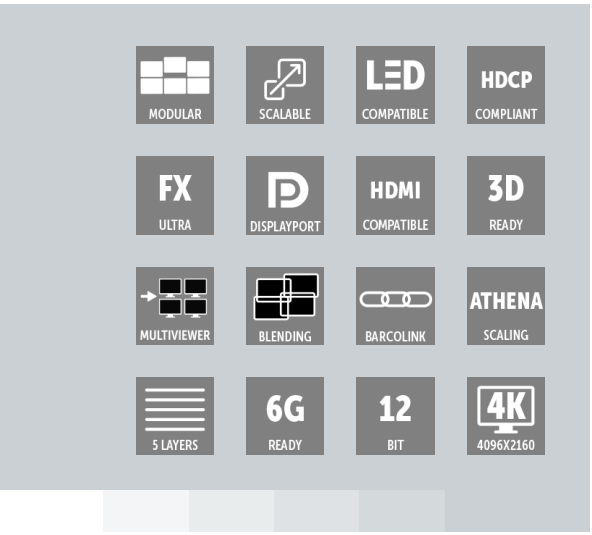
S3-4K VR series

Compact 4K screen management systems with 3D stereo support





- **Native 4K input and output supported**
- **Easy expansion thanks to interlinking of chassis**
- **Compact and modular design**

Featuring 12 input channels, 4 PROGRAM outputs, 4 AUX outputs and 2 dedicated Multiviewer outputs, the S3-4K VR is the E2 VR image processor's more compact sidekick. Under the hood, however, it boasts the same processing performance, image quality, flexibility and rugged durability. In short: all the tools you need to manage your VR display system, in a single compact and rugged housing.

With the VR (Virtual Reality) version of the S3-4K screen management system you add 3D stereo capability to the Event Master product portfolio while benefiting from the unprecedented performance, expandability and reliability of the Event Master product family.

Powerful features, easy operation

- Modular card-based design
- Interlinking of S3-4K VR 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 VR, the S3-4K VR 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 VR SERIES
Model	NGS-3U / NGS-3U BTO
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	4 program outputs configurable as single screens or tiled/blended widescreens ■ Configurable from 4X 2048X1200@60 max to 1 x 4096x2400@60 max ■ Independent edge blending/feathering control for all four sides
Scaled Aux outputs	User definable from 4 x 2048x1200@60 to 1 x 4K@60 Output color correction
Mixers	■ Native resolution background mixer per output screen ■ Independent layer transitions or full Preview/Program transition ■ Flexible layer allocation – 4 scalable PIP/key layer mixers assignable to any Program output screens
Video inputs	12 inputs via 3 input cards (same cards as E2 Event Master Processor) ■ Up to 3 x 4K inputs - each input card supports up to 4K@60p ■ 4 x HDMI 1.4a (297 Mpix/sec max) ■ 4 x DisplayPort 1.1 (330 Mpix/sec max) ■ 4 x SD/HD/3G SDI (6G ready) (Optional)
Video outputs	10 outputs via 3 output cards (same cards as E2 Event Master Processor) ■ Up to 2x 4K outputs - each output card supports up to 4K@60 p ■ 4x HDMI 1.4a (297 Mpix/sec max) ■ 2 x HDMI 1.4a for Multiviewer (297 Mpix/sec max) ■ 4 x SD/HD/3G SDI (6G ready) (Optional)
Still stores	Available in background or PIP
Layer effects	■ Borders (hard, soft, halo) and drop shadows ■ Color effects ■ Strobe, H&V flip ■ Luma key ■ 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 4 chassis ■ S3-4K ships with the ability to link 2 chassis for expansion. Linking up to 4 chassis will be available in a future software release.
HDCP	HDCP compliant
Control	■ Event Master screen management software for PC or MAC ■ 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
Dimensions	■ Height: 13.26 cm / 5.22 inches 3 rack mount units ■ 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	24 kg / 53 lbs
Power	■ Input power: 100-240 VAC 50/60Hz 700W ■ Dual-redundant, hot-swappable power supplies; same as E2 Event Master processor
Warranty	3 years parts and labor

Last updated: 10 Sep 2019

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