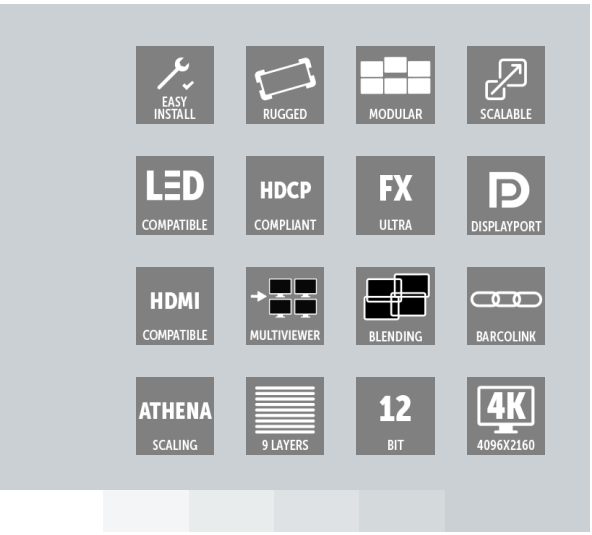
S3-4K

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 3x 4K inputs - each input card supports up to 4K@60p ■ 4x SD/HD/3G SDI ■ 4x HDMI 1.4a (297 MHz max) ■ 4x DisplayPort 1.1 (300 MHz 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 ■ 4x SD/HD/3G SDI (6G reay) 4x HDMI 1.4a (297 MHz max) 2x HDMI 1.4a for Multiviewer (297 MHz max) or 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 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.
Scaled Aux outputs	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
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 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
HDCP	HDCP compliance determined by installed cards.

PRODUCT SPECIFICATIONS	S3-4K
Control	■ Event Master screen management software for PC or Mac ■ Event Master Controllers ■ WebUI ■ 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
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" - 3 RU rack mount ■ Width: 43.2 cm / 17" without chassis handles, 48.3 cm / 19" with chassis handles attached ■ Depth: 54 cm / 21.33" overall
Weight	24 kg / 53 lbs
Power	Input power: 100-240 VAC 50/60Hz 826 Watt Dual-redundant, hot-swappable power supplies
Environmental temperature	0-40° C / 32-104 F
Environmental humidity	0-95% Non-condensing
Warranty	3 years parts and labor

Last updated: 25 Jun 2020

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.