ENCORE3

World's most versatile Screen Management System

12G READY	**HDR** COMPATIBLE	EASY INSTALL	RUGGED
MODULAR	**LED** COMPATIBLE	**HDCP** COMPLIANT	**FX** ULTRA
DISPLAYPORT	**HDMI™** COMPATIBLE	MULTIVIEWER	BLENDING
BARCOLINK	**ATHENA** SCALING	**12** BIT	**4K** 4096X2160

- **Uncompromised native 4K content processing**

- **Improved setup with assisted workflows**

- **Resilient flexibility with ultra low latency**

- **Integrated Dante & embedded audio**

- **Refined yet familiar user interface**

Better, Faster, Stronger

The Barco Encore3 image processing platform is nothing short of a game-changer. We're giving every live event AV professional broader canvas space, expanded system resources by easy linking, and advanced transition between layers during runtime. High-quality 4K processing with unrivaled flexibility. All boxed into one future-proof solution, for premium peace of mind.

The Encore3 supports a boundless canvas with 8x 4K60 PGM outputs at 12 bits 4:4:4 processing with always available 8x 4K60 layers per screen. Call on embedded audio, screen composition for layered videos, Multiviewer as a source and the ability to manage all your screens.

Build your own configuration

Event Master Encore3 will have a standard, finished and stocked configuration. But as it's a scalable and modular system, it will also be available as BTO -"Build To Order" -system.

- Inputs Up to 7 input capable card slots, each input card supports up to 4x 4K@60p inputs

- Outputs Up to 4 output capable card slots, each output card supports up to 4x 4K@60p outputs

- A system comprises of maximum of two chassis at first release

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Product specifications	ENCORE3
General specifications	
Notes	The specifications in this document are preliminary
Live effects canvas	Boundless canvas with 8x 4K60 PGM outputs
Video inputs	Up to 7 input capable card slots to occupy with Event Master Gen2 cards ■ Each input card supports up to 4x 4K @60p inputs Standard Encore3 Configuration ■ 16x 4K @60p inputs ■ Up to 4x HD/3G/6G/12G SDI connectors ■ Up to 9x HDMI™ 2.0 (up to 4096x2160 @60Hz) ■ Up to 5x DisplayPort 1.2 (up to 4096x2160 @60Hz)
Video outputs	Up to 4 output capable card slots to occupy with Event Master Gen2 cards ■ Each output card supports up to 4x 4K @60p outputs Standard Encore3 Configuration ■ 8x 4K@60p outputs ■ Up to 4x HD/3G/6G/12G SDI connectors ■ Up to 5x HDMI™ 2.0 (up to 4096x2160 @60Hz) ■ Up to 1x DisplayPort (up to 4096x2160 @60Hz)
Genlock	Analog reference input/Output on BNC connectors; bi-level and blackburst at SD and tri-level at HD
Program output	Up to 8 program outputs configurable as single screens or tiled/blended widescreens Configurable for up to 8x 4096 X 2160 @60p Independent edge blending/feathering control for all four sides
Scaled Aux outputs	User definable for up to 8x 4096 x 2160 @60p Each output card supports up to 2x AUX ouputs
Mixers	Positionable non-scaled background mixer per output screen Independent layer transitions or full Preview/Program transitions Pre-assigned 4 mixable / 8 single (up to 16 mixable / 32 single) scalable PIP/key layers per output screen
Still stores	Store up to 2160MB (~60 4K60) of still images, supporting stills up to a staggering 160,000px in either horizontal or vertical dimensions
Layer effects	Borders (hard, soft, halo) and drop shadows Color effects Strobe, H&V flip Luma, chroma and Cut/Fill keys PIP moves via Keyframes
Multiviewer	2x 4K @60p MultiViewer as source that be sent to any output or layer. Flexible user-definable layouts Monitor all Inputs and screens PVW & PGM
Expandability	Standard Encore3 Configuration includes: ■ 1x Quad 100 G High Speed Expansion Link Card for system expansion; each link card supports 15* x 4K60 in & out per card ■ 2x 100G QSFP28 2 meter DAC cables ■ Encore3 ships with the ability to link 2 chassis for expansion at first release Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications Easily expandable for larger display applications via 4x QSFP28 link connection; quad 100G High Speed Expansion Link Card required.
HDCP	HDCP compliance determined by installed cards
Control	Event Master Toolset (V10.x or later) for PC or MAC Event Master controllers WebUI Ethernet RJ-45, 1000/100/10 Mbps autosense
Serviceability	Field-Serviceable I/O cards (not hot-swappable) Hot-swappable dual-redundant power supplies
Dimensions	Height: 175.5 mm (6.9 in) -4 RU rackmount Width: 431.8 mm (17.0 in) without chassis handles, 485.3 mm (19.1 in) with chassis handles attached Depth: 590.54 mm (23.3 in) from front panel to rear panel without handles or connector protectors, 672.29 mm (26.5 in) overall
Weight	Standard config.: 29 kg / 64 lb Standard config shipped with flight case: 48.5 kg / 107 lb Empty chassis: 26.3 kg / 58 lb
Power	Input power: 100-240Vac, 50/60Hz, 12-5A (x2), 1,100 W Dual-redundant, hot-swappable power supplies
Environmental temperature	0-40° C / 32-104 F
Environmental humidity	0-95% non-condensing (non-operating) 0-85% non-condensing (operational)
Warranty	3 years parts and labor

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