

Ascender 16-4K

LiveCore Series

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#ASC1602-4K

Cutting edge, solid state, multi-output 4K seamless switcher and videowall processor based on the powerful LiveCore platform. Featuring heavy-duty design, versatile connectivity, stateof-the-art real-time processing, advanced video effects and user-friendly web-based user interface, the Ascender 16 - 4K is a perfect fit for live events and system integration requiring the highest reliability and performance.

12 Seamless Inputs

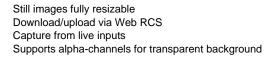
42 total input plugs 6x HDMI (3x HDMI up to 4K@30Hz included) 3x DisplayPort (up to 4K@30Hz) 9x DVI-I (3x DVI Dual-Link up to 2560x1600 included) 12x 3G/HD/SD-SDI 12x Universal Analog (6x HD15 and 6x DVI-A) Supports quad-head HD sources

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 2560x1600 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)

Processing	Ultra-low latency 10 bit 4:4:4 processing Uncompromising scaling performance and image qual Supports de-interlacing, frame rate and aspect ratio conversion 2 true seamless scaled layers per output (16 scalers) 1 native background per output using still images or liv sources 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 of 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 application 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 Box ² , Control Box ²) 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



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 192 megapixels