

# S3-4K Jr

Compact and cost-effective Event Master processor



- **Easy and reliable show setup and production**

- **Market-valued 4K performance**

- **Future-proof upgradability to the full S3-4K system**

## **Powerful features, easy operation**

- Modular card-based design
- Easy set-up with the cross-platform Event Master Toolset, providing a step-by-step approach to system configuration
- Serviceable in the field and ready for future signal interfaces via the modular Event Master cards
- Dual, redundant power supplies for maximum peace of mind (optional)
- Widescreen blending support

## PRODUCT SPECIFICATIONS

## S3-4K JR

<b>Model</b>	NGS-3U
<b>Live effects canvas</b>	10 Megapixels PVW/PGM 20 Megapixels PGM only
<b>Video inputs</b>	8 HD inputs via 2 input cards (Event Master series cards) <ul style="list-style-type: none"><li>Up to 2x 4K inputs - each input card supports up to 4K@60p</li><li>4x SD/HD/3G SDI</li><li>2x HDMI 1.4a (297 MHz)</li><li>2x DisplayPort 1.1 (300 MHz)</li></ul>
<b>Video outputs</b>	8 HD outputs via 2 output cards (Event Master Series Cards) <ul style="list-style-type: none"><li>Up to 1x 4K outputs - each output card supports up to 4K@60 p</li><li>4x HDMI 1.4a (297 MHz)</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>	4 program outputs configurable as single screens or tiled/blended widescreens Configurable from 4x 2048x1200@60 max to 1x 4096x2400@60 max Independent edge blending/feathering control for all four sides
<b>Scaled Aux outputs</b>	User-definable from 4x 2048x1200@60 to 1x 4K@60 All outputs can be defined as Aux destinations for a total of 8 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 – 2 mixable or 4 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>	Linking is available as an upgrade option
<b>HDCP</b>	HDCP compliance determined by installed cards
<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 units</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>	21.3 kg / 47 lbs
<b>Power</b>	Input power: 100-240Vac, 50/60Hz, 8.8A (x2), 700W Ships with single power supply. Optional Dual-redundant, hot-swappable power supplies available as upgrade.
<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

Last updated: 13 Mar 2023

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