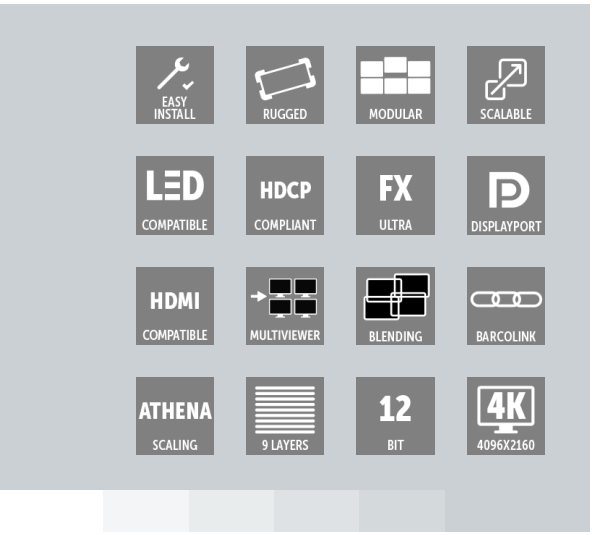
S3 Tri-combo

Compact, expandable 4K60p Event Master processor





Featuring 14 inputs, 14 outputs, the S3 Tri-combo adds more capacity with Tri-combo input and output cards supporting up to 4K60p on a single cable. Under the hood it boasts the same processing performance, image quality, flexibility and durability as the S3-4K, the only difference being more Input and output capacity. In short: all the tools you need to create a stunning live experience, in a single compact and roadworthy housing.

Powerful features, easy operation

- Pre-loaded with three I/O cards
- Interlinking of S3-4K chassis allows expansion of inputs, outputs or layers
- Easy step-by-step set-up with the cross-platform Event Master Toolset
- 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 TRI-COMBO
Model	NGS-3U
Live effects canvas	Up to 20 megapixels in PVW/PGM or 40 megapixels in PGM only mode
Video inputs	14 HD inputs via 3 input cards (HDMI/DP combo 4 inputs, Tri-combo 6 inputs per card) ■ Up to 4x 4K inputs - (HDMI/DP combo 1x 4K@60p, Tri-Combo 2x 4K@60p per card) ■ 4x SD/HD/3G/6G/12G SDI connectors (Tri-Combo card) ■ 4x HDMI 1.4a (297 MHz max) ■ 1x HDMI 2.0 (Tri-Combo card) ■ 1x DisplayPort 1.2 (Tri-Combo card) ■ 4x DisplayPort 1.1 (300 MHz max)
Video outputs	14 HD outputs via 3 output cards ■ Up to 4x 4K outputs - HDMI output card supports 1x 4K60p, Tri-combo supports 2x 4K60p or 6x HD ■ TriCombo output card supports 4x SD/HD/3G/6G/12G, 1x HDMI 2.0, and 1x DisplayPort 1.2 connectors ■ 4x HDMI 1.4a (297 MHz max) ■ 2x HDMI 1.4a for Multiviewer (297 MHz 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 HDwbr /> S3D Sync: 4x input Din connector, 2x output Din connector
Program output	Up to 14 program configurable as single screens or tiled/blended widescreens (preview and Multi-Viewer not available in all configurations) Configurable for up to 14x 2048X1200@60 or up to 4x 4096x2400@60 Independent edge blending/feathering control for all four sides
Scaled Aux outputs	User definable for up to 14x 2048x1200@60 to 4x 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 screens
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: 1x E2 or 4x EX chassis, or up to 7 more S3-4K chassis S3-4K ships with the ability to link 8 chassis for expansion

PRODUCT SPECIFICATIONS	S3 TRI-COMBO
HDCP	HDCP compliance determined by installed cards.
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 Aug 2020

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