

ARENA

GRAPHIC TRANSITIONS GENERATOR



Arena is used in forming AB mixing in between two input signals with a simultaneous imposition of animated graphics. For the main part, the generator is to be used during sport broadcasts when it may be essential to carry out a transition from the program signal to the slow-motion server.

The AB transition is performed by two mixers linked in series: the first mixes sources, according to the linear method that is applied by the AB-KEY signal, while the second one superimposes the graphics (the FILL, KEY signals) in accordance with the DSK method.

The ARENA generator represents an assemblage of graphic players that reproduce synchronically the three signals: KEY, FILL and AB-KEY and two mixers – AB and DSK.

The Arena generator operates in two main modes: it can either feed FILL, KEY and AB-KEY signals for external mixing or form an output composition by using the internal AB and DSK mixers.

The Arena generator has a digital audio playout option that allows to play sounds simultaneously with graphics transition.

The ARENA can be controlled either locally, externally by using remote control panel or GPI interface.

SPECIFICATIONS

- Compact body frame (RACK 1U);
- Storage and transmitting of videoclips from the Compact Flash standard memory cards;
- Format of graphic clips: RGBA 4:4:4:4, with no compression;
- The SDRAM total memory volume: 512 Mb or 1Gb;
- Total duration of graphic clips: 25 or 50 seconds;
- Audio format: PCM, 48kHz, 16 bit, stereo;
- External control panel;
- GPI interface;
- Serial RS-232 or RS-422 interface control;
- Control via an EVS LSM-XT slow-motion server (or other);
- Independent assignment of graphic transitions and audio for IN and OUT transitions;
- Output configuration (FILL, KEY, AB-KEY or PGM OUT, FILL, KEY) from menu;

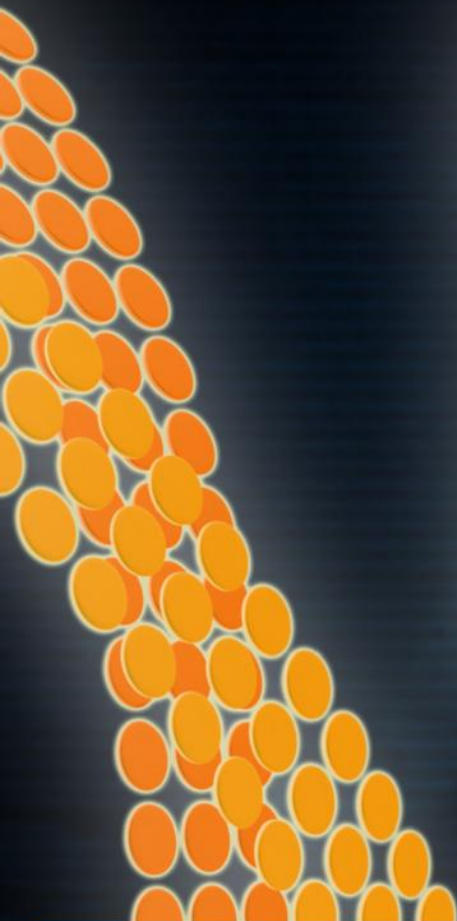
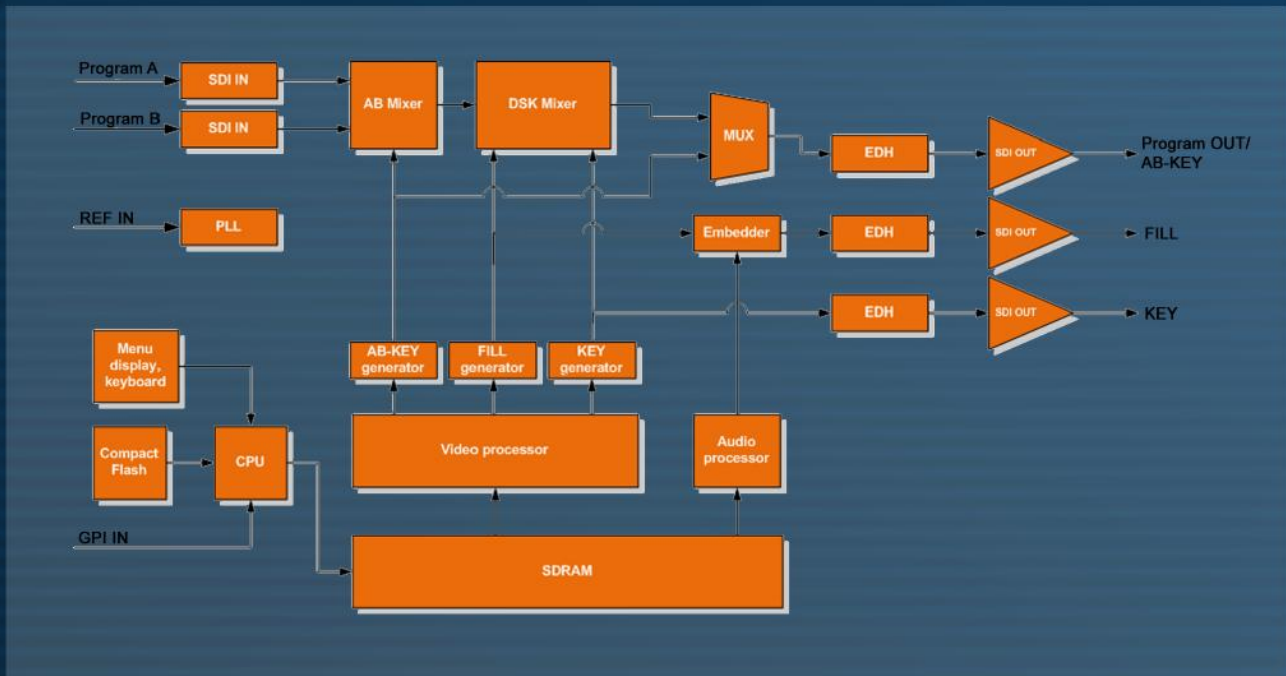


- Switching on/off on an embedded audio in an output SDI signal from menu;
- Firmware upgrade from CF;
- SD SDI (ITU-R BT.656) output signals, EDH.

EXAMPLES OF GRAPHIC TRANSITION



FUNCTIONAL DIAGRAM



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