

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**

Model	NGS-3U
Live effects canvas	Up to 20 megapixels in PVW/PGM or 40 megapixels in PGM only mode
Video inputs	■ 12 HD inputs via 3 input cards (Event Master series cards) ■ Up to 3 x 4K inputs ■ each input card supports up to 4K@60p ■ 4 x SD/HD/3G SDI ■ 4 x HDMI 1.4a (297 Mpix/sec max) ■ 4 x DisplayPort 1.1 (300 Mpix/sec max)
Video outputs	■ 12 HD outputs via 3 output cards (Event Master Series Cards) ■ Up to 3x 4K outputs - each output card supports up to 4K@60 p ■ 4 x SD/HD/3G SDI - 4x HDMI 1.4a (297 Mpix/sec max) ■ 2 x HDMI 1.4a for Multiviewer (297 Mpix/sec max) 4X HDMI 1.4a when used as standard output card
Genlock	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
Program output	-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.
Mixers	■ Native resolution background mixer per output screen ■ Independent layer transitions or full Preview/Program transition ■ Flexible layer allocation ■ 4 mixable or 8 single scalable PIP/key layers assignable to any Program output screen
Still stores	Up to 100 HD or 25 UHD, depending on the import file size
Layer effects	■ Borders (hard, soft, halo) and drop shadows ■ Color effects ■ Strobe, H&V flip ■ Luma, chroma and Cut/Fill keys (not all modes support keying) ■ 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 8 chassis
HDCP	HDCP compliance determined by installed cards.
Serviceability	■ Field-serviceable I/O and processing cards (not hot-swappable) ■ Hot swappable dual-redundant power supplies (optional)
Noise Level	Max 51.3 dB avg. Fans at 100%. Fan speed is software-managed based on operating temperature. Reference ISO 7779
Dimensions	■ Height: 13.26 cm / 5.22 inches ■ 3 RU rack mount ■ 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	21.3 kg / 47 lbs
Power	■ Input power: 100-240 VAC 50/60Hz 826 Watt ■ Ships with single power supply. Optional Dual-redundant, hot-swappable power supplies available as upgrade.
Warranty	3 years parts and labor
Environmental temperature	0-40° C / 32-104 F
Environmental humidity	0-95% Non-condensing

Last updated: 29 Apr 2020Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.