



EASY ONAIR

Easy OnAir is a high-quality broadcast solution for mixed audio and video graphic formats. It runs with vast variety of standards such as NTSC, PAL, SD or HD resolutions in the same playlist. It gains the admiration of users because of its user-friendly interface and 24/7 stable work.

Easy OnAir transmits content with SD/HD resolution, providing multi format playout of media files with multiple resolutions and mixing of audio files carrying different sample rates. The **Easy OnAir** module performs automated up- or downscaling operations according to predefined output settings.

While the **Easy OnAir** playlist runs on air, it can be dynamically changed. The playlist time will be automatically updated along with each change.

Each playlist can be instantly paused, stopped, or changed during playout session. This process will be done at the end of the buffer or in real time on demand.

Playlists activated on a desired day and time, can be arranged with the scheduled playlist module. By the schedule module, the system can split the video files virtually without causing any change.

Our solution provides possibilities for monitoring the broadcast output from the workstation's screen.

A preview of any video on the playlist can be played out during the broadcast process. Trimming operations of the video content can be done in real time without rendering.

The **Easy OnAir** workstation's VGA can be used for creation of new playlists during playout session. As one playlist can be looped, a single video file can be repeated as well.

The **Easy OnAir** interface provides possibilities for volume control. It also contains dedicated time indicators showing the elapsed time of a single clip or the elapsed time of the entire current playout session.

The playlist can be controlled by keyboard shortcuts. In addition, there is no restriction on the number of video files added to the playlist. You can easily add your files by the drag and drop method or by searching for the name of the file on the disk.

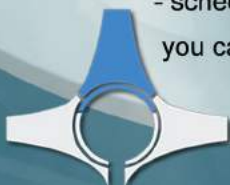
Easy OnAir automatically saves the broadcast traffic, the user actions and the history of the system on a daily basis.

Easy OnAir offers the advantage of character generator interface working integrated. It displays logo, animations, crawls, rolls or different graphics on the workstation's output.

In addition to all features like:

- overlaying time;
- counter;
- transition effects such as up-down, bottom-up, sliding from left to right, right to left;
- running scripts;
- scheduling image files in the playlist;

you can also manually overlay graphics on the workstation's output in real time.



Easy OnAir

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EASY ONAIR KEY FEATURES

- **SD/HD or non-standard of any resolution files can coexist in the same playlist.**
- **Easy OnAir runs with NTSC, PAL, or files with different frame rate in the same playlist.**
- **Automated upscaling or downscaling operations according to predefined output settings.** If you would like to set the workstation's output as SD/HD, or PAL/NTSC, **Easy OnAir** automatically converts all playlist files according to the predefined output settings.
- **Planned advertising playlists creation.** **Easy OnAir** allows your files to run automatically at certain time period. Using the planned playlist module, you can publish playlists or files with fixed start time.
- **Integrated CG module.** Graphics can be overlaid manually in real-time or in a planned manner. This module utilizes all the KJ needs such as clocks, timers, animations, crawls, rolls, etc.
- **Searching module.** It is developed for media files searching.
- **Trimming module.** **Easy OnAir** comes with powerful tool for content trimming.

EASY ONAIR SPECIFICATIONS

Media File Formats	
MPEG	MPG or M2P - Program Streams , M2T or TS - Transport Stream (SPTS and MPTS) , OpenDML AVI and WAV (mono and stereo) ,QuickTime, MXF, GXF
DV	OpenDML Type 1 and Type 2 AVI, QuickTime, Raw DV, MXF, GXF
HDV	MPG or M2T / TS - Transport Stream ,QuickTime, MXF, GXF
H.264-AVC-MPEG4	TS - Transport Stream (SPTS and MPTS)
Windows Media Video	WMV
MPEG-1	MPG - System Stream

VIDEO			
Compression	MPEG2, DV, HDV, WMV/VC-1, MPEG1, MPEG4 , AVC/H.264, DVC Pro, AVC-Intra, MXF, MOV, MP4, Divx, MKV, Apple ProRes 422, DVCPRO 25, DVCPRO50, DVCPRO HD		
Format	PAL / NTSC / 1080i HD / 720p HD		
Bitrate	<table border="1"> <tr> <td>1 - 15 Mbit/sec in MPEG2 MP@ML 10 - 50 Mbit/sec in MPEG2 422P@ML up to 80Mbit/s MPEG2 HD HP@HL up to 40Mbit/s AVC/H.264 Baseline/Main</td> <td>1 - 80 Mbit/sec in MPEG2 MP@HL 25 Mbit/sec with HDV and DV up to 80Mbit/s AVC/H.264 Main/High class 50 and 100 AVC-Intra</td> </tr> </table>	1 - 15 Mbit/sec in MPEG2 MP@ML 10 - 50 Mbit/sec in MPEG2 422P@ML up to 80Mbit/s MPEG2 HD HP@HL up to 40Mbit/s AVC/H.264 Baseline/Main	1 - 80 Mbit/sec in MPEG2 MP@HL 25 Mbit/sec with HDV and DV up to 80Mbit/s AVC/H.264 Main/High class 50 and 100 AVC-Intra
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Color Sampling	<table border="1"> <tr> <td>4:2:0 - MPEG2 Main Profile (incl. HDV) 4:2:2 - MPEG2 4:2:2 Profile 4:2:0 - Apple ProRes 4:2:2 - Apple ProRes</td> <td>4:2:0 / 4:1:1 - DV 25 Mbit/sec 4:2:0 - WMV and AVC 4:2:0 - AVC - Intra</td> </tr> </table>	4:2:0 - MPEG2 Main Profile (incl. HDV) 4:2:2 - MPEG2 4:2:2 Profile 4:2:0 - Apple ProRes 4:2:2 - Apple ProRes	4:2:0 / 4:1:1 - DV 25 Mbit/sec 4:2:0 - WMV and AVC 4:2:0 - AVC - Intra
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AUDIO	
Compression	MPEG audio Layer 1 or 2, AAC audio, Uncompressed PCM, Windows Media Audio, Dolby Digital (AC3)
Format	PAL / NTSC / 1080i HD / 720p HD
Bitrate (MPEG audio)	64-384 Kbit/sec
Sampling	48 kHz , 44.1 kHz (can be mixed in same playlist)



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