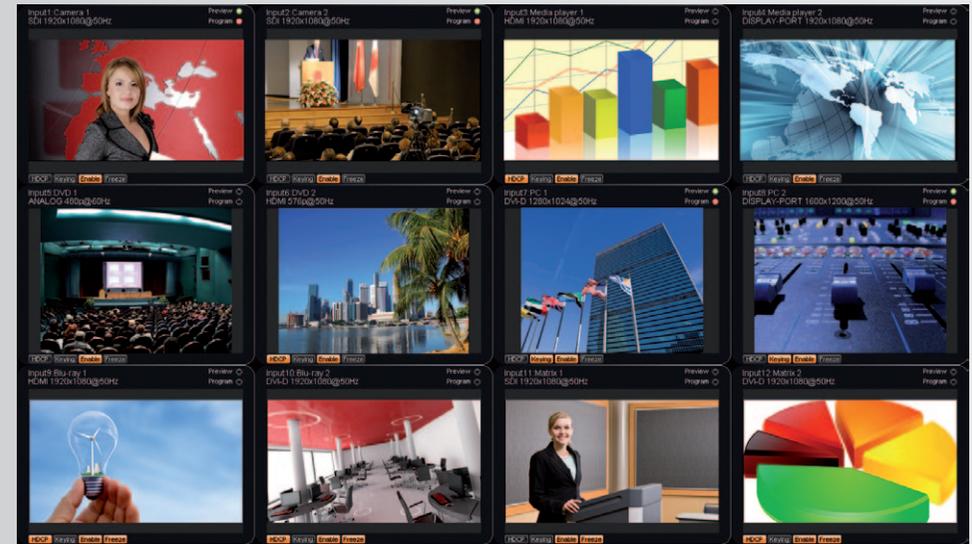
Independent monitoring output

In addition to its main outputs, the **LiveCore™** series features an independent Dual-Link output for monitoring purposes. This specific output offers versatile display options, ensuring safe monitoring and flawless show control.



► Full Preview

In this configuration, the **LiveCore™**-based systems offer a full Preview of the content displayed on the Program. All PIPs remain available on the Preview no matter the display system used. Based on this Preview, operators can see all their sources and create complex presets with total peace of mind.



► Live Mosaic

The Mosaic Preview allows visualization of up to 12 input sources on the screen. All images are live and can be labelled through Web Remote Control Software. Additional information on each source is also available directly on the different live pictures.



► Monitoring

The monitoring mode mixes the full Preview and the live Mosaic displays. A variety of display configurations is available so that operators can arrange and customize the elements of their shows as wanted.

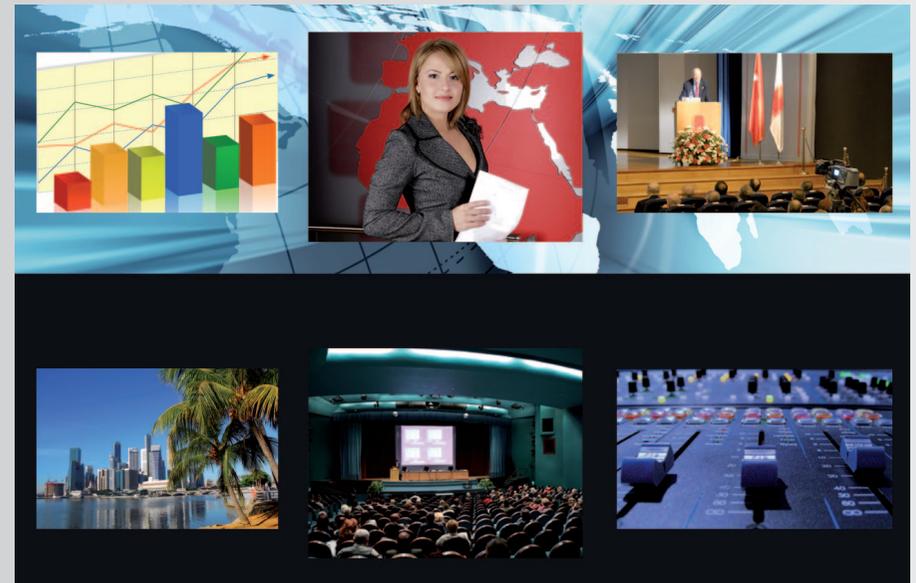
Confidence monitor

One of the outputs of the **LiveCore™**-based units can be used as a Confidence monitor for the speaker. With different display possibilities, this monitor can show the Program and the sources. This option will be valuable to speakers to easily keep their presentation flow under control.



► Recording

The independent output can also be used to record a specific input, or record the show live on a specific output if previewing is not necessary.



Creative display configurations for impressive presentations

Because the creativity of show producers has no limit, staging companies must be ready for a variety of presentations and events.

On top of its versatile connectivity, the LiveCore™ platform offers powerful operating modes enabling the management of a great variety of display layouts to answer the needs of most presentations.

Mixer configuration

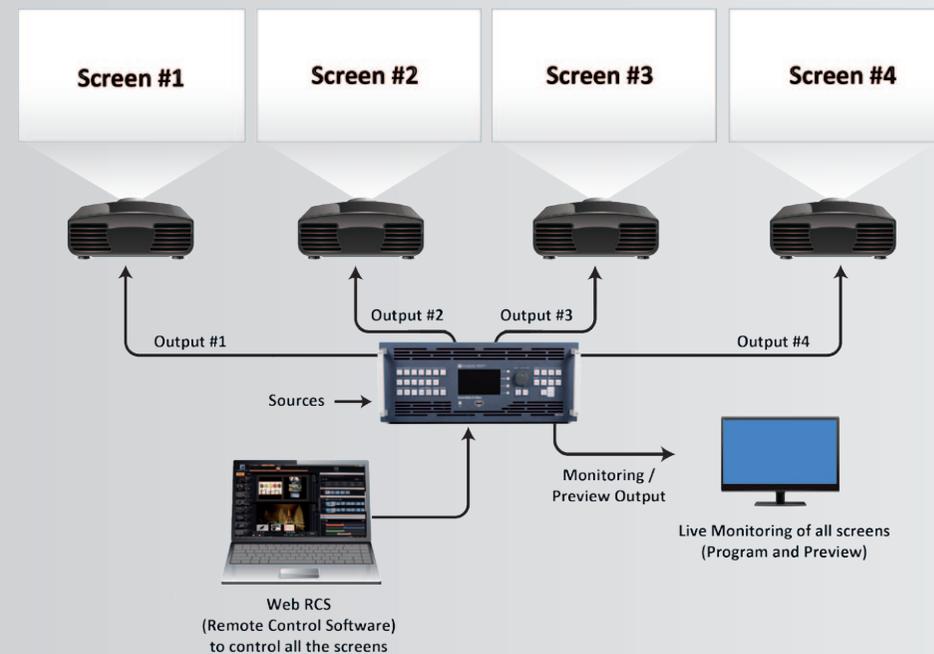
Used as a Mixer, the **NeXtage 16** can display one native background and up to 4 true-seamless layers. This mode allows a real Preview output which can have a format & rate different from the Program.



Multi-screen configuration: mixer mode

Used as a mixer, **SmartMatrix Ultra** can display one native background and up to 2 true-seamless layers per output.

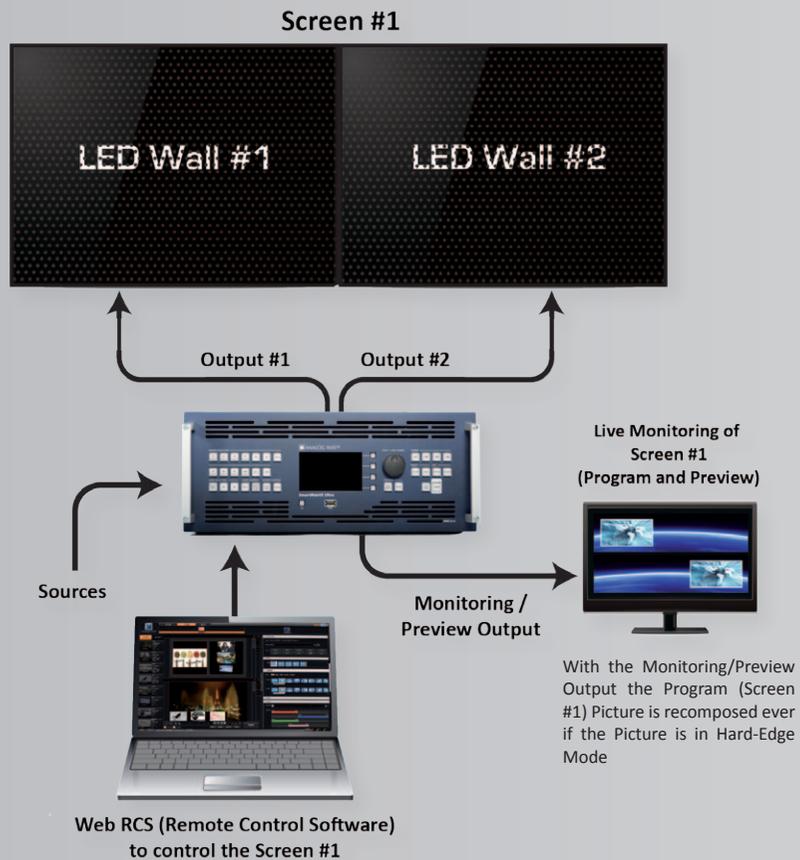
This mode allows the management of four independent screens in a true A/B mix mode with a live preview of all screens.



Hard Edge configuration

Wide display presentations can be achieved through Hard Edge mode. This mode is of interest for wide applications using LED walls.

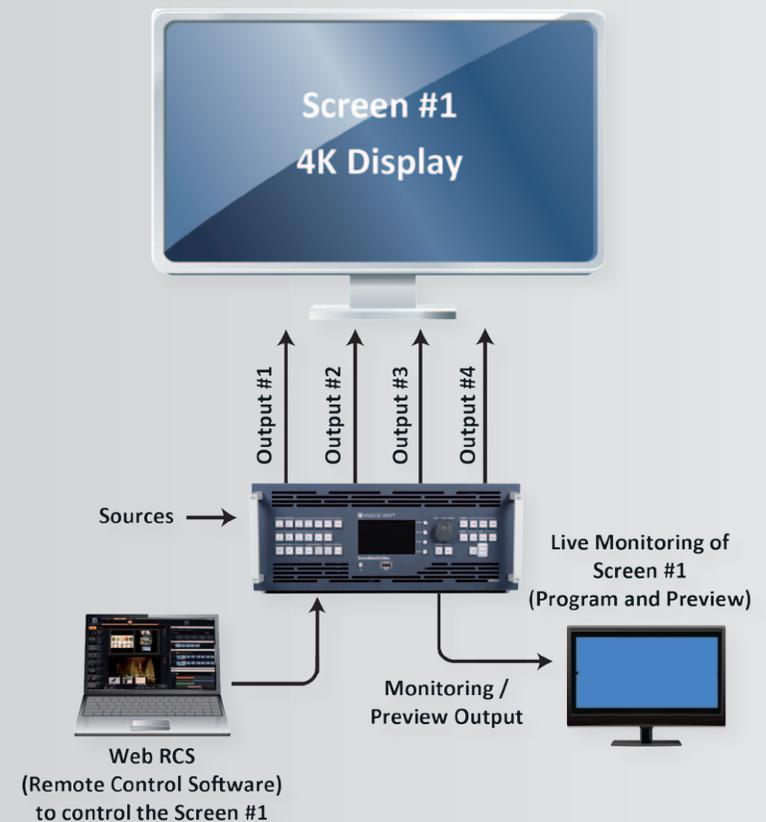
In this case, images are configured edge to edge, with no overlapping area. Hard edge can be operated vertically or horizontally. In this mode, the Preview is displayed on the monitoring output. The Preview can show the whole Hard Edge Screen.



4K Display

The **SmartMatriX Ultra, Ascender 32 & Ascender 48** allow the display of up to 4K Resolution using video projectors or flat screens.

The connectivity can be done in 4 x 3G-SDI or 4 x DVI-D.

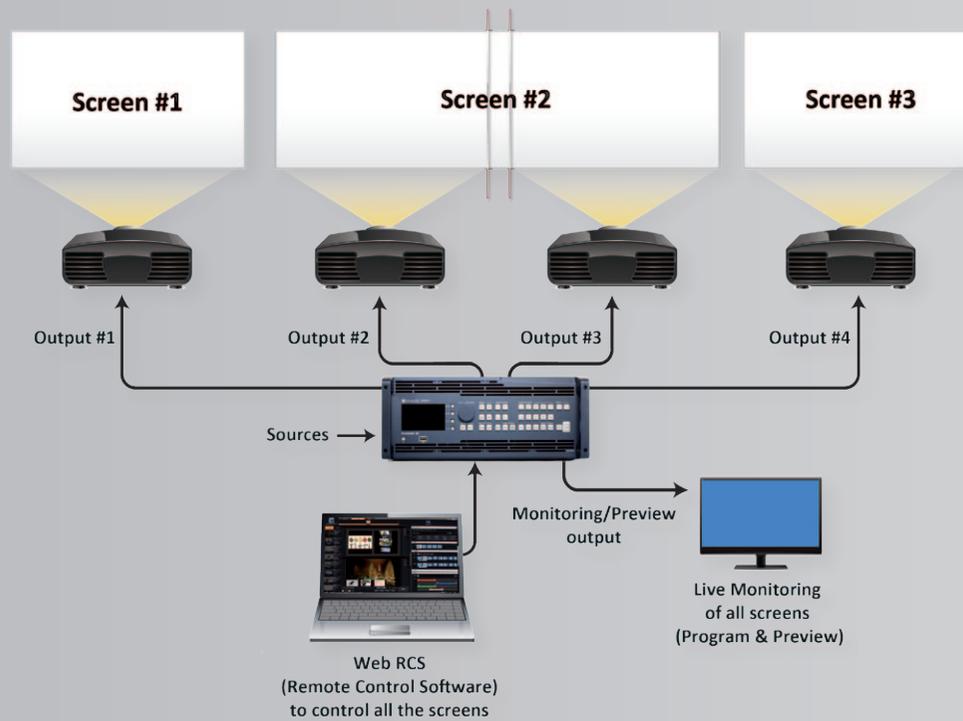




Multi-screen configuration: Soft Edge

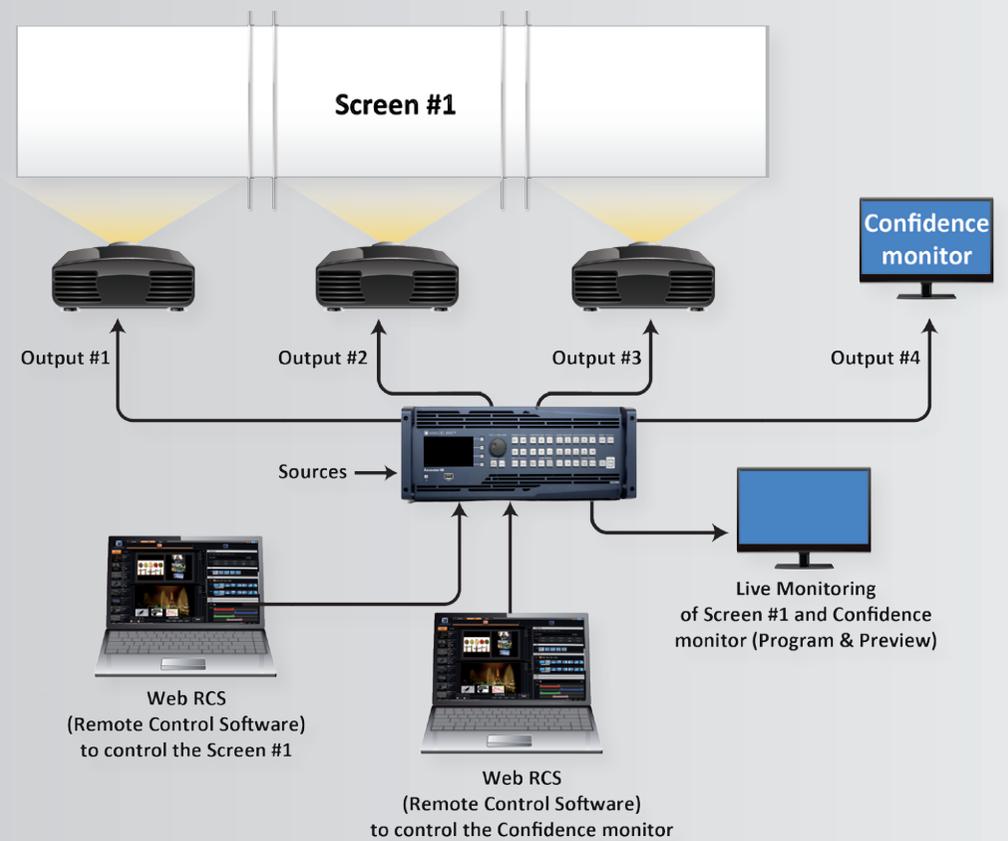
Used as mixers, **Ascender 32 & Ascender 48** can display one native background and up to 4 or 6 true-seamless layers per output.

This mode allows a management of three independent screens in a true A/B mix mode with a live preview of all screens.



Soft Edge config. with one output used as Confidence monitor

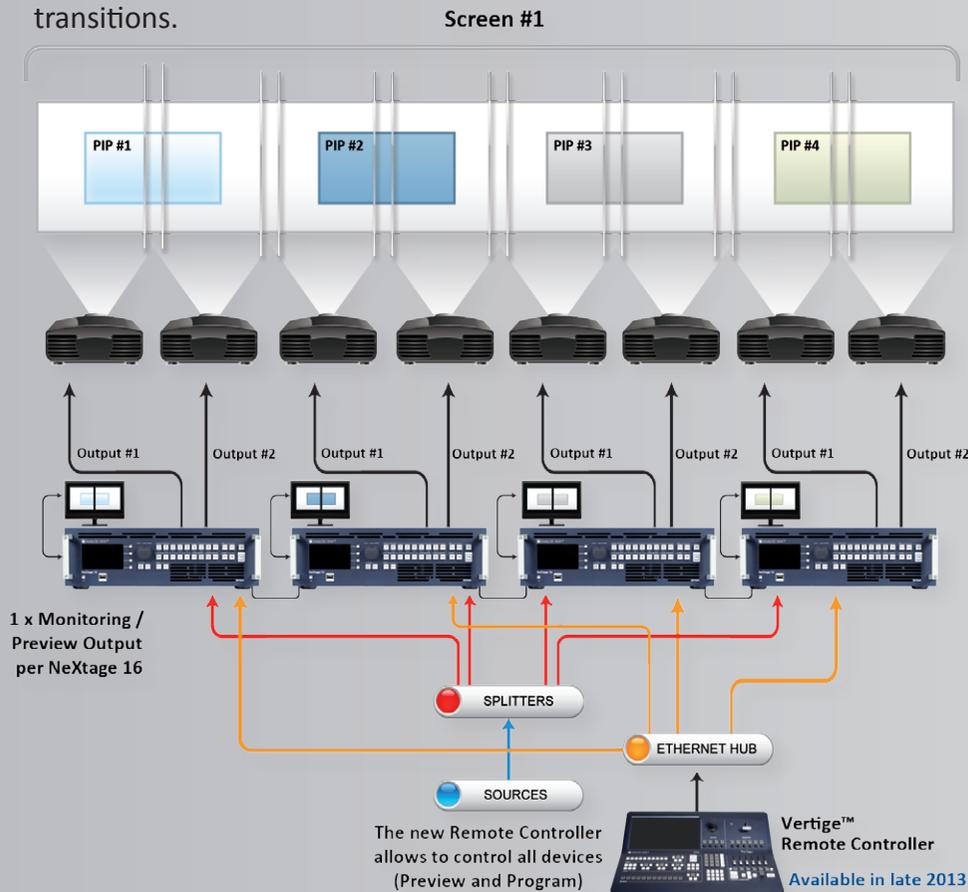
The **NeXtage 16, Ascender 32 and Ascender 48** allow creation of wide displays through Soft Edge Blending. With **Ascender 32 & Ascender 48**, wide screen projections are possible with capability to have one or several outputs declared as a Confidence monitor.



Associative modularity

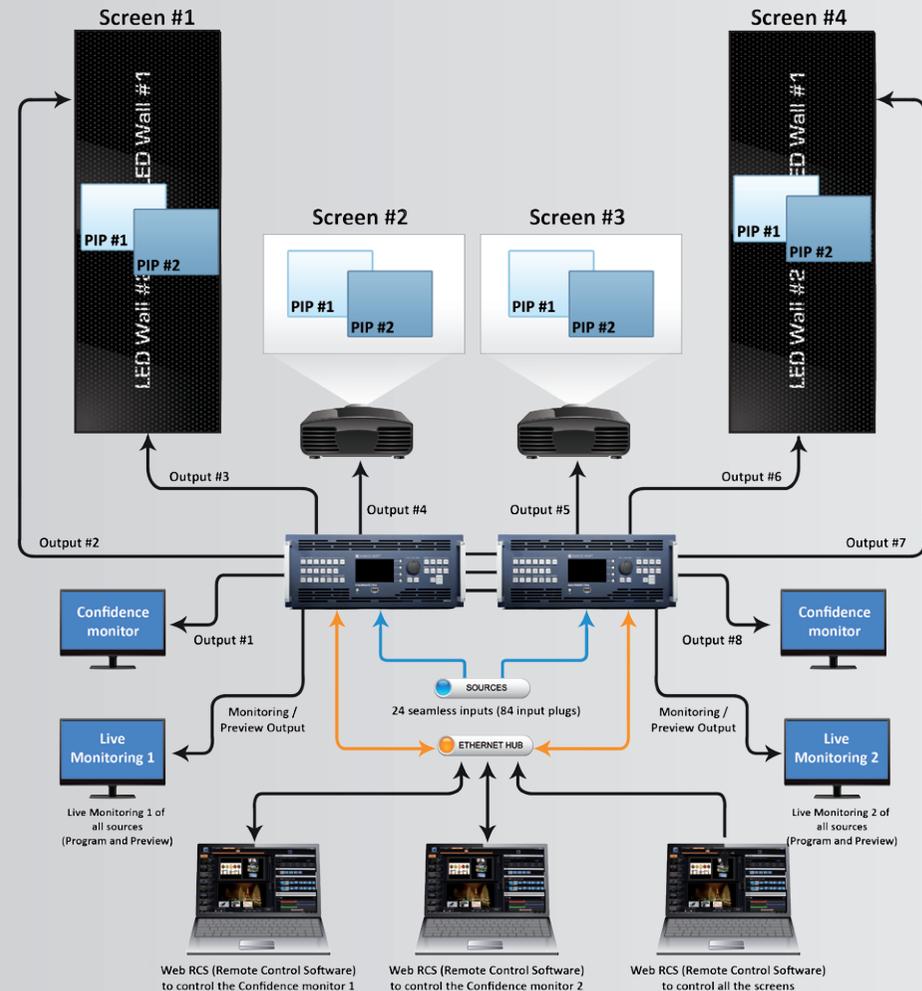
For even more impressive shows, 2, 3 or 4 units of **NeXtage 16** can be linked together. In this configuration, wide displays can be achieved, either horizontally, vertically, or both.

To control several units of **NeXtage 16** together, **Analog Way's** new Event Controller **Vertige™** is required, enabling outstanding visual effects and transitions.



Additive modularity

For even more impressive presentations, 2 units of **SmartMatrix Ultra, Ascender 32** or **Ascender 48** can be linked together. In this configuration, inputs and outputs are shared and added resulting in impressive 24x8 scaled seamless matrix systems + 2 mosaic previews. The wide displays can be achieved, either horizontally, vertically, or both.

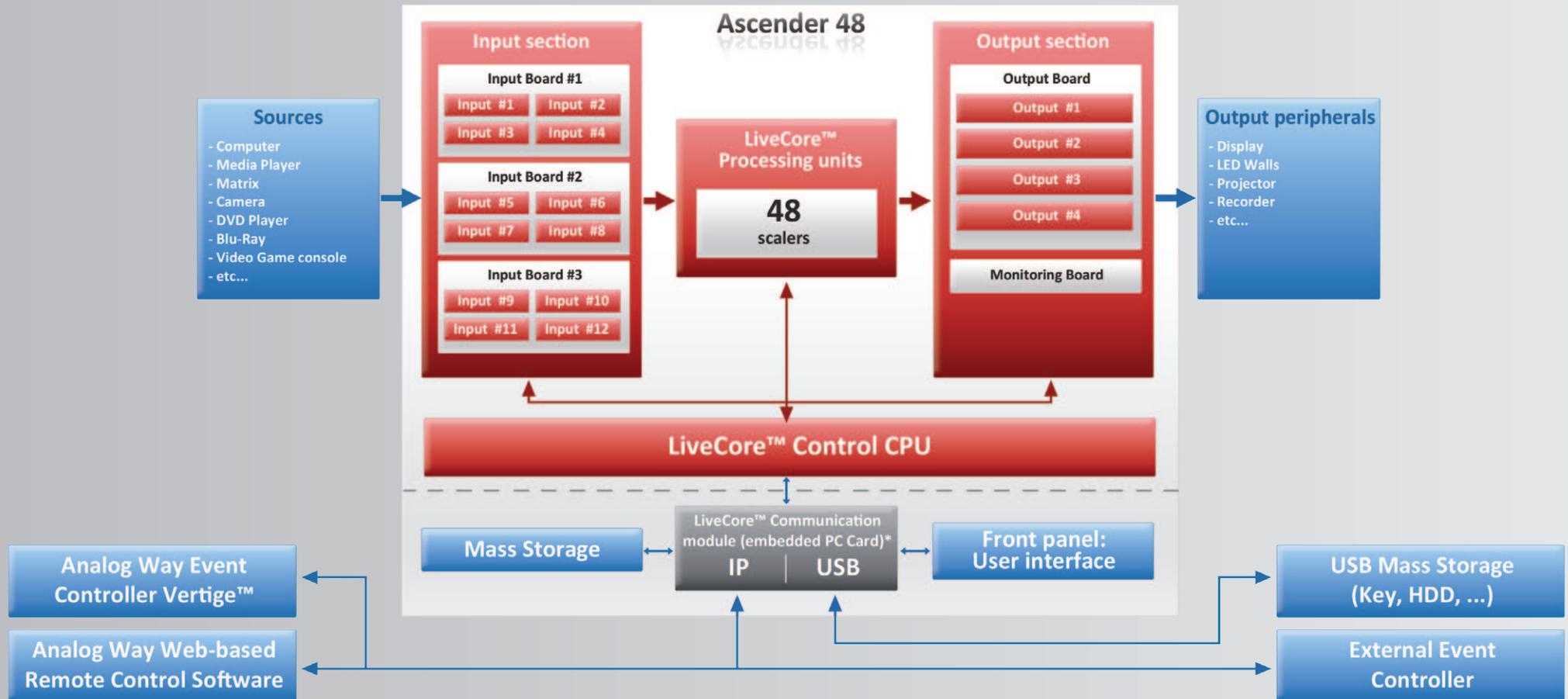


State-of-the-art processing



The new LiveCore™ platform is the heart of Analog Way's new generation of high-end AV processors. The LiveCore™ platform was designed to provide state-of-the-art imaging and real time processing.

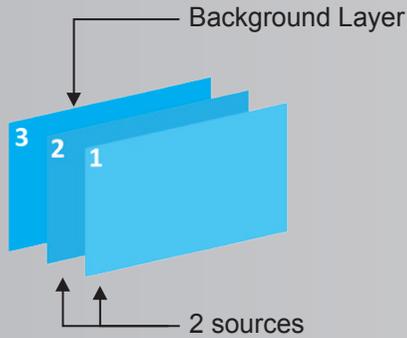
► The LiveCore™ platform



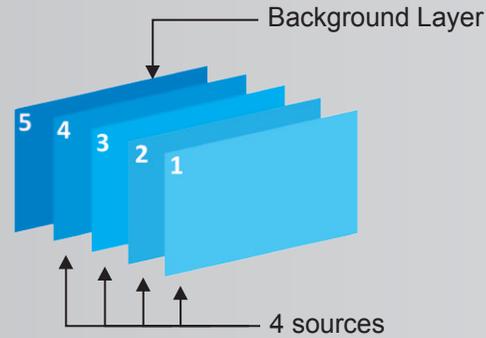
(*) All video processing is firmware based and carried out by the Processing unit. User-interfacing, network communication and other non-time critical processes are supported by the platform's PC-based Communication module.

Optimized layer management

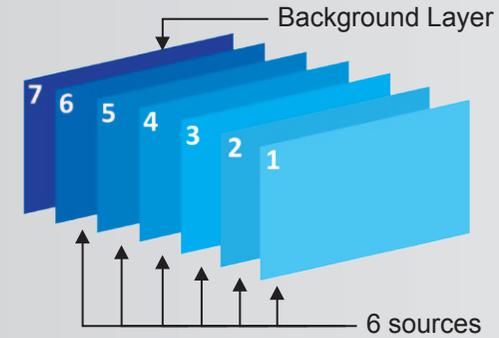
- ▶ The **LiveCore™** series features an **independent native background** for live or still images, allowing additional layering capability.
- ▶ In order to offer higher creativity, all seamless layers are considered as **uniform layers**, meaning any source can be fully resized.



2+1: SmartMatriX Ultra



4+1: NeXtage 16 & Ascender 32

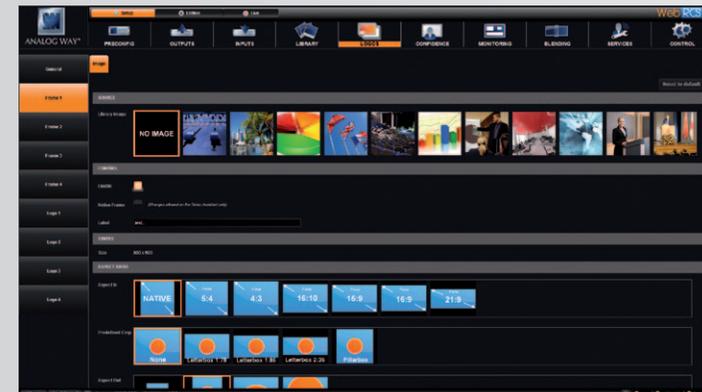


6+1: Ascender 48

- ▶ Up to 50 frames and 50 logos can be stored in the **LiveCore™**-based systems' memory via a USB plug. Management of pictures is accomplished via a unique thumbnail library. **Frames and logos** have the same properties as other layers: they are fully resizable and can support all settings and layer transitions. The **LiveCore™ platform** offers up to 4 seamless logos/frames.

Format	Upload	Download	Transparency support
BMP	Yes	Yes	N/A
JPEG	Yes	Yes	N/A
TIFF	Yes	Yes	Yes
GIF*	Yes	Yes	Yes
PNG	Yes	Yes	Yes
ICO	Yes	Yes	Yes

* Animated Gif not supported



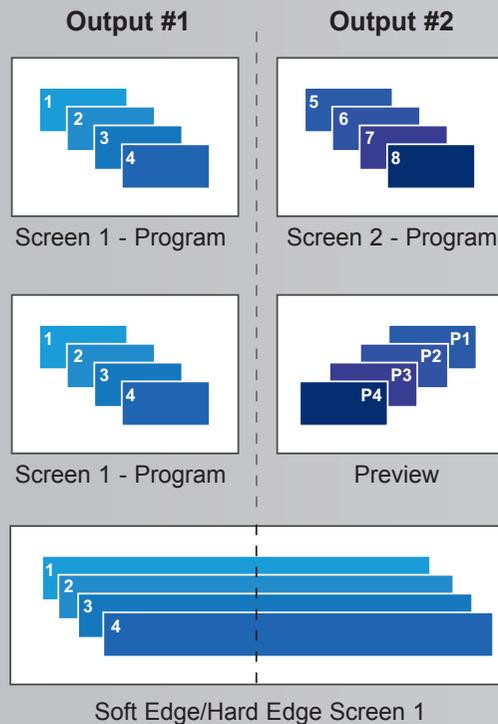


Display configurations

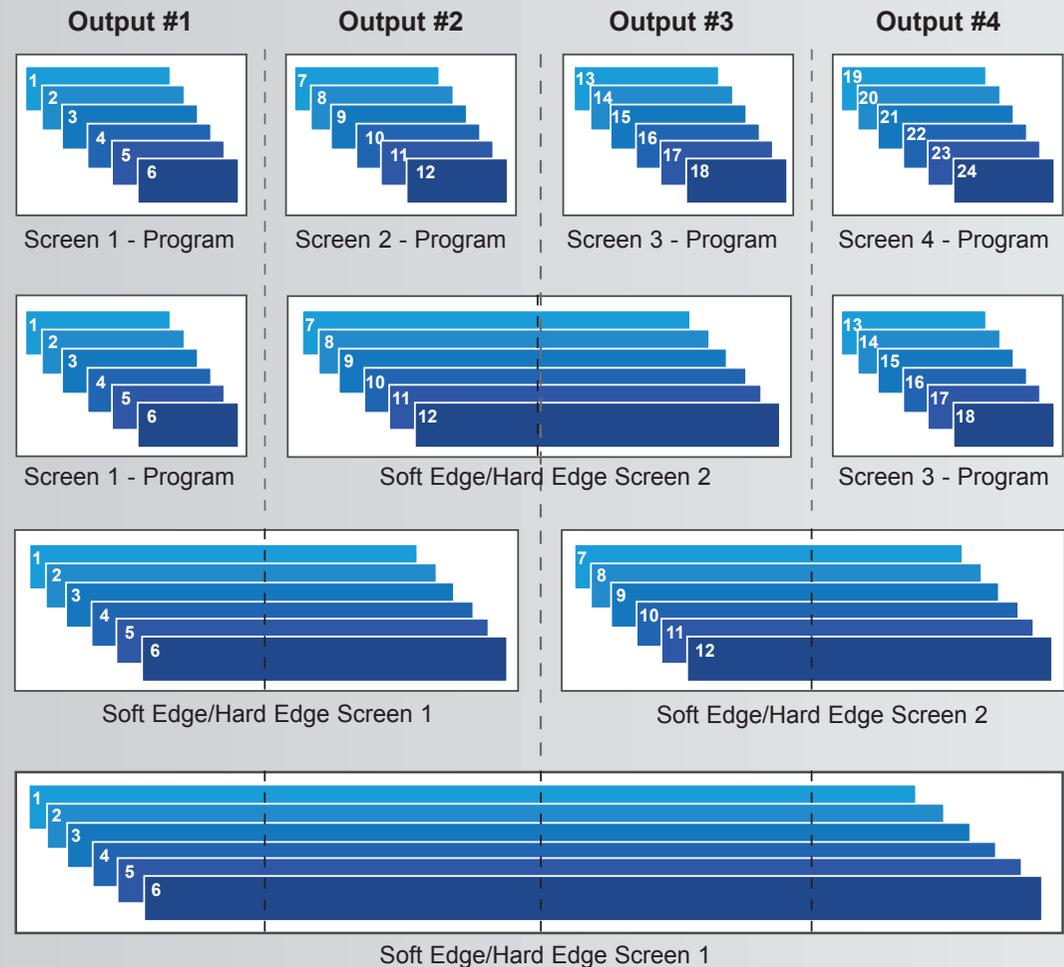
The outputs are considered as separate screens and can display up to 2, 4 or 6 true-seamless layers + native background.

In Hard Edge or Soft Edge Blend configuration, the outputs are also considered as one screen, continuing the capability to display 2, 4 or 6 true-seamless layers + 1 native background.

Display configurations with 2 outputs (NeXtage 16)

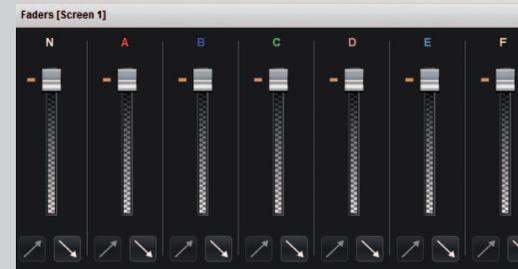
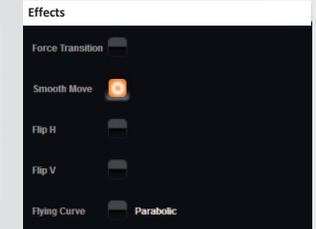
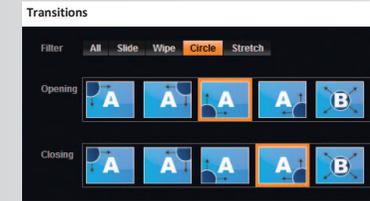
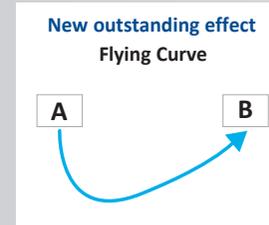


Display configurations with 4 outputs (Ascender 48)



Powerful processing capabilities and stunning visual effects

- ▶ **LiveCore™** platform's Scalers allow the display of all inputs and layers in real time on Program, Preview and Monitoring/Mosaic outputs.
- ▶ The system offers a **true A/B mix** such as dedicated video mixers do. Inputs can be perfectly mixed and switched without any restriction. Control through the T-Bar remains available all the time, for transitions from A to B and B to A.
- ▶ Thanks to its **outstanding effects**, the **LiveCore™** series is the ideal range to easily create stunning presentations. New menus are available to manage effects. Layers being uniform and independent, each of them can have specific effects applied to it: size, type of transition, time of the transition, etc.
- ▶ A variety of stunning effects can be achieved using functionalities embedded in the machine to make the process straightforward. As an example, the new "**Background Cut**" function allows automatic and instant calculation of complex slice-cut transition effects.
- ▶ In order to provide cutting edge imaging in a live environment, the **LiveCore™** platform uses **Analog Way's** latest **high performance algorithms**, including a fully redesigned deinterlacing process and stunning new chroma key. **Very low latency** remains the cornerstone of this latest generation of processing.



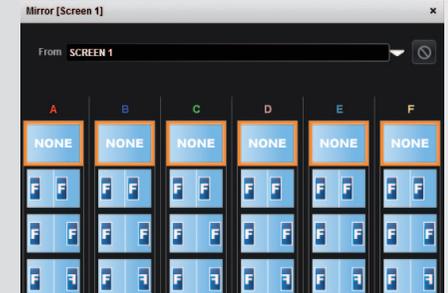
Faders: Capability to proceed on a specific layer



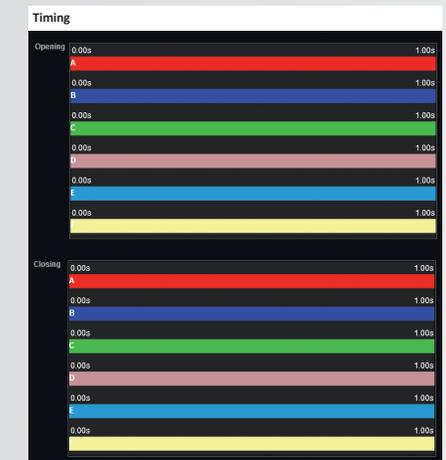
Strobe: Capability to apply a stroboscopic effect per layer



Speed: Capability to manage specific speed for each layer



Mirror: Capability to manage a mirror effect between two layers



Timing: Capability to manage specific timing for each layer

User-friendly and intuitive Graphic Interface

Analog Way worked extensively on the LiveCore™ series' control interface to make it as easy as possible to set up and operate.

Through its front panel interface or via its new web-based Remote Control Software, the LiveCore™-based processors are extremely easy to use and monitor in the field.

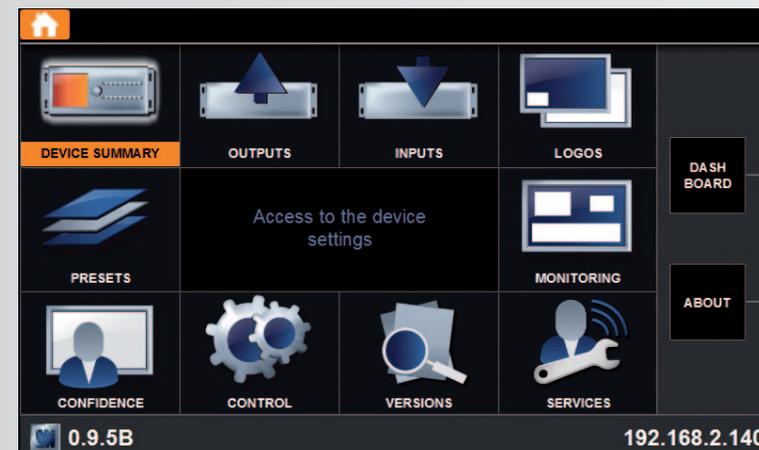


Control from front panel



The LiveCore™ series features a 4.3" TFT color display with WVGA resolution (800x480 pixels), and a new graphical interface.

The new interface allows management of input sources with snapshots for monitoring directly on the front panel's screen.



New powerful intuitive Remote Control Software

To help operators make the best use of the LiveCore™ platform, Analog Way designed a brand new Web-based Remote Control Software (Web RCS). This new Web RCS can be run from any computing system using an Internet browser (PC, Mac, tablet).





- ▶ The Web RCS offers a **user-friendly graphic interface** consisting of 3 independent sections: Setup, Edition and Live.
- ▶ With **dynamic snapshots** of the connected sources available, the intuitive interface allows operators to fully prepare their shows and control them live during their events.
- ▶ An **innovative Sequences mode** allows easy organization of presets through drag and drop.



Setup

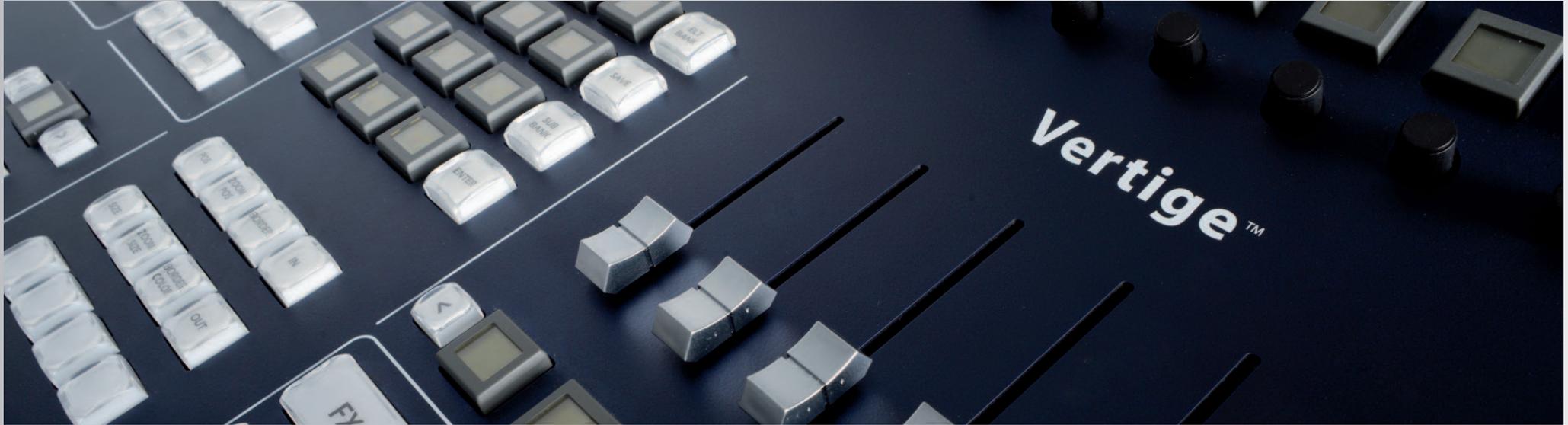


Live



Edition

Event controller - Vertige™ (Ref. VRC300)



High-End Remote Controller for large events/multi-venues

The **Vertige™** is a revolutionary Remote Controller integrating new ways to create and manage powerful events. The **Vertige™** brings a simple and flexible approach to show creation and management.



Available in late 2013

Through its powerful Web RCS, the LiveCore™ generation of processors offers a great opportunity for collaborative practices in the set-up of the machine, but also in its control and maintenance thanks to Remote Service capabilities.

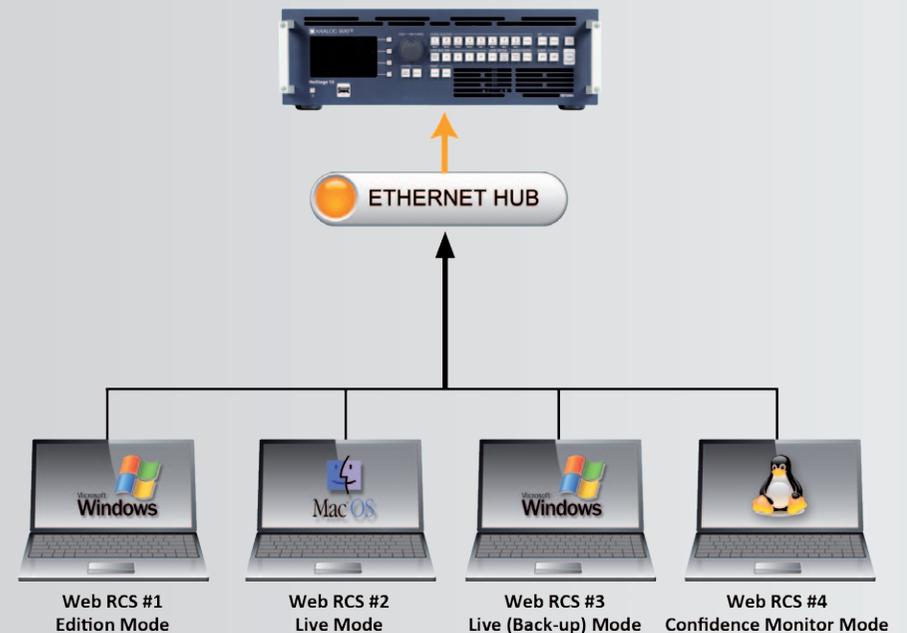
These capabilities ensure easy utilization of the device and highly efficient maintenance for optimized uptimes.

Multiple users

To save time and increase creativity, up to 5 operators per device can connect on the Web RCS and work from separate computing systems on different tasks simultaneously. Any operation is seen in real time by all the Web RCS users, thus ensuring effective preparation and monitoring.

Remote services

A specific communication module made of a dedicated industrial PC card, is embedded in the device to allow for remote services. This PC card is dedicated to LAN/WAN support services and is never involved in the real time critical image processing of the machine.





Advanced Dashboard

Important information regarding the use of the machine is also available: logs, working hours in total, working hours per show, etc.

If assistance is needed with a show, **Analog Way** technicians can remotely connect to the computing system running the Web RCS. This way, they can access the device and provide help as long as the unit is accessible via the Internet.

Remote maintenance tools

If help is needed for troubleshooting, **Analog Way's** Technical Support teams can remotely connect to a **LiveCore™**-based system to get access to internal logs, counters and errors and provide proper assistance. In order to speed up repair or replacement processes, specific tools were implemented to help identify potential failures or defective parts in the machine from a remote location.

Training

To help operators make the best use of the advanced features of the **LiveCore™** series, **Analog Way** established a dedicated training program.

The class will include technical know-how and hands-on experience to explain how to make impressive shows with easy control through the **LiveCore™** platform and the Web RCS.





Overall comparison

References	Ascender 48 - Ref. ASC4806	Ascender 32 - Ref. ASC3204	SmartMatrix Ultra - Ref. SMX12x4	NeXtage 16 - Ref. NXT1604
INPUTS	12	12	12	8
Universal Analog Input (RGBHV, YUV, Y/C & Composite)	12	12	12	8
DVI-I Scaled	6	6	6	6
DVI Dual-Link	3	3	3	2
HDMI	6	6	6	4
DisplayPort	3	3	3	2
3G/HD/SD-SDI	12	12	12	8
Max resolution	2K/WQXGA	2K/WQXGA	2K/WQXGA	2K/WQXGA
Universal analog input EDID	Except DVI-A	Except DVI-A	Except DVI-A	Except DVI-A
EDID (HDMI - DVI - DisplayPort)	All inputs	All inputs	All inputs	All inputs
HDCP compliant & Disable	✓	✓	✓	✓
OUTPUTS				
Program/Output	4	4	4	2
Preview on Output 2				✓
Max resolution	WQXGA/ Ultra HD & 4K	WQXGA/ Ultra HD & 4K	WQXGA/ Ultra HD & 4K	2K/WQXGA
Independent Preview/Mosaic/Monitoring Output (Full live Preview all sources)	✓	✓	✓	✓
Video Out 3G/HD/SD-SDI - RGB - RGsB - RGs - Y/C - Comp	✓	✓	✓	✓
Monitoring DVI or DVI Dual-Link	✓	✓	✓	✓
HDCP compliant DVI	✓	✓	✓	✓
OPERATION MODES				
Soft Edge Vertically and Horizontally up to 8 outputs	✓	✓		✓
Hard Edge Vertically and Horizontally up to 8 outputs	✓	✓	✓	✓
PREVIEW				
Full Live Preview of all sources (Preview/Mosaic/Monitoring)	✓	✓	✓	✓
Confidence Monitor	✓	✓	✓	✓
Customizable labels on Monitoring/Preview display	✓	✓	✓	✓
Displaying of widgets in Monitoring/preview display	12	12	12	8
TRANSITIONS & EFFECTS				
True A/B Mix	✓	✓	✓	✓
Transition: Cut, Fade, Slide, Wipe, Circle, Stretch & Depth	✓	✓	✓	✓
Background Cut Effect	✓	✓	✓	✓
Flying Curve Effect	✓	✓	✓	✓
LAYERS				
6 true-seamless scaled layers	✓			
4 true-seamless scaled layers	✓	✓		✓
2 true-seamless scaled layers	✓	✓	✓	✓
Native Background	✓	✓	✓	✓
Advanced Layers Management	✓			
FRAME & LOGO				
Fully resizable (Supporting all settings and layer transitions)	✓	✓	✓	✓
Formats : BMP, JPEG, TIFF, GIF, PNG, ICO in downloading/uploading by USB plug	✓	✓	✓	✓
Management of pictures via a thumbnail library	✓	✓	✓	✓
Available Frames/Logos	50/50	50/50	50/50	50/50
OTHER FEATURES				
Associative Modularity Via Remote Controller (Vertige - Ref. VRC300)				✓
Additive Modularity via Web RCS (Link between 2 units only)	✓	✓	✓	
Fast routing mode			✓	
Tally/GPI-O	✓	✓	✓	✓
Frame Lock	✓	✓	✓	✓
HUMAN MACHINE INTERFACE				
Web RCS (Web Based Remote Control Software)	✓	✓	✓	✓
Specific management of the front panel in matrix mode			✓	
Remote Services	✓	✓	✓	✓
Remote Maintenance Tools	✓	✓	✓	✓
Remote Controller - VRC300	✓	✓	✓	✓
FORM FACTOR				
Rugged Design	✓	✓	✓	✓
Enclosure	4u	4u	4u	3u
Rack mount kit supplied	✓	✓	✓	✓

Technical specifications

► Universal inputs

Operation standards: **LiveCore™** series conforms with SMPTE standards: ST259: 2008 / ST292-1: 2012 / ST424: 2006 / ST426-9: 2008.

SDTV formats

Standard	Size	Vertical frequency	Horizontal frequency
NTSC	525/480i	59.94Hz/60Hz	15,735 KHz
PAL	625/576i	50Hz	15.625 KHz
SECAM	625/576i	50Hz	15.625 KHz

EDTV formats

Standard	Size	Vertical frequency	Horizontal frequency
480p	525/480p	59.94Hz/60Hz	31.47 KHz
576p	625/576p	50Hz	31.25 KHz

HDTV formats

Standard	Size	Vertical frequency
720p	1280 x 720	23.97Hz/24Hz/25Hz/29,97Hz/30Hz/50Hz/59.94Hz/60Hz
1035i	1920 x 1035	59.94Hz/60Hz
1080i	1920 x 1080	50Hz/59.94Hz/60Hz
1080sF	1920 x 1080	50Hz/59.94Hz/60Hz
1080p	1920 x 1080	23.97Hz/24Hz/25Hz/29,97Hz/30Hz/50Hz/59.94Hz/60Hz

Cinema formats

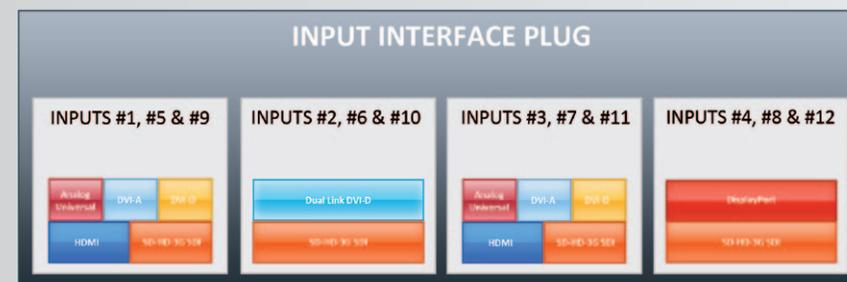
Format	Size	Vertical frequency
DCDM	2048 x 1080	24Hz

Inputs and plugs

Plug Type	Formats	Signals
Universal Analog Input	SDTV - EDTV - HDTV - Computer	Analog SDTV - Analog EDTV - Analog HDTV - Analog Computer
DVI-A Input	SDTV - EDTV - HDTV - Computer	Analog SDTV - Analog EDTV - Analog HDTV - Analog Computer
DVI-D Input	SDTV - EDTV - HDTV - Computer	Digital SDTV - Digital EDTV - Digital HDTV - Digital Computer
DisplayPort Input	SDTV - EDTV - HDTV - Computer	Digital SDTV - Digital EDTV - Digital HDTV - Digital Computer
HDMI Input	SDTV - EDTV - HDTV - Computer	Digital SDTV - Digital EDTV - Digital HDTV - Digital Computer
3G/HD/SD-SDI Input	SDTV - HDTV	Digital SDTV - Digital HDTV

The following types of plugs are available on the rear panel :

- 4-Lanes DisplayPort in version 1.1a (accept a Dual-Link DVI input via a no supplied active adaptor)
- HDMI
- Single DVI-I / Dual-Link DVI-D (DVI-I connector),
- 3G-SDI (BNC),
- Universal Analog (HD-15)



Inputs formats and plugs

Standard	Size	HD-15	3G-SDI	HDMI	2-Lanes DisplayPort	4-Lanes ³ DisplayPort	Single-Link DVI-I	Dual-Link DVI-D
NTSC	525/480i	Yes	No	Yes	No	No	Yes	No
PAL	625/576i	Yes	No	Yes	No	No	Yes	No
SECAM	625/576i	Yes	No	Yes	No	No	No	No
480p	525/576i	Yes	No	Yes	Yes	Yes	Yes	Yes
576p	625/576p	Yes	No	Yes	Yes	Yes	Yes	Yes
720p	1280x720	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1035i	1920x1035	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1080i	1920x1080	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1080p	1920x1080	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1080sF	1920x1080	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1080p	1920x1080	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DCDM	2048x1080	No	Yes	No	No	No	No	No
VGA	640x480	Yes	No	Yes	Yes	Yes	No	Yes
800x480	800x480	Yes	No	Yes	Yes	Yes	Yes	Yes
WVGA	848x480	Yes	No	Yes	Yes	Yes	Yes	Yes
SVGA	800x600	Yes	No	Yes	Yes	Yes	Yes	Yes
1280x600	1280x600	Yes	No	Yes	Yes	Yes	Yes	Yes
720p RGB	1280x720	Yes	No	Yes	Yes	Yes	Yes	Yes
XGA	1024x768	Yes	No	Yes	Yes	Yes	Yes	Yes
WXGA	1280x768	Yes	No	Yes	Yes	Yes	Yes	Yes
SWXGA	1360x768	Yes	No	Yes	Yes	Yes	Yes	Yes
1366x768	1366x768	Yes	No	Yes	Yes	Yes	Yes	Yes
800p RGB	1280x800	Yes	No	Yes	Yes	Yes	Yes	Yes
SWXGA+	1366x800	Yes	No	Yes	Yes	Yes	Yes	Yes
1152x864	1152x864	Yes	No	Yes	Yes	Yes	Yes	Yes

[...]

Standard	Size	HD-15	3G-SDI	HDMI	2-Lanes DisplayPort	4-Lanes ³ DisplayPort	Single-Link DVI-I	Dual-Link DVI-D
900p RGB	1440x900	Yes	No	Yes	Yes	Yes	Yes	Yes
1600x900	1600x900	Yes	No	Yes	Yes	Yes	Yes	Yes
960p RGB	1280x960	Yes	No	Yes	Yes	Yes	Yes	Yes
SXGA	1280x1024	Yes	No	Yes	Yes	Yes	Yes	Yes
1360x1024	1360x1024	Yes	No	Yes	Yes	Yes	Yes	Yes
DILA4/3	1364x1024	Yes	No	Yes	Yes	Yes	Yes	Yes
SXGA+	1400x1050	Yes	No	Yes	Yes	Yes	Yes	Yes
WSXGA+	1680x1050	Yes	No	Yes	Yes	Yes	Yes	Yes
1080p RGB	1920x1080	Yes ¹	No	Yes	Yes	Yes	Yes	Yes
2K	2048x1080	Yes ¹	No	Yes	Yes	Yes	Yes	Yes
UXGA	1600x1200	Yes ¹	No	Yes	Yes	Yes	Yes	Yes
WUXGA	1920x1200	Yes ¹	No	Yes	Yes	Yes	Yes	Yes
1920x1440	1920x1440	Bad quality ²	No	No	No	Yes	No	Yes
QXGA ⁴	2048x1536	Bad quality ²	No	No	No	Yes	No	Yes
WQXGA ⁴	2560x1600	No	No	No	No	Yes	No	Yes

- Notes:**
 1) Reduced Blanking
 2) The signal is under-sampled: the image cannot be reproduced on 1:1 scaling
 3) 4-Lanes DisplayPort in version 1.1a (accept a Dual-Link DVI input via a non-supplied active adaptor)
 4) Dual-Link format. This resolution uses 2 input channels.

▶ Outputs (Program & Preview)

Outputs and plugs

Output Type	Format	Signal
Analog Computer/Video Output	HDTV Computer	Analog HDTV Analog Computer
DVI-I Dual-Link Output	HDTV Computer	Analog HDTV Analog Computer
3G-SDI Output	HDTV	Digital HDTV
Dual Video Optical SFP Module	HDTV	Digital HDTV

(Two Clone outputs via 3G-SDI)

Each output contains four plugs outputs:

- ▶ 3G/HD/SD-SDI (two clone outputs via 1 BNC and 1 dual video optical SFP module)
- ▶ Analog Computer/Video (HD15)
- ▶ DVI: Dual Link DVI-I for output #1 and Single-Link DVI-I on output #2 (both with DVI Connectors)

Outputs formats and plugs

Format	Size	Aspect ratio	Frequency	
			50 Hz	60 Hz
VGA	640x480	4/3	Yes	Yes
WVGA	848x480	16/9	Yes	Yes
SVGA	800x600	4/3	Yes	Yes
720p	1280x720	16/9	Yes	Yes
XGA	1024x768	4/3	Yes	Yes
WXGA	1280x768	5/3	Yes	Yes
SWXGA	1360x768	16/9	Yes	Yes
1366x768	1366x768	16/9	Yes	Yes
WXGA2	1280x800	16/9	Yes	Yes
SWXGAP	1366x800	5/3	Yes	Yes
900p	1440x900	16/10	Yes	Yes
SXGA	1280x1024	5/4	Yes	Yes
SXGAP	1400x1050	5/3	Yes	Yes
UXGA	1600x1200	4/3	Yes	Yes
WSXGAP	1680x1050	16/9	Yes	Yes
1080p	1920x1080	16/9	Yes	Yes

▶ Monitoring/Preview/Mosaic Output

Outputs and plugs

Output Type	Format	Signal
Video Composite	SDTV	Analog SDTV
Video Y/C Output	SDTV	Analog SDTV
Video Y Pb Pr Output	SDTV / EDTV / HDTV	Analog SDTV
Video RGBS/TTL Output	SDTV / EDTV / HDTV	Analog SDTV
Analog Computer/Video Output	SDTV	Analog SDTV
	EDTV	Analog EDTV
	HDTV Computer	Analog HDTV Analog Computer
DVI-I Dual-Link Output	EDTV	Digital SDTV
	HDTV Computer	Digital EDTV Digital HDTV
	Computer	Digital Computer
3G/HD/SD-SDI Output	HDTV	Digital SDTV Digital HDTV

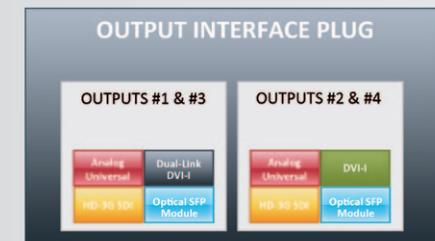
This module contains one output with the following plugs:

- ▶ 3G/HD/SD-SDI (1xBNC)
- ▶ Analog Computer/Video (HD15)
- ▶ Dual-Link DVI-I (DVI-I)
- ▶ Analog SDTV (4xBNC: Composite, YC, YUV, RGBS)

Format	Size	Aspect ratio	Frequency	
			50 Hz	60 Hz
WUXGA	1920x1200	16/9	Yes	Yes
2K	2048x1080	17/9	Yes	Yes
QXGA ¹	2048x1536	4/3	Yes	Yes
WQHD ¹	2560x1440	16/9	Yes	Yes
WQXGA ¹	2560x1600	16/10	Yes	Yes
Ultra HD ²	3840x2160	16/9	Yes	Yes
4K ²	4096x2160	17/9	Yes	Yes

Notes:

- 1) This resolution uses 2 output channels (Dual-Link format).
- 2) This resolution uses 4 output channels (4 x 3G-SDI or 4 x DVI-D).



NeXtage 16:

Dimensions:

- ▶ D 21.41" x W 17.51" x H 5.23"
- ▶ D 544 mm x W 444.8 mm x H 133 mm

Weight:

- ▶ 14Kgs / 30.86lb

Power Supply:

- 100-240 VAC ; 4.8A ; 50/60Hz ; 225 W

SmartMatrixX Ultra, Ascender 32 & Ascender 48:

Dimensions:

- ▶ D 21.41" x W 17.51" x H 6.97"
- ▶ D 544 mm x W 444.8 mm x H 177 mm

Weight:

- ▶ 19Kgs / 41.89lb

Power Supply:

- 100-240 VAC ; 4.8A ; 50/60Hz ; 285 W

Supplied with:

- ▶ 1 x Power Supply Cord
- ▶ 1 x Ethernet cross cable (for device control)
- ▶ 1 x Rack mount kit
- ▶ 1 x MCO 10 pin connector
- ▶ 1 x Web-based Remote Control Software (Web RCS)
- ▶ 1 x User Manual (PDF version)*
- ▶ 1 x Quick Start Guide*

*User manual and Quick start guide are also available on www.analogway.com

Analog Way around the world



Analog Way SAS - Headquarters

Tel.: +33 (0)1 81 89 08 60

Fax: +33 (0)1 57 19 04 54

Address: 2/4 rue Georges Besse
92160 Antony
FRANCE

E-mail:

Sales/General information: saleseuro@analogway.com

Technical Support: techsupport@analogway.com

Analog Way Inc.

Tel.: +1 212 269 1902

Fax: +1 212 269 1943

Address: 299 Broadway, Suite 1620
New York, NY 10007
USA

E-mail:

Sales/General information: salesusa@analogway.com

Technical Support: techsupportusa@analogway.com

Analog Way Pte Ltd

Tel.: +65 6292 5800

Fax: +65 6292 5205

Address: 152 Beach Road
#15-03 Gateway East
SINGAPORE 189721

E-mail:

Sales/General information: sales@analogwayasia.com

Technical Support: techsupport@analogwayasia.com

Analog Way Germany

Tel.: +49 7161 5075668

E-mail: salesgermany@analogway.com

Analog Way Italy

Tel.: +39 02 39493943

E-mail: salesitaly@analogway.com

Analog Way UK

Tel.: +44 (0)2076 979133

E-mail: salesuk@analogway.com

Connect with us on www.analogway.com



Follow us



ANALOG WAY[®]
Pioneer in Analog, Leader in Digital

Your distributor



V1-16/05/2013