

# 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	
Notes	The specifications in this document are preliminary
Live effects canvas	Up to 78.6 Megapixels with PVW & PGM
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 (600 MHz max) · Up to 5x DisplayPort 1.2 (600 MHz max)
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 (up to 600 MHz) · Up to 1x DisplayPort(up to 660 MHz)
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 2400 @60p  Independent edge blending/feathering control for all four sides
Scaled Aux outputs	User definable for up to 8x 4096 x 2400 @60p Each output card supports up to 2x AUX outputs
Mixers	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
Still stores	Up to 400 HD or 100 UHD, depending on the import file size
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	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
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: 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
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

Last updated: 09 Apr 2024

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