



# Ascender 32-LE-4K

LiveCore Series



## #ASC32LE-4K

Cutting edge, solid state, multi-output 4K seamless switcher and videowall processor based on the powerful LiveCore™ platform. Featuring heavy-duty design, versatile connectivity, state-of-the-art real-time processing, advanced video effects and user-friendly web-based user interface, the Ascender 32 LE-4K is a perfect fit for live events and system integration requiring the highest reliability and performance.

### 12 Seamless Inputs

- 42 total input plugs
- 6x HDMI (3x HDMI up to 4K@30Hz included)
- 3x DisplayPort (up to 4K@30Hz)
- 9x DVI-I (3x DVI Dual-Link up to 2560×1600 included)
- 12x 3G/HD/SD-SDI
- 12x Universal Analog (6x HD15 and 6x DVI-A)
- Supports quad-head HD sources

### 4 Outputs

- 5 plugs per output
- 8x Universal Analog (4x HD15 and 4x DVI-A)
- 4x 3G/HD/SD-SDI
- 2x DVI-I Dual-Link up to 2560×1600
- 2x DVI/HDMI 4K up to 4K@30Hz 4:4:4 or up to 4K@60Hz 4:2:0
- 4x SFP (Optical for SDI Fiber transmission)
- Supports Quad HD (4K@60Hz 4:4:4 on 4 cables)



#### **State-of-the-art Processing**

Ultra-low latency 10 bit 4:4:4 processing  
Uncompromising scaling performance and image quality  
Supports de-interlacing, frame rate and aspect ratio conversion  
4 true seamless scaled layers per output (32 scalers)  
Advanced layer management

#### **Advanced Video Effects**

Seamless crossfade on all layers, on all 12 sources  
Borders: Edge, Smooth, Smooth Edge, Shadow  
Transitions: Cut, Fade, Slide, Wipe, Circle, Stretch, Depth, Flying window with programmable paths  
Layer effects: Background Cut, Transparency, Luma/Chroma Key, DSK, H&V Flip, Cut and Fill  
Color effects: B&W, Negative, Sepia and Solarize

#### **Creative Display Configurations**

Supports any combination of single-screen or widescreen applications  
Single/Master screen memories to easily recall looks on all the screens  
Custom output formats for non-standard display applications  
Independent resolution and rate on all outputs  
Rotation capability in increments of 90°  
Custom Canvas mode for special LED wall applications  
Area of Interest option to customize active areas of outputs  
Confidence monitor available for unused outputs

#### **Simple Setup and Advanced Control**

Web RCS: embedded intuitive drag and drop web-based interface  
Live video thumbnails shown on GUI  
Collaborative architecture: up to 5 simultaneous operators  
Wide range of hardware and software control solutions available (Vertige™, RCU, Shot Box², Control Box²...) TCP/IP protocol supported by all major third-party control systems  
AMX/Crestron drivers  
AW VideoCompositor: Design intuitive drag and drop Crestron® user interfaces to control your live events with the LiveCore™ series image

#### **Up to 100 Still Image Memories**

Still images fully resizable  
Download/upload via Web RCS



Capture from live inputs  
Supports alpha-channels for transparent background

#### **Independent Monitoring Output**

Output plugs: HD15, DVI-I DL, 2x 3G-SDI and Analog  
SDTV (4x BNC)  
Customizable layout with up to 12 windows  
Real-time monitoring of sources, preview, program  
8 memories available to save custom monitoring layouts

#### **Rugged Steel Chassis**

Heavy-duty design for unrivalled reliability and durability  
Independent Frame Lock input and output loop  
Quiet: 49dB average noise at 1m  
Tally/GPI-O

#### **Expandable for Larger Events**

2 chassis can be linked to double input/output  
capabilities (24x8 system)  
Up to 24 LiveCore™ chassis can be controlled to create  
huge video canvases with up to 192 megapixels