# E2 Tri-combo

## Full sized 4K60p Event Master processor



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|---|---|---|---|
| EASY INSTALL | 12G READY | RUGGED | MODULAR |
| SCALABLE | LED COMPATIBLE | HDCP COMPLIANT | FX ULTRA |
| DISPLAYPORT | HDMI COMPATIBLE | 3D READY | 33 LAYERS |
| MULTIVIEWER | BARCOLINK | ATHENA SCALING | 12 BIT |
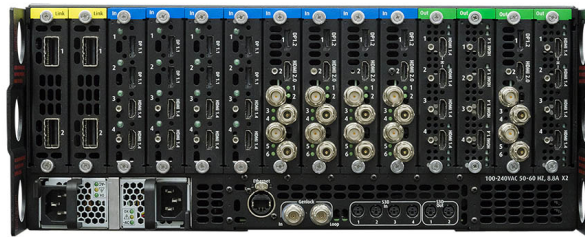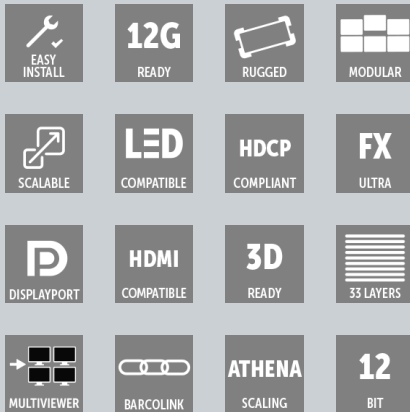
- **Full show control with pre-configured cards**

- **Native 4K60p input and output on a single cable**

- **Intuitive user interface**

The Tri-combo configuration of the E2 features four Tri-combo input cards, and one Tri-combo output card.  These new cards support 4K 60p on a single cable.  With software version 6.0 and greater, the input cards support 2x 4K60p on a single cable or 6x HD inputs (when installed in dual capacity input slots). The Tri-combo output card supports 2x 4K 60p or 6x HD.  This boosts the Tri-combo E2 configuration to an impressive 40 HD inputs or 12 4K60p inputs and up to 5 4K60p or 18 HD outputs. This new E2 has extra capacity and flexibility to support your growing shows.

BARCO

| PRODUCT SPECIFICATIONS | E2 TRI-COMBO |
|---|---|
| Model | NGS-4U |
| Live effects canvas | Up to 20 Megapixels PVW/PGM<br>40 Megapixels PGM only<br>80 Megapixels @30p and PGM only |
| Video inputs | ■ 40 inputs via 8 input cards (HDMI/DP combo 4 inputs, Tri-combo 6 inputs per card)<br>■ Up to 12x 4K inputs -( HDMI/DP combo 1x 4K@60p, Tri-Combo 2x 4K@60p per card)<br>■ 16x SDI SD/HD/3G/6G/12G connectors<br>■ 8 x HDMI 1.4a (297 MPix/sec max)<br>■ 4 x HDMI 2.0 (594 MPix/sec max)<br>■ 8 x DisplayPort 1.1 (300 MPix/sec max)<br>■ 4 x DisplayPort 1.2 (600 MPix/sec max) |
| Video outputs | ■ 18 HD outputs via 4 output cards (Event Master series cards)<br>■ Up to 5x 4K outputs<br>■ HDMI output card supports 1 4K60p or 4 HD. Tri-combo supports 2 4K60p or 6 HD<br>■ TriCombo output card supports 4 x SD/HD/3G/6G/12G 1x HDMI 2.0, and 1x DisplayPort 1.2 connectors<br>■ 8x HDMI 1.4a (297 Mpix/sec max)<br>■ 3x HDMI 1.4a output cards support 4 HDMI connectors each. The top two connectors of the card support up to 297 MPix/sec (2560x1600 typical). The bottom two connectors support 165 MPix/sec (1920x1200 typical).<br>■ The right most HDMI card (slot 14) may also be used as a two output Multi-viewer. |
| Genlock | Analog reference input/loop on BNC connectors; bi-level and blackburst at SD and tri-level at HD<br>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)<br>■ Up to 16x 2048x1200@60p or 4x 3840x2400@60p<br>■ Independent edge blending/feathering control for all four sides<br>■ Tri-combo supports 90degree output rotation |
| Mixers | ■ Native resolution background mixer per output screen<br>■ Independent layer transitions or full Preview/Program transition<br>■ Flexible layer allocation – up 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 | ■ Borders (hard, soft, halo) and drop shadows<br>■ Color effects<br>■ Strobe, H&V flip<br>■ Luma, chroma and Cut/Fill keys (not all modes support keying)<br>■ PIP moves via Keyframes |
| Multiviewer | ■ Flexible user-definable layouts<br>■ Monitor all Inputs and Outputs, including Preview and Aux<br>■ Two outputs<br>■ Dedicated hardware same as E2 Event Master Processor |

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|---|---|
| Expandability | <ul><li>Easily expandable for larger display applications via proprietary links</li><li>Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications</li><li>Expansion via simple linking<ul><li>Up to 8 E2 chassis can be linked</li><li>2 linking cables are included with each E2 chassis</li></ul></li></ul> |
| HDCP | HDCP compliannce determined by installed cards. |
| Serviceability | <ul><li>Field-Serviceable I/O and processing cards (not hot-swappable)</li><li>Hot swappable dual-redundant power supplies</li></ul> |
| Noise Level | Max 52.9 dB avg. Fans at 100%. Fan speed is software-managed based on operating temperature. Reference ISO 7779 |
| Dimensions | Height: 17.8 cm (7.0 in) -4 RU Rack mount<br>Width: 43.2 cm (17.0 in) -without chassis handles, 48.3 cm (19 in) with chassis handles attached<br>Depth: 56.9 cm (22.4 in) from front panel to rear panel, 62.2 cm (24.5 in) overall |
| Weight | 31 kg (68 lbs) |
| Power | <ul><li>Input power: 100-240 VAC 50/60Hz 826 Watt</li><li>Dual-redundant, hot-swappable power supplies</li></ul> |
| Warranty | 3 years parts and labor |
| Environmental temperature | 0-40° C (32-104° F) |
| Environmental humidity | 0-95% Non-condensing |