CARBONITE MOSAIC VIDEO-IMAGE PROCESSOR

Carbonite Mosaic is a dynamic compositing tool that scales your live productions to massive displays. Take advantage of a fully-loaded video-image processing feature set, at one of the best price points in the industry.

Cena:
Kategorie: Video, Produkcja





GALLERY IMAGES



OPIS

Massive Scale

Large-screen displays have grown to massive scale in both size and resolution. Carbonite Mosaic gets the highest quality images on displays of over 20 million pixels.

Handle Any Source

A complete set of video processing resources guarantees a uniform look across your display. For ultra-high-quality imagery, Carbonite Mosaic supports 10bit HDR formats.

Full-Featured, Half-Priced

For a 10-canvas video-image processor, Carbonite Mosaic’s price is an absolute game-changer.

Multi-Screen Power

Powered by 10 independently-controlled tile outputs, it’s easy to weave a massive single display or feed multiple displays throughout your venue – the choice is yours.

Leading Solution

Carbonite Mosaic and XPression Tessera team up for high-quality upscaled video and beautiful pixel-accurate graphics on your display. Live has never looked this good.

Smart Control

Like all Ross products, Carbonite Mosaic is part of the DashBoard Control Ecosystem. DashBoard makes it easy to control your display layouts or even your entire venue, from a single interface.

Features

10 Tile Outputs

With up to 10 independently-controlled tile outputs, it’s easy to put together a massive single display or feed multiple displays across your venue.

Media Storage

While live effects are created upstream, Carbonite Mosaic’s flexible architecture gives every input additional storage space to load a still image. This is great for simple branding or as backup sources for your screens.

Video Processing & HDR

Ensure a consistent look across every canvas. Carbonite Mosaic is built with complete video processing on inputs and outputs. In addition, this system provides support for HDR formats.

Canvas Layouts

Enjoy the ease of preset layouts or create unique layouts for your show.

Monitoring

Manage all your sources and screens with a fully-equipped monitoring platform, including 3 I/O MultiViewers and 1 canvas layout MultiViewer.

Memories & Macros

Mosaic uses the same comprehensive memory and custom control system of Carbonite, to make it easy to store & recall your screen layouts and to condense your show into a few button presses.

Control Interfaces

DashBoard

DashBoard, a comprehensive facility control system, can form the backbone for a complete, integrated venue control environment. Using DashBoard, control of virtually any device, including Mosaic, large displays, audio systems, mechanical devices, even lighting systems and more, can be reduced to simple, one-button operations.

Ross Switcher

Carbonite Mosaic connects directly to Carbonite or Acuity switchers via RossTalk protocol. Recall layouts from your control room switcher for a quick and efficient show.

Applications

This product can be used as part of the following
Smart Production Solutions:

- Sports & Live Venue
- Government
- News
- Corporate
- Virtual Studio
- House of Worship
- Mobile
- Education
- Pixel-Accurate Graphics

XPression Tessera

XPression Tessera brings beautiful graphics to massive display canvases. Tessera is great for complementing your high-quality upscaled video from Carbonite Mosaic or for lighting up your entire venue with awe-inspiring graphics for an exciting fan experience.

Specification

Inputs & Outputs

INPUTS & OUTPUTS	CARBONITE MOSAIC
SDI Inputs	36 inputs (3G HD-SDI)
SDI Outputs	25 outputs (3G HD-SDI) – 3 of these outputs are dedicated to the input source monitoring MultiViewers.
Input Processing	Video proc amps, color correction and format conversion on each of the 36 inputs.
Output Processing	Video proc amps, color correction and format conversion on 12 of the 22 outputs.
GPI/O	34
Ethernet Ports	2
Reference Inputs	Black or Tri-level
Internal Reference Generator	Yes
Independently Configurable Reference Outputs	2

Operational Features

OPERATIONAL FEATURES	CARBONITE MOSAIC
Compositing / Tile Outputs	10 tile outputs with 5 layers each (1 background and 4 key layers) 10 Program and Preview outputs with “Next Transition” preview of backgrounds and keys
Scaling	18 sub-sampling scaling engines
Media Storage	Load stills to any of the 36 inputs as program or back-up sources.
Memories	100 Memories per canvas, with Effect Dissolve and Ross-exclusive MemoryAI functionality.
Custom Control Macros	Up to 256 Custom Control Macros, with the ability to run 10 macros simultaneously.
Preset & Custom Canvas Layouts	Multiple customizable preset layout choices Create custom canvas layouts Save and recall layouts instantly Individual canvas positioning and adjustment Background scaling Foreground boxes (PIP) Dynamic animated boxes (PIPs) with programmed recall
Monitoring	• 3 x 16 window I/O MultiViewer (12 inputs and 4 outputs per MultiViewer) 1 x 10 window layout MultiViewer

Signal Processing Standards

SIGNAL PROCESSING STANDARDS	CARBONITE MOSAIC
Standard Definition	480i/59.94, 576i/50
High Definition	720P & 1080i 50/59.94
1080 PSF	23.98, 25 & 29.97
1080p	29.97 (1.5Gb) & 50/59.94 (3Gb)

Control Interfaces

CONTROL INTERFACES	CARBONITE MOSAIC
Ross Switcher	Mosaic layouts can be recalled directly from a Carbonite or Acuity switcher with the RossTalk protocol.
DashBoard	Layouts, memories, and custom controls can be created via network-connected DashBoard software.