

# 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**

<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>	14 HD inputs via 3 input cards (HDMI/DP combo 4 inputs, Tri-combo 6 inputs per card) -Up to 4 x 4K inputs -(HDMI/DP combo 1 4K@60p, Tri-Combo 2 4K @60p per card) -4x SD/HD/3G/6G/12G SDI connectors (Tri-Combo card) -4x HDMI 1.4a (297 Mpix/sec max) -1x HDMI 2.0 (Tri-Combo card) -1x DisplayPort 1.2 (Tri-Combo card) -4x DisplayPort 1.1 (300 Mpix/sec max)
<b>Video outputs</b>	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 4 x SD/HD/3G/6G/12G 1x HDMI 2.0, and 1x DisplayPort 1.2 connectors -4x HDMI 1.4a (297 Mpix/sec max) -2x HDMI 1.4a for Multiviewer (297 Mpix/sec max) 4X HDMI 1.4a when used as standard output card
<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 14 program 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 14x 2048X1200@60 or up to 4x 4096x2400@60 outputs supporting Aux or Program destinations -Independent edge blending/feathering control for all four sides -90 degree Rotation available on Tri-Combo output card.
<b>Mixers</b>	-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
<b>Still stores</b>	Up to 100 HD or 25 UHD, depending on the import file size.
<b>Layer effects</b>	-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
<b>Multiviewer</b>	-Flexible user-definable layouts -Monitor all Inputs and Outputs, including Preview and Aux -Two outputs -Dedicated hardware same as E2 Event Master Processor
<b>Expandability</b>	-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
<b>HDCP</b>	HDCP compliance determined by installed cards.
<b>Control</b>	-Event Master screen management software for PC or MAC -Event Master Controllers -WebUI - Ethernet RJ-45, 1000/100/10 Mbps autosense
<b>Serviceability</b>	-Field-Serviceable I/O and processing cards (not hot-swappable) -Hot swappable dual-redundant power supplies
<b>Dimensions</b>	-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
<b>Weight</b>	24 kg / 53 lbs
<b>Power</b>	-Input power: 100-240 VAC 50/60Hz 826 Watt -Dual-redundant, hot-swappable power supplies
<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: 11 Jul 2019**

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