

Barco E2 Gen 2 High Resolution Live Event Switcher

Mfr No. R9009203
Rentex No. ENC2000

With up to 40 inputs and 18 outputs, the E2 Gen 2 processor provides full screen control. The E2 Gen 2 offers 16 4K inputs and 8 4K outputs enabling impressive pixel processing power with increased processing speed. Whether native or scaled inputs, single cable 4K60p, two connectors or four, this HDCP-compliant system manages it all. Thanks to powerful linking, you can expand up to 8 E2 Gen 2s working as one without the need for additional external processing and matrix routing to distribute signals. The full processing power of each linked E2 is added to the system.

Latest generation of the most versatile high-resolution events switcher

New HDMI 2.0 Multiviewer capable of 4x HD or 1x 4K Multiviewer outputs

Fully compatible and linkable with all existing Event Master systems including e2 Gen1, s3-4k, and EX

Now up to 16x 4k60 Inputs and 6x 4k60 Outputs; 40x in and 14x out in HD (plus 4 multiviewers)



Rentex stocks the full set of Gen 2 Modular cards to provide your exact custom configuration in any E2, S3, Ex, or ImagePRO 4k.

Choose from:



- Barco 4K60 Tri-Combo Input Card (DP1.2, HDMI2.0, 12G-SDI)
- Barco 4K60 Tri-Combo Output Card (DP1.2, HDMI2.0, 12G-SDI)
- Barco Fiber Output Card (2x 12G-SDI directly to single mode fiber)
- Barco CXP I/O Card (ex Expansion/Stage box role in linked systems)
- Barco HDMI 2.0 Quad Input Card
- Barco HDMI 2.0 Quad Output Card
- Barco DisplayPort 1.2 Quad Input Card
- Barco DisplayPort 1.2 Quad Output Card

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Product Specifications

Live effects canvas	Up to 20 Megapixels PVW/PGM 40 Megapixels PGM only 80 Megapixels @30p and PGM only
Video inputs	40 inputs via 8 input cards (Event Master series cards) <ul style="list-style-type: none">Up to 16 x 4K inputs - each input card supports up to 2x 4K@60p16 x SD/HD/3G/6G/12G connectors12 x HDMI 2.0 (600 MHz max)12 x DisplayPort 1.2 (600 MHz max)
Video outputs	Up to 18 output connectors among 4 output cards (Event Master series 2 cards) {each output card supports up to 2x 4K@60p} <ul style="list-style-type: none">4 x SDI (SD/HD/3G/6G/12G),13 x HDMI (up to 600 MHz)1 x DisplayPort(up to 660 MHz) NO MVR: Up to 8 x 4K60p outputs WITH MVR: Up to 6x 4K60p outputs and either 4x HDMI for FHD Multi-viewers (1920x1200 max) OR 1x HDMI for UHD/4K60p Multi-viewer
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 18 program outputs configurable as single screens or tiled/blended widescreens (preview and Multi-Viewer not available in all configurations) Configurable for up to 18x 2048X1200@60 or up to 8x 4096x2400@60 Independent edge blending/feathering control for all four sides
Scaled Aux outputs	User definable for up to 18x 2048x1200@60 or up to 8x 4K@60 All outputs can be defined as Aux destinations for a total of 18 Aux outputs Output color correction (preview and Multi-Viewer not available in all configurations)
Mixers	<ul style="list-style-type: none">Native resolution background mixer per output screenIndependent layer transitions or full Preview/Program transitionFlexible layer allocationUp to 16 mixable or 32 single scalable PIP/key layers assignable to Program output screens
Still stores	Up to 100 HD or 25 UHD, depending on the import file size
Layer effects	<ul style="list-style-type: none">Borders (hard, soft, halo) and drop shadowsColor effectsStrobe, H&V flipLuma, chroma and Cut/Fill keys (not all modes support keying)PIP moves via Keyframes
Multiviewer	<ul style="list-style-type: none">Flexible user-definable layoutsMonitor all Inputs and Outputs, including Preview and AuxTwo outputsDedicated hardware same as E2 Event Master Processors
Expandability	<ul style="list-style-type: none">Easily expandable for larger display applications via proprietary linksLink units to increase available Inputs and Outputs for larger tiled/blended widescreen applicationsExpansion via simple linking to:<ul style="list-style-type: none">2 S3-4K or 8 Ex chassis, or 1 S3-4K plus 4 Ex chassis, or up to 7 more E2 Gen 1/Gen 2 chassis
Dimensions	<ul style="list-style-type: none">Height: 17.8 cm (7.0 in) - 4 RU rackmountWidth: 43.2 cm (17 in) without chassis handles, 48.3 cm (19 in) with chassis handles attachedDepth: 56.9 cm (22.4 in) from front panel to rear panel, 62.2 cm (24.5 in) overall
Weight	68 lbs. 31kg
Power	Input power: 100-240 VAC 50/60Hz 826W