

Expand your video canvas

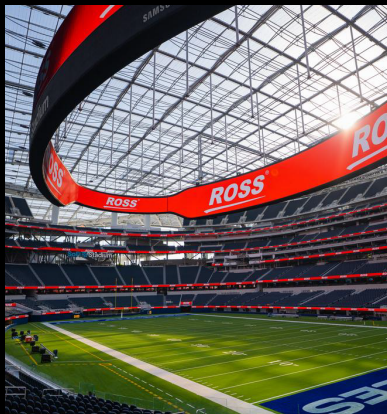
As video displays for sports venues, concerts, and studios reach unprecedented scales in size and resolution, audiences continue to demand top-tier video quality. To support these demands, the next-generation Mosaic Video Image Processor has been designed to provide the highest quality video content across the largest displays.

Mosaic is a dynamic compositing tool that seamlessly adapts video to displays of massive scale. It delivers unparalleled image quality with pixel-perfect accuracy on screens exceeding 49 million pixels in UHD mode or 20 million pixels in HD mode. With single frame latency, Mosaic ensures that high-quality scaled video complements the live action.

Choice of Hardware Platforms

Mosaic can be licensed on the Carbonite Ultra platform. This gives users the choice to deploy the one rack unit frame as a Carbonite Production Switcher or as Mosaic Screen Processing.

As part of the Hyperconverged platform, Ultrix Carbonite Mosaic can be licensed on a Software Defined Production Engine (SDPE) blade. This enables an SDPE Blade within the Ultrix platform to run as an Acuity ME, a Carbonite Switcher or as Mosaic screen processing.



Pixel Accuracy

Design and control with pixel-perfect accuracy.



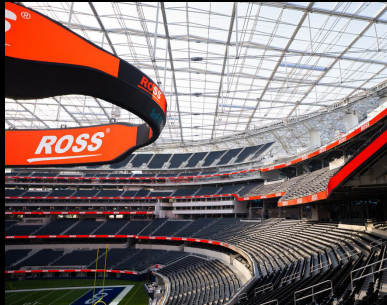
Ultra Low Latency

1 frame of delay.
Integrated live video sources with real-time or pre-rendered graphics.



Multi-Screen Mastery

Multiple screens of composited tiles.
Match canvases to LED resolutions.



Sports Venues

Drives massive LED displays for stadiums and arenas.



On-set Screens

Delivers eye-catching visuals for host/studio interaction with remote guests and content.



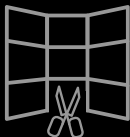
IMAG

Supports corporate presentations, product launches and worship productions.



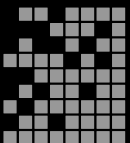
Canvas

Enjoy the ease of predefined layouts or the freedom to create your own. Layout recalls can be initiated from multiple points of control throughout your production workflow.



Splicers

Splicers are useful when a section of the LED display requires content from multiple sources. Use Splicers to create a composite of up to 4 regions. A source can be assigned to each region and an offset applied relative to the other regions.



XPression Tessera

Mosaic handles live video processing and scaling, while XPression Tessera provides pixel-accurate real-time graphic content, resulting in beautifully composited video and graphics on the big screen.



Integration

Mosaic is part of Ross Video's Venue Control Solutions. With custom DashBoard panels, enjoy total and synchronous control of Mosaic, Tessera and any number of Ross Video and third-party devices.

Specifications

HD Mode	UHD Mode
5 Canvas (Tile Mapping)	2 Canvas (Tile Mapping)
10 MiniME (Tiles)	6 MiniME (Tiles)
4 Keyers per MiniME	
10 Output Splicers	6 Output Splicers
18 DVE	8 DVE
Still Stores (requires FSFC*)	

Comparison

	Carbonite Ultra Mosaic	Ultrix Carbonite Moasic
Inputs & Outputs	HD: 24 Inputs, 10 Outputs UHD: 18 Inputs, 10 Outputs	HD: 22 Inputs, 18 Outputs (Ultrix + SDPE Inputs) UHD: 18 Inputs, 18 Outputs (Ultrix only)
Frame Sync & Format Conversion	HD: 8, UHD: 4 (HD:24x10*, UHD: 7x4*)	Input only - HD: 22*. UHD: 4*
Input Proc Amps & Color Correctors	HD: 8, UHD: 4 (HD:24x10*, UHD: 7*)	HD:22*, UHD: 4*
Output Proc Amps & Color Correctors	HD: 8, UHD: 4 (HD:24x10*, UHD: 7*)	Ultriproc*
I/O MultiViewer	HD: 1, UHD: 0 (HD:2*, UHD: 1*)	Ultriscape*

*Additional License Required - Contact Ross Video for details