ICON Software

Icon is a new and powerful IT Production Mixer Video, scalable and modular.
Used as system for all-in-one production Studio it needs few operators and small spaces.

Main Features

Up to 8 input CVBS, 8 SDI SD e HD, 4 ASI e 2 HDMI
Output SDI HD e SD, HD, CVBS e Streaming IP
Up to 4 input in streaming IP for external link.
Uno in desktop PC
Resolution free and upscaling-downscaling input and output.
Composing Dve 3D
Multiformat media
3D converter side by side
Virtual Set, chroma, Luma and advanced Key
Character Generator Multilayer linked to external feed xml and rss, multimedia object such as time and data counter, etc…..
SMS and Televoting manager
Single Input or Master Output Capture in mpeg2, DV, H264 and mpeg4 not compressed.
Optional external usb command console

System sw can be customized by customer request.

PLAYOUT

Single Channel Server, multiformat Full Hd, graphic and logo on multiplayer with second caharacter generator as optional.
Sistem based on 64 bit OS, long-term schedulino, MAM Archive, bidirectional, redundant.
Live Input ASI,SDI SD / HD, CVBS, YUV, REF IN STREAMING RTTP RDP RTP HTML IP
Output SDI SD / HD, CVBS, YUV, REF IN STREAMING RTTP RDP RTP HTML IP
Traditional matrix support and also IP Leitch, Network, Quarz, Advertising with contract, etc……
FORMAT : mxf, (optional) quicktime, avi, mpeg2 / 4, h264, wmv, tiff. Tga, mp3,mp4.

- Seamless switching to next file in playlist (no black flash or delay). 2d nd 3d transition,croma key of live input
- Support for files with different resolution, file format, audio/video format (including files encoded by different encoders) and different frame rate. Clips can be regulated by brightness,contrast,crop,field order,audio level and more
- Live video inputs can be used in the same way as media files.
- Define playout ranges (cue in/cue out) for each media file. Add, remove or reorder the list of media files during playback.
- Automatically keeps the desired video resolution and frame rate (regardless of that of the source files).
- Allows to mix PAL and NTSC files in one playlist (with automatic frame rate, interlacing format and resolution conversion). Save and load playlist to a simple XML file.
- The ability to loop the playlist. Audio/video preview. Allows output to a DV device (such as a DV camcorder) or professional video board (Blackmagic or AJA) and streaming ip

Advanced Scheduling
Automation supports 3 types of scheduling.

1) Scheduling within a specific clip (seconds from start of clip or seconds till end of clip):

- Seamlessly switch to a clip or sub-playlist and back to original clip at specified time. Repeating is also possible (such as switch to an ad break every 30 minutes).
- Show/hide CG items, compositions, load configuration files, change item properties.
- User-defined events (such as external device control).

2) Schedule playlist within a specific day (24h scheduling):

- Start, stop, pause playout at a specified time of day.
- Start clip or sub-playlist at a specified time of day.
- Seamlessly switch to a clip or sub-playlist and back to original clip at specified time. Repeating is also possible (such as switch to an ad break every 30 minutes).
- Show/hide CG items, compositions, load configuration files, change item properties.
- User-defined events (such as external device control).

3) Schedule playlists for a week and more (24/7 scheduling):

- Load playlist on a specific day/time. Create daily playlists (24h scheduling) and load them via 24/7 scheduling.

TIME SHIFT

Time Shifting buffers an audio/video stream to the hard disk and enables an application to play, pause and seek within the buffered data with the ability to switch back to the original (live) stream seamlessly. Any portion of the buffered data can be saved to a file.

Possible uses

- **Time-shifted capture** or **event-based capturing**. This is a good approach for video delayed playout and video logging applications. Instead of recording 24/7 and building an infrastructure to extract necessary data from a large number of files, event-based recording can be implemented. The Time Shift can be set to keep a required amount of data in the buffer. Whenever an event occurs, the buffered data can be dumped to a file and recording of data to this same file can be continued.
- **Time-shifted playback**. With such technology, a live video can be paused and resumed for playback later. While the video is paused, it is being recorded into the TS. When the video is resumed, playback starts from the Buffer. Old data is being removed from the Buffer while new data from the live stream is being added. Seeking is also possible within the buffered data.

Features

- Several threads can read independently from various parts of the Buffer.
- No reenconding of data during buffering.
- Synchronized audio/video data output (provided that input audio and video are synchronized).

INGEST

Up to four ingest Asi or SDI HD-SD, Logo and graphics overlay, encoding h264, wmv, mpeg2, mpeg 4, dv,uncompressed, batch and split capture, ip capture, desktop capture.Deck control,Streaming input

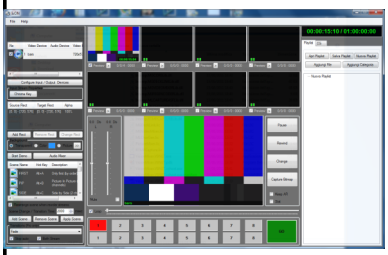
MULTICHANNEL CG AND LOGO GENERATOR

Up to four hd-sd cg and logo generator

- Multilayer cg engine
- 3d hd,hd and sd format
- Aspect ratio and resolution converter
- Support tikers,clock,datafeed,dynamic object,transition,screen capture,live input,date and time,counter,flash swf projects and more
- Live feeds and mods template
- Automation integration
- Multichannel and multi instance
- Input asi,sdi,cvbs,sdi hd,dual channel sdi,streaming ip,ref sdi
- Output sdi,cvbs,sdi hd,dual channel sdi,streaming ip
- Internal or external key
- User-friendly cg template editor

COMMON INTERFACE

For best user ‘s exprience all products line use a unificated common interface



CERTIFICATION

Icon Software is certified to run under an original Arqivia hardware product.