

# 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**

## 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>	<ul style="list-style-type: none"> <li>■ 12 HD inputs via 3 input cards (Event Master series cards)</li> <li>■ Up to 3 x 4K inputs</li> <li>■ each input card supports up to 4K@60p</li> <li>■ 4 x SD/HD/3G SDI</li> <li>■ 4 x HDMI 1.4a (297 Mpix/sec max)</li> <li>■ 4 x DisplayPort 1.1 (300 Mpix/sec max)</li> </ul>
<b>Video outputs</b>	<ul style="list-style-type: none"> <li>■ 12 HD outputs via 3 output cards (Event Master Series Cards)</li> <li>■ Up to 3x 4K outputs - each output card supports up to 4K@60 p</li> <li>■ 4 x SD/HD/3G SDI - 4x HDMI 1.4a (297 Mpix/sec max)</li> <li>■ 2 x HDMI 1.4a for Multiviewer (297 Mpix/sec max) 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 can be assigned to a variety of single, tiled, or blended widescreen configurations (preview and Multi-Viewer not available in all configurations). Configurable for up to 12x 2048X1200@60 or up to 3x 4096x2400@60 outputs supporting Aux or Program destinations -Independent edge blending/feathering control for all four sides.
<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</li> <li>■ 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>	<ul style="list-style-type: none"> <li>■ Easily expandable for larger display applications via proprietary links</li> <li>■ Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications</li> <li>■ Expansion via simple linking - up to 8 chassis</li> </ul>
<b>HDCP</b>	HDCP compliance determined by installed cards.
<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 (optional)</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 inches</li> <li>■ 3 RU rack mount</li> <li>■ Width: 43.2 cm / 17 inches without chassis handles, 48.3 cm / 19 inches with chassis handles attached</li> <li>■ Depth: 54 cm / 21.33 inches overall</li> </ul>
<b>Weight</b>	21.3 kg / 47 lbs
<b>Power</b>	<ul style="list-style-type: none"> <li>■ Input power: 100-240 VAC 50/60Hz 826 Watt</li> <li>■ Ships with single power supply. Optional Dual-redundant, hot-swappable power supplies available as upgrade.</li> </ul>
<b>Warranty</b>	3 years parts and labor
<b>Environmental temperature</b>	0-40° C / 32-104 F
<b>Environmental humidity</b>	0-95% Non-condensing

**Last updated: 10 Sep 2019**

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