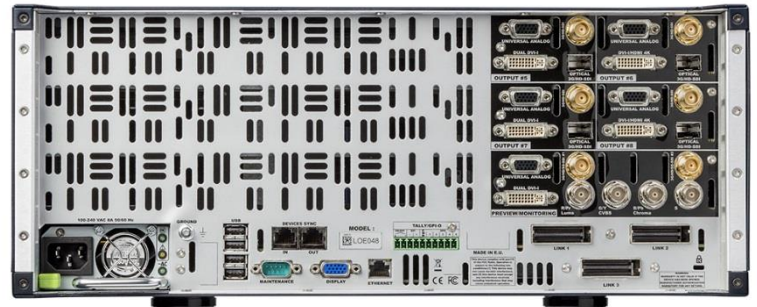


Expansion chassis to add four additional PROGRAM or AUX outputs to an Ascender



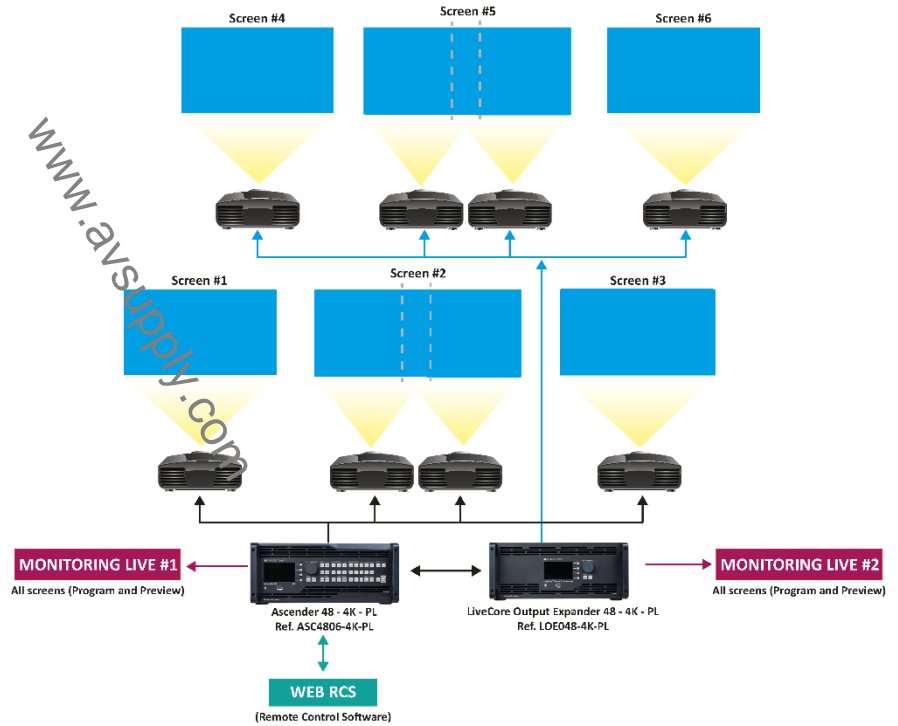
**Presentation**

The **LiveCore™** family of products and accessories gives you all the tools and flexibility you need to fit your project requirements.

The **LOE** (or **LiveCore Output Expander**) is an expansion chassis that allows you to expand your outputs when used in conjunction with an Ascender and without the need to duplicate or “DA” sources to multiple chassis.

**LOE** will use the included link cables to give you an extra 4 outputs and additional operator monitor resulting into a 12 input, 8 output + 2 dedicated monitor output system. The advanced **Web RCS** software will control the expanded system as a single assembly!

**Example of multi-screen configuration**



4  
add.  
outputs

4U  
size

Up to  
4K  
60Hz

PL

Cut & Fill

Rotation

**LOE048 - 4K - PL at a glance**

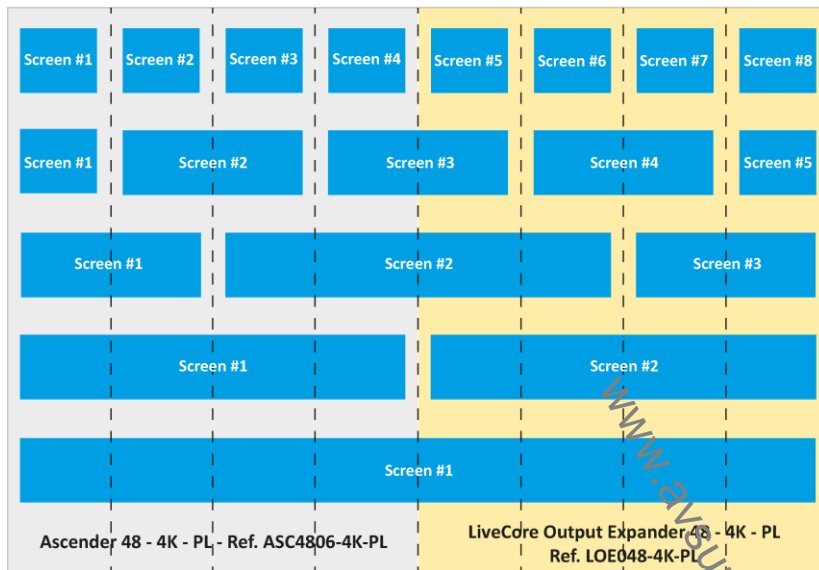
- ▶ Expansion chassis to add extra outputs and source monitor to the Ascender
- ▶ Heavy-duty design for optimized uptimes in mission-critical use
- ▶ Web RCS will manage a linked system as one large system
- ▶ High-end real-time 10 bit 4:4:4 processing
- ▶ Fiber optic outputs
- ▶ Compatible with any Ascender in the LiveCore™ series

	LOE016-4K	LOE032-4K-PL	LOE048-4K-PL
Layers per output	2	4	6
Perspective Layers	-	✓	✓

## KEY FEATURES

- Expansion Chassis for LiveCore™
- Add 4 x PROGRAM or AUX outputs and 1 monitor output to your Ascender
- Compatible with Ascender 16 - 4K, Ascender 32 - 4K - PL and Ascender 48 - 4K - PL
- Ruggedized and heavy-duty design
- Output formats up to 4K 30Hz 4:4:4, 4K 60Hz 4:2:0 and Quad HD 60Hz 4:4:4
- Available in LOE16, 32 and 48 (2, 4 or 6 layers per screen)
- Supports all the features of LiveCore™

## Display configurations with 8 outputs



<p><b>Dimension</b> (in Rack Units - RU)</p> <ul style="list-style-type: none"> <li>▶ 4RU</li> </ul> <p><b>Dimensions</b> (without rack ears and rear rack mount)</p> <ul style="list-style-type: none"> <li>▶ W 17.32" x H 6.96" x D 20.47"</li> <li>▶ L 440 mm x H 177 mm x P 520 mm</li> </ul> <p><b>Dimensions</b> (with handles)</p> <ul style="list-style-type: none"> <li>▶ W 19" x H 6.96" x D 21.73"</li> <li>▶ L 482.6 mm x H 177 mm x P 552 mm</li> </ul> <p><b>Weight without accessories</b></p> <ul style="list-style-type: none"> <li>▶ 18.4 kg / 40.56 lbs</li> </ul> <p><b>Shipping weight accessories included</b></p> <ul style="list-style-type: none"> <li>▶ 24.2 kg / 53.35 lbs</li> </ul> <p><b>Operating conditions</b></p> <ul style="list-style-type: none"> <li>▶ Temperature: 0 to 40°C (32 to 104°F)</li> <li>▶ Humidity: 10% to 80%, non-condensing</li> </ul>	<p><b>Warranty</b></p> <p>3-year warranty on parts and labor back to factory</p> <p><b>Power Supply</b></p> <ul style="list-style-type: none"> <li>▶ 100-240 VAC 50/60Hz 8A swappable</li> </ul> <p><b>Safety Compliance</b></p> <ul style="list-style-type: none"> <li>▶ IEC/UL/EN 60950-1, CSA22.2#60950-1, UL Listed (US &amp; Canada) File:E359143</li> </ul> <p><b>Supplied with</b></p> <ul style="list-style-type: none"> <li>▶ 1 x Power supply cord</li> <li>▶ 1 x OPT-KIT3xLINK</li> <li>▶ 1 x Rack mount kit (front ears and rear support)</li> <li>▶ 1 x 1,8m long RJ45 cable</li> <li>▶ 1 x MCO 10 pin connector</li> <li>▶ 1 x Quick start guide including safety instructions*</li> </ul>
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Specifications subject to change without prior notice

## OUTPUTS

- 4 additional outputs with 5 plugs per output
- 8 x Universal Analog (4 x HD15 & 4 x DVI-A)
- 4 x 3G/HD/SD-SDI
- 2 x DVI-I Dual-Link up to 2560x1600 (output #1 and #3)
- 2 x DVI/HDMI 4K up to 4k30hz 4:4:4 or up to 4k60hz 4:2:0 (output #2 and #4)
- 4 x SFP (Optical for SDI Fiber transmission)

## MONITORING OUTPUT

- 2 x Universal Analog (HD15 & DVI-A)
- 1 x DVI-I
- 2 x 3G/HD/SD-SDI
- 1 x 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

## CONTROL

- Web RCS: On-board intuitive web based user interface
- Vertige™: Premium remote controller
- RCU: Rack mountable master control unit
- Shot Box<sup>2</sup>/Control Box<sup>2</sup>: Cost effective presets control solutions
- TCP protocol and AMX/Crestron drivers

## OTHER FEATURES

- Tally/GPI-O
- Independent Frame Lock input and output loop

## Additive modularity

