ToolsOnAir-Support

Which codecs and container formats are currently supported?

Georg - 2018-05-25 - in Knowledgebase just:live/play

Which codecs can I use in SD and HD and can I mix them?

Version 2.5 brought support for mkv container format.

Version v1.8 just:out supports the following codecs/container formats with our playout engine:DV, DV Stream, DVCPro, DVCPro50, DVCPro100, DVCam, HDV, IMX 30 and 50 Mb, all ProRes codecs, MPEG-2, H.264, MPEG-4, XDCamHD/ES/EX in 1080i and 720P, JPEG, all AVID LE/PE codecs, AVC-Intra as .mov, .mp4, .m4v, .mpg, .mpeg, .mpegts, .avi, .3gp, .f4v, .dv and .mxf (including multi-audio support).

ProRes 4:4:4:4 (recommended in case a movie with alpha is needed) and Animation codec is supported and an embedded alpha information is now properly send to the video card (Fill and Key).

It is possible to mix all codecs using the same channel, mixing SD and HD in the same timeline also works as long as the clips are using the same frame rate and an RGB format is selected (using an 8Bit codec supports only the native resolution, field order and aspect ratio). Please keep in mind that the scaling is done in software and therefore not compareable to hardware scaling. If you use different field orders, you can change the order for a clip by selecting "Invert fields" in the Inspector.

Version v1.6 supports automated realtime aspect ratio conversion as well as automated field order detection and correction. This allows to mix movies with different aspect ratios, different field orders, different codecs, pixel sizes, different numbers of audio tracks and much more in the same playlist . In addition the user can define how the different aspect ratios should be converted automatically (using a preset in the just:out preference pane) and to overrule this setting for each clip individually using the Inspector in just:play/live. The field order is now automatically changed based on the engines field order and the clips field order. This setting can also be overruled by the user for each clip, where color codes help the user to identify wrong settings.

Prior to version v1.8, an MXF4Mac Importer license was needed to play mxf containers in just:out. Version v1.8 just:out can play such files without an extra license. Since v1.8.2 it is also possible to preview mxf movies in the just:live/play UI natively.