

# ENCORE3

World's most versatile Screen Management System



- **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 ~80MP PVW/PGM canvas at 12 bits 4:4:4 processing with no less than 16 fully capable 4K 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

**Product specifications****ENCORE3****General specifications**

<b>Notes</b>	The specifications in this document are preliminary
<b>Live effects canvas</b>	Up to 78.6 Megapixels with PVW & PGM
<b>Video inputs</b>	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 (600 MHz max) · Up to 5x DisplayPort 1.2 (600 MHz max)
<b>Video outputs</b>	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 (up to 600 MHz) · Up to 1x DisplayPort(up to 660 MHz)
<b>Genlock</b>	Analog reference input/Output on BNC connectors; bi-level and blackburst at SD and tri-level at HD
<b>Program output</b>	Up to 8 program outputs configurable as single screens or tiled/blended widescreens  Configurable for up to 8x 4096 X 2400 @60p  Independent edge blending/feathering control for all four sides
<b>Scaled Aux outputs</b>	User definable for up to 8x 4096 x 2400 @60p Each output card supports up to 2x AUX outputs
<b>Mixers</b>	Positionable non-scaled background mixer per output screen Independent layer transitions or full Preview/Program transitions Pre-assigned 8 mixable / 16 single (Or 16 mixable / 32 single) scalable PIP/key layers per output screen
<b>Still stores</b>	Up to 400 HD or 100 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 PIP moves via Keyframes
<b>Multiviewer</b>	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
<b>Expandability</b>	Easily expandable for larger display applications via 4x QSFP28 link connection. Encore3 Link card required. Link units to increase available Inputs and Outputs for larger tiled/blended widescreen applications Encore3 ships with the ability to link 2 chassis for expansion
<b>HDCP</b>	HDCP compliance determined by installed cards
<b>Control</b>	Event Master Toolset (V10.x or later) for PC or MAC Event Master controllers WebUI Ethernet RJ-45, 1000/100/10 Mbps autosense
<b>Serviceability</b>	Field-Serviceable I/O cards (not hot-swappable) Hot-swappable dual-redundant power supplies
<b>Dimensions</b>	Height: 17.8 cm (7.0 in) -4 RU rackmount  Width: 44.2 cm (17.4 in) without chassis handles, 48.5 cm (19.1 in) with chassis handles attached  Depth: 62.4 cm (24.6 in) from front panel to rear panel, 67.2 cm (26.4 in) overall
<b>Power</b>	Input power: 100-240Vac, 50/60Hz, 12-5A (x2), 1,100 W Dual-redundant, hot-swappable power supplies
<b>Environmental temperature</b>	0-40° C / 32-104 F
<b>Environmental humidity</b>	0-95% non-condensing (non-operating) 0-85% non-condensing (operational)
<b>Warranty</b>	3 years parts and labor

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