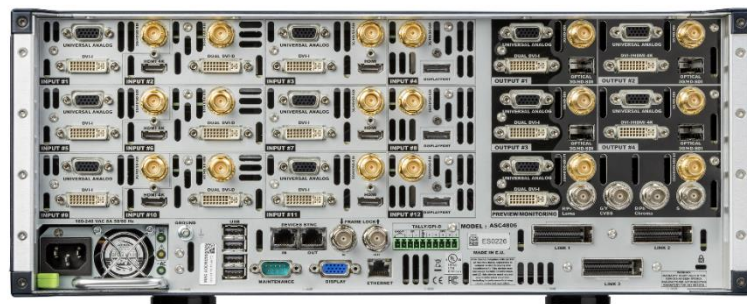


# Ascender 48 - 4K - PL

Ref. ASC4806-4K-PL



Cutting edge, solid state, multi-output 4K seamless switcher and video wall processor.  
Perfect for live events and system integration



## Flexible and Powerful

Like all the products of the **LiveCore™** series, the **Ascender 48 - 4K - PL** offers flexibility through its support of different video standards (custom formats included) and its versatile connectivity. It also features state-of-the-art live processing and a rich 4K hardware package allowing creative display configurations such as multi-projector soft-edge blending or large scale video walls applications.



## Built for Dependability

The **LiveCore™** series of product has been designed to provide a robust hardware platform that you can rely on for all of your video processing and seamless switching needs. Engineered to be road-hardened to survive tough live event environments and also for the long-haul in fixed installations. From Live concerts, to permanent LED walls in stadiums, **LiveCore™** has you covered.

## Designed for Creativity

The **Ascender 48 - 4K - PL** offers many advanced real time processing features that you might only expect to find in high-end professional broadcast studios. Perspective layers, cut and fill, alpha-channel support, Chroma and Luma key, true seamless switching on all layers as well as an intuitive web based user interface which will help unleash all your creative potential.

## Expandable for Larger Events

For larger events or larger screens, 2 chassis can be linked via proprietary link cables. In this configuration, input/output capabilities are doubled without requiring any upstream splitter or any matrix router. For even more impressive shows, multiple chassis can be controlled by **Vertige™** or **RCU** to create huge video canvases with up to 96 outputs and 192 megapixels.

Up to  
**12**  
inputs

Up to  
**4**  
outputs

**4U**  
size

Up to  
**4K**  
60Hz

**PL**

**Cut & Fill**

**Rotation**

### Ascender 48 - 4K - PL at a glance

- ▶ Versatile connectivity (12 seamless inputs and 42 input plugs)
- ▶ State-of-the-art, real-time 10 bit 4:4:4 processing
- ▶ Advanced video effects for impressive visual shows
- ▶ True-seamless switching technology
- ▶ User-friendly and intuitive Web-based graphic user interface
- ▶ Heavy-duty design for optimized uptimes in mission-critical use

	Ascender 16 - 4K	Ascender 32 - 4K - PL	Ascender 48 - 4K - PL
Layers per output	2	4	6
Perspective Layers	-	✓	✓

## KEY FEATURES

Based on LiveCore™ platform

Ruggedized and heavy-duty design

Versatile connectivity (12 active inputs, 42 total input plugs)

Input formats up to Dual Link 60Hz 4:4:4 or 4k30Hz 4:4:4 - supports Quad HD sources

Output formats up to 4K30Hz 4:4:4, 4K60Hz 4:2:0 and Quad HD 60Hz 4:4:4

Seamless crossfade on all layers, on all 12 sources

Perspective layers allow for 3D layer manipulation/rotation

Rotation capability on all outputs

Independent output rate

Flying layer movement with programmable paths

Multiple layer transition options

Independent preview/mosaic/monitoring output

Customization of monitoring layouts (8 presets)

Intuitive drag and drop Web based GUI, cross platform compatible

Live video thumbnails shown on GUI

Collaborative architecture (up to 5 simultaneous operators)

Single screen memories and master memories to easily recall looks on all your screens

Creative display configurations (mixer, hard-edge, soft-edge)

Custom output formats for non-standard display applications (10 memories)

Custom Canvas mode allows you to place outputs anyway on your "video canvas" for special LED wall applications

Area of Interest option to customize active areas of outputs

Confidence monitor available for unused outputs

Native background using still images or live sources

Still images support alpha-channels for transparent background

Cut and Fill (using two sources or a source and a still image)

Quiet: 49dB average noise at 1 meter when ambient temp is less than 32°C/90°F

Additive modularity (Increase the outputs and/or inputs by adding an additional Ascender or LOE)

Associative modularity (create a large system of LiveCore™ units all controlled from a Vertige™ or from RCU)

Sequencer for creating programmable timelines

Remote services and maintenance

HDCP compliant

### Dimension (in Rack Units - RU)

▶ 4RU

### Dimensions (without rack ears and rear rack mount)

▶ W 17.32" x H 6.96" x D 20.70"

▶ L 440 mm x H 177 mm x P 526 mm

### Dimensions (with handles)

▶ W 19" x H 6.96" x D 21.73"

▶ L 482.6 mm x H 177 mm x P 552 mm

### Weight without accessories

▶ 20.1 kg / 44.31 lbs

### Shipping weight accessories included

▶ 25.9 kg / 57.10 lbs

### Operating conditions

▶ Temperature: 0 to 40°C (32 to 104°F)

▶ Humidity: 10% to 80%, non-condensing

### Noise (@1,6m height @25°C)

▶ Front: 49 DBa@1m

▶ Rear: 51 DBa@1m

### Thermal dissipation

▶ 1485 BTU/hr

### Warranty

3-year warranty on parts and labor back to factory

### Power Supply

▶ 100-240 VAC 50/60Hz 8A swappable

▶ Max consumption: 435 W

### Safety Compliance

▶ IEC/UL/EN 60950-1, CSA22.2#60950-1, UL Listed (US & Canada) File:E359143

### Supplied with

▶ 1 x Power supply cord

▶ 1 x Web-based Remote Control Software

▶ 1 x Rackmount kit

▶ 1 x Ethernet cross cable (for device control)

▶ 1 x MCO 10 pin connector

▶ 1 x User manual (PDF)\*

▶ 1 x Quick start guide including safety instructions\*

## INPUTS

12 active inputs, 42 total input plugs

6x HDMI (3x HDMI up to 4k30Hz included)

3x DisplayPort (up to 4k30Hz)

9x DVI-I (3x DVI Dual-Link up to 2560x1600 included)

12x 3G/HD/SD-SDI

12x Universal Analog (6x HD15 & 6x DVI-A)

## OUTPUTS

4 outputs with 5 plugs per output

8x Universal Analog (4x HD15 & 4x DVI-A)

4x 3G/HD/SD-SDI

2x DVI-I Dual-Link up to 2560x1600 (output #1 and #3)

2x DVI/HDMI 4K up to 4k30Hz 4:4:4 or up to 4k60Hz 4:2:0 (output #2 and #4)

4x SFP (Optical for SDI Fiber transmission)

## MONITORING OUTPUT

2x Universal Analog (HD15 & DVI-A)

1x DVI-I

2x 3G/HD/SD-SDI

1x RGBs/RGsB/RGB/YPrBr/YC/comp analog output

Customizable labels - Up to 12 widgets

## LAYERS

6 True-Seamless scaled layers or 3 True-Seamless Perspective Layers per output

1 native background layer per output

Advance layer management

## TRANSITIONS & EFFECTS

True A/B Mix

Borders: Edge, Smooth, Smooth Edge, Shadow...

Transitions: Cut, Fade, Slide, Wipe, Circle, Stretch, Depth, Flying window

Layer effects: Background Cut, Transparency, Luma/Chroma Key, DSK, H&V Flip, Cut and Fill

Colors effects: B&W, Negative, Sepia and Solarize

## FRAMES & LOGOS

Up to 100 frame/logo memories - Fully resizable

Download/upload via Web RCS

Capture from live inputs

## CONTROL

Web RCS: On-board intuitive web based user interface

Vertige™: Premium remote controller

RCU: Rack mountable master control unit

Shot Box²/Control Box²: Cost effective control solutions

TCP protocol and AMX/Crestron drivers

AW VideoCompositor: Drag & drop Crestron® GUI

## OTHER FEATURES

Tally/GPI-O

Independent Frame Lock input and output loop

## EXPANDABILITY

2 chassis can be linked via proprietary link cables to expand input/output capabilities

Several chassis can be controlled from a Vertige™ or from RCU to create huge video canvases

 Specifications subject to change without prior notice

Distributor / Vertrieb:

**VIDELCO** Europe Limited – Professionelle Audio- Video- Medien-Technik

Fon: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

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**VIDELCO**  
Europe Limited