

Recording Live Material Straight into Video Servers

MAPP Live Recording offers many valuable features for fast secure live acquisition in the busy news or transmission environment. Dual recording, which simultaneously records onto two servers, provides new levels of confidence. The ability to trim during record means fast workflow and the shortest possible turn-around, in fact material can be transmitted within a few seconds of the start of recording. Unattended recording completes the picture, triggered either by external cues or according to the clock via the applications own recording schedule.

The Pro-Bel Live Recording application is for use in the ingest or acquisition areas of a television broadcast centre or news organisation.

The Live Record application is used to record incoming material onto a video server. Running as part of Pro-Bel's media management system and connected to the MAPP database the material ingested through this application can be ready for transmission almost immediately after the recording begins.

Immediate Operation

The live recording application is always ready to ingest. Just pressing the red record button will start the recording even if the operator has not had time to enter a material ID or title. Simple familiar VTR style on-screen controls make the operation easy even for the first-time user. It is not just on-screen that operation is kept straight forward, essential controls can be triggered via GPIs allowing hardware style buttons to be integrated anywhere within the operational area. Before recording the user can enter a maximum duration which is then used to stop recording should it need to complete unattended.

Security and Peace of Mind

Because of the value of the material being ingested, many users would like the full security of dual recording. The Live Recording Station offers this feature as standard to two independent video servers. Furthermore the operator can review the recording at any time, even before it has finished. This is the equivalent to off-tape monitoring. Not only can the user watch the incoming material real-time however but they can also jog and shuttle through even partially complete recordings for quality check, logging or review.

Fast Material Turnaround



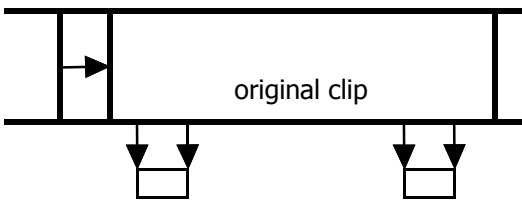
Original clip is trimmed to give frame accurate in and out points but retains its original Material ID

an example of trimming

The Live Recording application contains a trim function which uses the screen shown below, allowing topping and tailing of material. With this operation, the original in and out points can be adjusted to remove any pre-record or post-record margins. The in-point can even be adjusted whilst the recording is continuing!

Segmentation

With some video servers the material can not only be topped and tailed but cut into multiple individual segments. This allows, for example, highlights to be extracted from sports or news events. Once the material has been ingested into the video server multiple sub-selections can be made. Each of these can be given its own material ID number and schedule for playout. This feature is currently supported by the Tektronix Profile.



new clips made from the original with new Material IDs

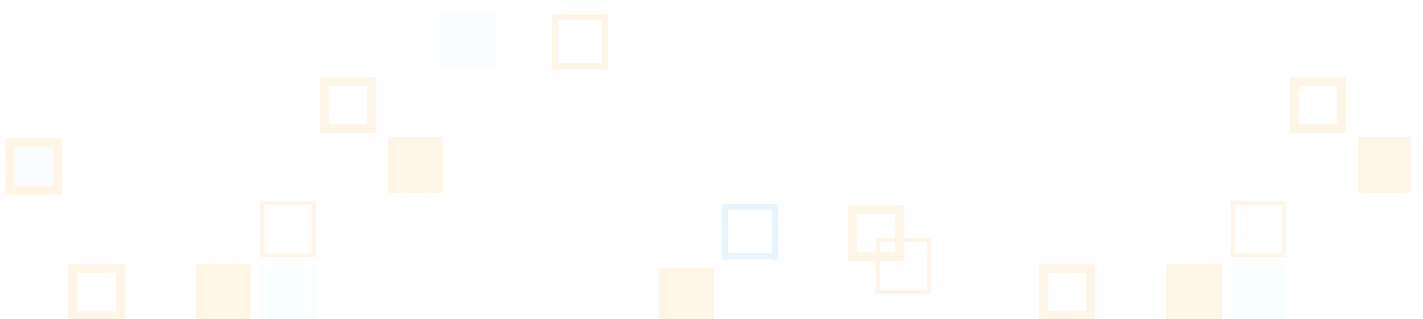
an example of segmentation

Automatic and Unattended Recording

The live recording application can be triggered in one of three ways:

- By the operator
- By a remote trigger
- According to a recording schedule

The first case has already been discussed. In either of the latter two cases a list of recordings is used to pre-allocate meta-data such as material ID, title etc. The material ID can be tied in with existing schedules allowing automatic acquisition direct to air. The start mode for each event is then either by scheduled start time or by incoming trigger from say a remote cue. The picture on the right shows the record list screen from the Live Recording application.



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