## S3-4K series

## Compact 4K screen management systems





Featuring 12 input channels, 4 PROGRAM outputs, 4 AUX outputs and 2 dedicated Multiviewer outputs, the S3-4K is the E2 image processor's more compact sidekick. Under the hood, however, it boasts the same processing performance, image quality, flexibility and rugged durability. In short: all the tools you need to create a stunning live experience, in a single compact and roadworthy housing.

## Powerful features, easy operation

- · Modular card-based design
- · Interlinking of S3-4K chassis allows expansion of inputs, outputs or layers
- · Easy set-up with the cross-platform Event Master Toolset, providing a step-by-step approach to system configuration
- $\cdot$  Using the same modular cards as the E2, the S3-4K is serviceable in the field and ready for future signal interfaces
- · Dual, redundant power supplies for maximum peace of mind
- · Widescreen blending support

## **S3-4K Jr**

Bringing the same performance and features as the S3-4K, the S3-4K Jr model is ideally suited for applications that do not require the full capacity of the S3-4K. It comes with 8 inputs, 4 outputs, and 2 mixers in the same 3 RU form factor as its bigger S3-4K brother. S3-4K Jr grows with your shows so you can easily upgrade the S3-4K Jr to a fully loaded S3-4K system at any time. Simply purchase and install additional cards into your system.



4K inputs - each input card supports up to 4K@60p  4 x SD/HD/36 SDI (6G ready)  4 x HDMI 1.4a (297 Mpix/sec max)  10 outputs via 3 output cards (same cards as E2 Event Master Processor)· Up to 4K outputs - each output card supports up to 4K@60 p  4 x SD/HD/36 SDI (6G ready)  4 x HDMI 1.4a (297 Mpix/sec max)  2 x HDMI 1.4a for Multiviewer (297 Mpix/sec max)  4 Analog reference input/loop on BNC connectors; bi-level and blackburst at SD tri-level at HD  53D Sync: 4x input Din connector, 2x output Din connector  4 program output  4 program outputs configurable as single screens or tiled/blended widescreer Configurable from 4X 2048X1200@60 max to 1 x 4096x2400@60 max  Independent edge blending/feathering control for all four sides  5 caled Aux outputs  User definable from 4 x 2048x1200@60 to 1 x 4K@60  Output color correction  Mixers  Native resolution background mixer per output screen  Independent layer transitions or full Preview/Program transition	Product specifications	S3-4K series
## AK outputs - each output can'd supports up to 4K@60 p 4 x SDy/RD/36 SDI (6 Fready) 4 x RD/RD/36 SDI (6 Fready) 530 Sync 4x Input Din connector, 2x output Din connector Program output 4 program outputs configurable as single screens or tiled/blended widescreer configurable from 4 x 2048x1200@60 max to 1 x 408x2400@60 max - Independent edge blending/feathering control for all four sides  **Caled Aux outputs**  **User definable from 4 x 2048x1200@60 max to 1 x 408x2400@60 max - Independent edge blending/feathering control for all four sides  **User definable from 4 x 2048x1200@60 to 1 x 4k@60 Output color correction Output color correction  **Wixers**  **Native resolution background mixer per output screen - Independent layer ransitions or full Preview/Program transition - Flexible layer allocation - 4 scalable PIP/key layer mixers assignable to any - Program output screens  **Still stores** Layer effects**  **Available in background or PIP  Layer effects**  **Borders (hard, soft, halo) and drop shadows - Cofor effects - Storbe, H&Y Hip - Luma key - PIP moves via Keyframes  **Multiviewer**  **Borders (hard, soft, halo) and drop shadows - Cofor effects - Storbe, H&Y Hip - Luma key - PIP moves via Keyframes  **Expandability**  **Easily expandable for larger display applications via proprietary links - Easily expandable for larger display applications via proprietary links - Unit units to increase available inputs and Outputs for larger tiled/blended - widescreen applications - Expansion via simple linking - up to 4 chassis - Sark Ships with the ability to link chassis for expansion. Linking up to 4 chassis will be available in a future software release.  **HDCP**  **DEC compliant**  **Control**  **Event Master screen management software for PC or MAC - Ethernet R.P.45, 1000/100/10 Mbps autosense.  **Propriet Pip Act Act Sol Sol Revented Pip Act Act Sol Sol Revented Pip Act Ac	Video inputs	· 4 x SD/HD/3G SDI (6G ready) · 4 x HDMI 1.4a (297 Mpix/sec max)
Program output  A program output configurable as single screens or itled/blended widescreen configurable from 4x 2048x1200@60 max to 1x 409x2400@60 max to 1x 400x2400@60 max to 1x 400x2400@60 max to 1x 400x2400@60 max to 1x 400x2400@60 max to 1x 40x2400@60 max to 1x 40x2400 max to 1x 40x2400@60 max to 1x 40x2400 max to 1x 40x240 m	Video outputs	· 4 x SD/HD/3G SDI (6G ready) · 4x HDMI 1.4a (297 Mpix/sec max)
Configurable from 4 x 2048x1200@60 max to 1 x 4099x2400@60 max - Independent edge blending/feathering control for all four sides  Lindependent edge blending/feathering control for all four sides  User definable from 4 x 2048x1200@60 to 1 x 4K@60 Output color correction  Mixers  I Native resolution background mixer per output screen Independent layer transitions or full Preview/Program transition Flexible layer allocation – 4 scalable PIP/key layer mixers assignable to any Program output screens Independent layer transitions or full Preview/Program transition Flexible in background or PIP  Layer effects  Stribe, HaV flip Luma key PIP moves via Keyframes  Multiviewer  Flexible user-definable layouts Monitor all Inputs and Outputs, including Preview and Aux Two outputs Dedicated hardware same as E2 Event Master Processor  Expandability  Fasily expandable for larger display applications via proprietary links Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications Expansion via simple linking - up to 4 chassis Fasily expandable in a future software release.  HDCP  HDCP compliant  Control  Fevent Master screen management software for PC or MAC Fethemet RJ-45, 1000/100/10 Mbps autosense  Serviceability Field-Serviceable I/O and processing cards (not hot-swappable) Hot swappable dual-redundant power supplies  Field-Serviceable I/O and processing cards (not hot-swappable) Hot swappable dual-redundant power supplies  Weight Power  Input power: 100-240 VAC 50/60Hz 700W Dual-redundant, hot-swappable power supplies, same as E2 Event Master processor	Genlock	
Mixers    Native resolution background mixer per output screen   Independent layer transitions or full Preview/Program transition   Flexible layer allocation – 4 scalable PIP/key layer mixers assignable to any Program output screens	Program output	4 program outputs configurable as single screens or tiled/blended widescreens · Configurable from 4X 2048X1200@60 max to 1 x 4096x2400@60 max · Independent edge blending/feathering control for all four sides
Independent layer transitions or full Preview/Program transition   Flexible layer allocation – 4 scalable PIP/key layer mixers assignable to any Program output screens	Scaled Aux outputs	User definable from 4 x 2048x1200@60 to 1 x 4K@60 Output color correction
Still stores       Available in background or PIP         Layer effects	Mixers	<ul> <li>Independent layer transitions or full Preview/Program transition</li> <li>Flexible layer allocation – 4 scalable PIP/key layer mixers assignable to any</li> </ul>
Color effects Strobe, HBV flip Luma key PIP moves via Keyframes  Multiviewer  Flexible user-definable layouts Monitor all Inputs and Outputs, including Preview and Aux Two outputs Dedicated hardware same as E2 Event Master Processor  Expandability  Easily expandable for larger display applications via proprietary links Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications Expansion via simple linking - up to 4 chassis S3-4K ships with the ability to link 2 chassis for expansion. Linking up to 4 chassis will be available in a future software release.  HDCP HDCP compliant  Control  Event Master screen management software for PC or MAC Ethernet RJ-45, 1000/100/10 Mbps autosense  Field-Serviceable I/O and processing cards (not hot-swappable) Hot swappable dual-redundant power supplies  Dimensions  Height: 43.26 cm / 5.22 inches 3 rack mount units Width: 43.2 cm / 17 inches without chassis handles, 48.3 cm / 19 inches with chassis handles attached Depth: 54 cm / 21.33 inches overall  Weight  Power  Power  Poual-redundant, hot-swappable power supplies; same as E2 Event Master processor	Still stores	
Monitor all Inputs and Outputs, including Preview and Aux  Two outputs Dedicated hardware same as E2 Event Master Processor  Expandability  Easily expandable for larger display applications via proprietary links Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications Expansion via simple linking - up to 4 chassis S3-4K ships with the ability to link 2 chassis for expansion. Linking up to 4 chassis will be available in a future software release.  HDCP  HDCP compliant  Control  Event Master screen management software for PC or MAC Ethernet RJ-45, 1000/100/10 Mbps autosense  Serviceability  Field-Serviceable I/O and processing cards (not hot-swappable) Hot swappable dual-redundant power supplies  Dimensions  Height: 13.26 cm / 5.22 inches 3 rack mount units Width: 43.2 cm / 17 inches without chassis handles, 48.3 cm / 19 inches with chassis handles attached Depth: 54 cm / 21.33 inches overall  Weight  24 kg / 53 lbs  Power  Input power: 100-240 VAC 50/60Hz 700W Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor	Layer effects	<ul> <li>Color effects</li> <li>Strobe, H&amp;V flip</li> <li>Luma key</li> </ul>
Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications  Expansion via simple linking - up to 4 chassis  S3-4K ships with the ability to link 2 chassis for expansion. Linking up to 4 chassis will be available in a future software release.  HDCP  HDCP compliant  Control  Event Master screen management software for PC or MAC Ethernet RJ-45, 1000/100/10 Mbps autosense  Serviceability  Field-Serviceable I/O and processing cards (not hot-swappable)  Hot swappable dual-redundant power supplies  Dimensions  Height: 13.26 cm / 5.22 inches 3 rack mount units  Width: 43.2 cm / 17 inches without chassis handles, 48.3 cm / 19 inches with chassis handles attached  Depth: 54 cm / 21.33 inches overall  Weight  Power  Input power: 100-240 VAC 50/60Hz 700W  Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor	Multiviewer	<ul> <li>Monitor all Inputs and Outputs, including Preview and Aux</li> <li>Two outputs</li> </ul>
HDCP compliant  Control  Event Master screen management software for PC or MAC Ethernet RJ-45, 1000/100/10 Mbps autosense  Serviceability  Field-Serviceable I/O and processing cards (not hot-swappable) Hot swappable dual-redundant power supplies  Dimensions  Height: 13.26 cm / 5.22 inches 3 rack mount units Width: 43.2 cm / 17 inches without chassis handles, 48.3 cm / 19 inches with chassis handles attached Depth: 54 cm / 21.33 inches overall  Weight  Power  Input power: 100-240 VAC 50/60Hz 700W Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor	Expandability	<ul> <li>Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications</li> <li>Expansion via simple linking - up to 4 chassis</li> <li>S3-4K ships with the ability to link 2 chassis for expansion. Linking up to 4</li> </ul>
Ethernet RJ-45, 1000/100/10 Mbps autosense  Field-Serviceable I/O and processing cards (not hot-swappable) Hot swappable dual-redundant power supplies  Dimensions  Height: 13.26 cm / 5.22 inches 3 rack mount units Width: 43.2 cm / 17 inches without chassis handles, 48.3 cm / 19 inches with chassis handles attached Depth: 54 cm / 21.33 inches overall  Weight  24 kg / 53 lbs  Power  Input power: 100-240 VAC 50/60Hz 700W Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor	HDCP	HDCP compliant
Hot swappable dual-redundant power supplies  Height: 13.26 cm / 5.22 inches 3 rack mount units Width: 43.2 cm / 17 inches without chassis handles, 48.3 cm / 19 inches with chassis handles attached Depth: 54 cm / 21.33 inches overall  Weight  24 kg / 53 lbs  Power  Input power: 100-240 VAC 50/60Hz 700W Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor	Control	
■ Reight: 13.26 cm / 17 inches sithout chassis handles, 48.3 cm / 19 inches with chassis handles attached ■ Depth: 54 cm / 21.33 inches overall  Weight  24 kg / 53 lbs  ■ Input power: 100-240 VAC 50/60Hz 700W ■ Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor	Serviceability	■ Field-Serviceable I/O and processing cards (not hot-swappable)
Power  Input power: 100-240 VAC 50/60Hz 700W  Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor	Dimensions	<ul> <li>Width: 43.2 cm / 17 inches without chassis handles, 48.3 cm / 19 inches with chassis handles attached</li> </ul>
<ul> <li>Input power: 100-240 VAC 50/60H2 700W</li> <li>Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor</li> </ul>	Weight	24 kg / 53 lbs
	Power	<ul> <li>Dual-redundant, hot-swappable power supplies; same as E2 Event Master</li> </ul>
	Warranty	<u>'</u>



