

# S3-4K

Compact and expandable Event Master processor



- **Native 4K input and output supported**
- **Easy expansion thanks to interlinking of chassis**
- **Compact and modular design**

Update August 2021: With the release of the S3-4K empty chassis this S3-4K configuration will no longer be available once existing stock is consumed (first come, first served) and we will move fully into Build-to-order (BTO). We will continue to build the S3-4K Jr. configuration and the S3-4K Tri-combo configuration.

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
- 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

**PRODUCT SPECIFICATIONS****S3-4K**

<b>Model</b>	NGS-3U
<b>Live effects canvas</b>	Up to 20 megapixels in PVW/PGM or 40 megapixels in PGM only mode
<b>Video inputs</b>	12 HD inputs via 3 input cards (Event Master series cards) <ul style="list-style-type: none"><li>■ Up to 3x 4K inputs - each input card supports up to 4K@60p</li><li>■ 4x SD/HD/3G SDI</li><li>■ 4x HDMI 1.4a (297 MHz max)</li><li>■ 4x DisplayPort 1.1 (300 MHz max)</li></ul>
<b>Video outputs</b>	12 HD outputs via 3 output cards (Event Master Series Cards) <ul style="list-style-type: none"><li>■ Up to 3x 4K outputs - each output card supports up to 4K@60 p</li><li>■ 4x SD/HD/3G SDI (6G reay)</li><li>■ 4x HDMI 1.4a (297 MHz max)</li><li>■ 2x HDMI 1.4a for Multiviewer (297 MHz max) or 4x HDMI 1.4a when used as standard output card</li></ul>
<b>Genlock</b>	Analog reference input/loop on BNC connectors; bi-level and blackburst at SD and tri-level at HD S3D Sync: 4x input Din connector, 2x output Din connector
<b>Program output</b>	Up to 12 outputs configurable as single screens or tiled/blended widescreens (preview and Multi-Viewer not available in all configurations). Configurable for up to 12x 2048X1200@60 or up to 3x 4096x2400@60 Independent edge blending/feathering control for all four sides.
<b>Scaled Aux outputs</b>	User-definable from 12x 2048x1200@60 to 3x 4K@60 All outputs can be defined as Aux destinations for a total of 12 Aux outputs Output color correction
<b>Mixers</b>	<ul style="list-style-type: none"><li>■ Native resolution background mixer per output screen</li><li>■ Independent layer transitions or full Preview/Program transition</li><li>■ Flexible layer allocation - 4 mixable or 8 single scalable PIP/key layers assignable to any Program output screen</li></ul>
<b>Still stores</b>	Up to 100 HD or 25 UHD, depending on the import file size
<b>Layer effects</b>	<ul style="list-style-type: none"><li>■ Borders (hard, soft, halo) and drop shadows</li><li>■ Color effects</li><li>■ Strobe, H&amp;V flip</li><li>■ Luma, chroma and Cut/Fill keys (not all modes support keying)</li><li>■ PIP moves via Keyframes</li></ul>
<b>Multiviewer</b>	<ul style="list-style-type: none"><li>■ Flexible user-definable layouts</li><li>■ Monitor all Inputs and Outputs, including Preview and Aux</li><li>■ Two outputs</li><li>■ Dedicated hardware same as E2 Event Master Processor</li></ul>
<b>Expandability</b>	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 to 1xE2 or 4x EX chassis, or up to 7 more S3-4K chassis S3-4K ships with the ability to link 8 chassis for expansion
<b>HDCP</b>	HDCP compliance determined by installed cards.

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<b>Control</b>	<ul style="list-style-type: none"><li>■ Event Master screen management software for PC or Mac</li><li>■ Event Master Controllers</li><li>■ WebUI</li><li>■ Ethernet RJ-45, 1000/100/10 Mbps autosense</li></ul>
<b>Serviceability</b>	<ul style="list-style-type: none"><li>■ Field-serviceable I/O and processing cards (not hot-swappable)</li><li>■ Hot swappable dual-redundant power supplies</li></ul>
<b>Noise Level</b>	Max 51.3 dB avg. Fans at 100%. Fan speed is software-managed based on operating temperature. Reference ISO 7779
<b>Dimensions</b>	<ul style="list-style-type: none"><li>■ Height: 13.26 cm / 5.22" - 3 RU rack mount</li><li>■ Width: 43.2 cm / 17" without chassis handles, 48.3 cm / 19" with chassis handles attached</li><li>■ Depth: 54 cm / 21.33" overall</li></ul>
<b>Weight</b>	24 kg / 53 lbs
<b>Power</b>	Input power: 100-240 VAC 50/60Hz 826 Watt Dual-redundant, hot-swappable power supplies
<b>Environmental temperature</b>	0-40° C / 32-104 F
<b>Environmental humidity</b>	0-95% non-condensing (non-operating) 0-85% non-condensing (operational)
<b>Warranty</b>	3 years parts and labor

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Last updated: 05 May 2022

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.