

ClipRecorder Boxxster Application Note

AV &
Presentation



1. Overview

In an AV-environment the ClipRecorder is being used as high-end uncompressed playback device for large screens. For large setups multiple ClipRecorders can be synced and operated pixel-accurately for split-screen application, dome-projections and similar.

2. Ingesting the content

Normally the video content is being delivered either file based on external storage or on tape.

2.1. File-based input

The playback files can be put on the ClipRecorder using dual-Gig-Ethernet, USB, IEEE or Fibre. There's no need for any import or file conversion which will save time and preserve the quality of the original delivered material. For supported file types (video and audio) please refer to our specs data-sheet.

2.2. Tape-based input

The input device (VTR) is being controlled frame-accurately from the ClipRecorder via RS422 and the video-content directly saved on the ClipRecorders internal storage using HD-SDI as input. The files are saved completely uncompressed and therefore transparent to preserve the quality of the original material.

3. Running the show

3.1. Show-Controller

The ClipRecorder(s) support enhanced Odetics and Louth RS422 protocols. Therefore the complete show can be run using a Show-Controller that supports those protocols. Control via TCP/IP is also an option. Clips can be trimmed, aligned, loaded and played back seamlessly in any order. So running multiple setups/shows on the same ClipRecorder(s) is easy to achieve.

3.2. Local

The ClipRecorder supports trimming and realigning of clips. Complete playlists can be created very easily. There's no need for exporting or re-rendering of the material as all those steps are done virtually. The result is a complete seamless playback of the whole show that can be created on the ClipRecorder.

4. Split-Screen, Dome projections,...

Multiple ClipRecorders can easily be synced pixel-accurately for split-screen application. During the playback process the ClipRecorders will stay in sync all the way thru. To be even more flexible we supply a unique mechanism to adjust the ClipRecorders frame-accurately over RS422.

To achieve the sync either an external blackburst or a separate JAVA-based application (can run on one of the ClipRecorders or on any other machine in the network) can be used.

5. Outputs

The ClipRecorders supply multiple outputs that can be used all at the same time (if necessary):

- HD-SDI
- analog (component)
- VGA/DVI
- HDMI

