Embedded Live Mixer
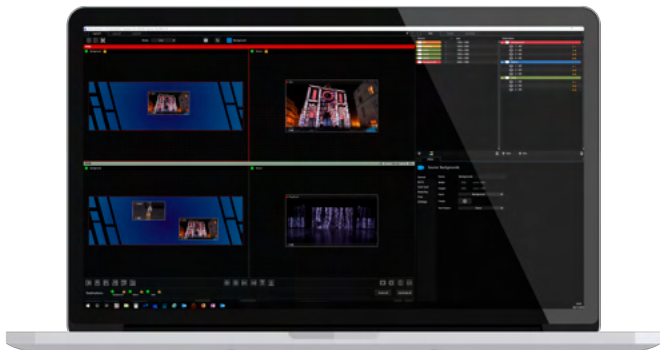
A Live Mixer with all benefits & versatility of Modulo Pi's media servers including soft edge blending, warping, show control.

A low-latency Live Mixer by Modulo Pi
A free application available with Modulo Player and Modulo Kinetic

Modulo Player & Modulo Kinetic, the world's first Media Servers with an embedded Live Mixer.
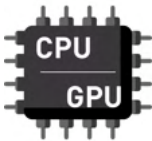
As an industry first, Modulo Pi's media servers come with an embedded low-latency Live Mixer. In addition to the extensive features available in our media servers, enjoy all the capabilities of a true Live Mixer through a free application:

- Dedicated application (PC, Mac)
- Inputs: SDI, HDMI, NDI or media server's background
- Live Program, Preview, and Confidence screens
- True live Preview of sources
- Unlimited number of Destinations and Mix Engines
- Workspace area selection turned into a source

- Presets management & Quickset function
- Effects per source and layer including Mask & Keying
- Transition effects: Fade, flying,...
- Cut & Take buttons
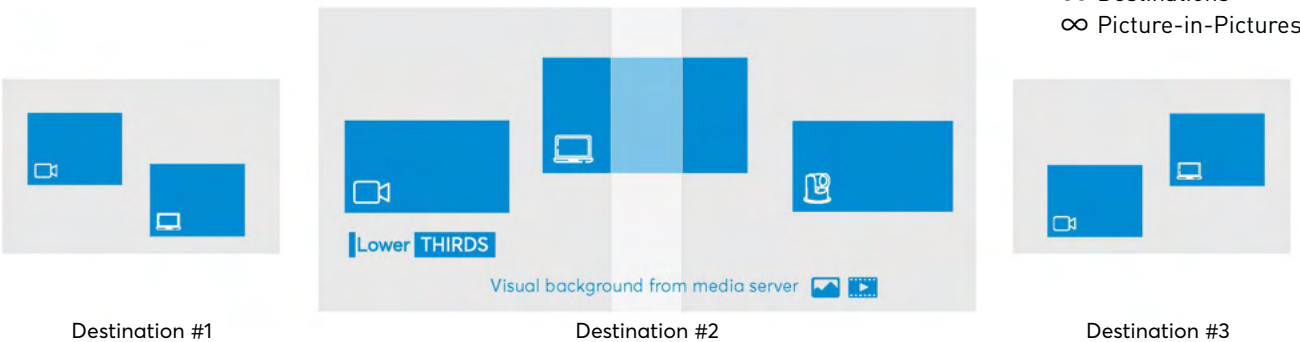- Recall media server's tasks from presets in the Mixer

The power and flexibility of CPU & GPU

Based on the latest technology in GPU and CPU processing, Modulo Player, Modulo Kinetic and their embedded Live Mixer offer a new level of power and flexibility.
Unlike usual hardware-based switchers, our platforms power an unlimited number of destinations, mix engines and keys as the GPU capacity allows. That unprecedented processing flexibility is guaranteed with ultra-low latency.

Example of synoptic based on Modulo Pi's Live Mixer:

∞ Destinations
∞ Picture-in-Pictures

Destination #1

Lower THIRDS

Visual background from media server

Destination #2

Destination #3

Hardware specifications

Line	Models	Line	Models
modulo PLAYER	Modulo Player Pro Modulo Player Pro Ruggedized Modulo Player Ultra Modulo Player Ultra Ruggedized	modulo KINETIC	Modulo Kinetic V-Node Modulo Kinetic V-Node Ruggedized

modulo π

Options

Reference

DELTA-2x3G	2 x 3G SDI
DELTA-1x12G	4 x 3G SDI or 1 x 12G SDI + 2 x 3G SDI
DELTA-2x12G	8 x 3G SDI or 2 x 12G SDI + 4 x 3G SDI
DELTA-4x12G	8 x 3G SDI or 4 x 12G SDI
DELTA-2xHDMI	2 x 4K HDMI 2.0
DELTA-MIXED	4 x 3G SDI + 1 x HDMI 2.0 or 1 x 12G SDI + 2 x 3G SDI + 1 x HDMI 2.0
DELTA-HOST [1]	Flex Host Card [1]
MOD-HDMI [1]	Flex module single HDMI 2.0 [1]
MOD-DP [1]	Flex module single DP 1.2 [1]
MOD-1x12G [1]	Flex module 4 x 3G SDI or 1 x 12G SDI [1]

[1] Option limited to ruggedized models

Management

A variety of options are available to easily recall presets of the Live Mixer.

Custom panels
Created in Modulo Player or Modulo Kinetic UI Designer. Accessible from PC, Mac, iOS, and Android devices.

Tasks
Created in the Modulo Player or Modulo Kinetic media servers.

Stream Deck control pads
Through an editor integrated in the Live Mixer, one can easily customize the LCD keys of the Stream Deck Mini, Stream Deck, or Stream Deck XL by Elgato. All parameters entered in the editor appear real-time on the Stream Deck pads.
The Live Mixer can support any number of Stream Deck control pads simultaneously, providing a user-friendly solution to control presets or recall tasks.

Skaarhoj Air Fly Pro controller (Coming soon)
Modulo Pi's Live Mixer is compatible with the Air Fly Pro desktop controller by Skaarhoj.
This cost-effective option offers a large number of four-way buttons, OLED displays, and a professional T-bar for seamless transitions.

Live capture cards and Flex modules
Live capture cards, including FLEX video I/O technology by Deltacast, can be added to Modulo Player and Modulo Kinetic eligible models:

- Up to 8 x SD/HD/3G-SDI or 4 x 12G-SDI inputs
- Up to 4 x 4K HDMI 2.0 inputs

Newtek's NDI technology
Modulo Pi's media servers support Newtek's NDI technology. It allows streaming multiple high-quality live video sources across an Ethernet network, and use them as inputs. Visualize all your live sources on your custom monitoring output and/or stream them over NDI.

True multi-user
Several operators can work simultaneously on the media server and mixer interfaces. All contents and operations are perfectly synchronized.
In addition, the Live Mixer is also compatible with multi-user mode. For effective and smooth operations, each user can define a custom layout and enjoy of live refresh of the section he is in charge of.
For example, first user can have a layout with the Main screen only, while second user will have a layout with the Confidence monitor only.

Soft Edge Blending configuration featuring Live Mixer, Confidence screen, Show Control and Speaker panel