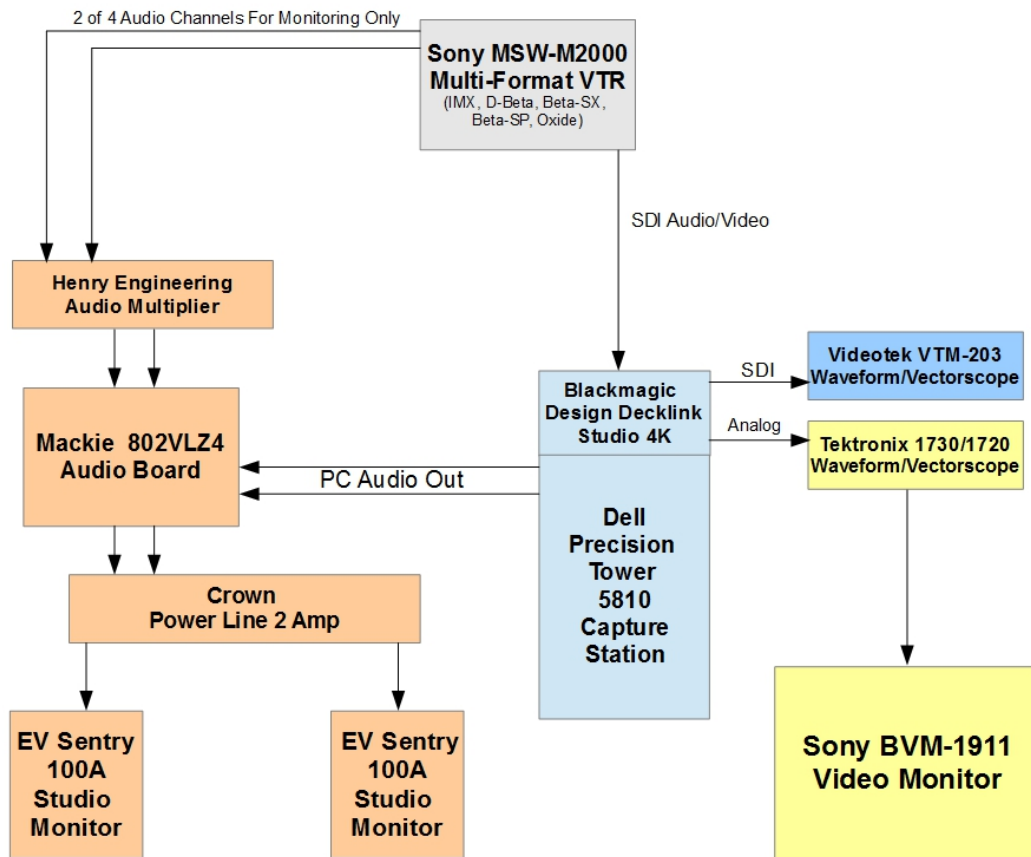


## IU Media Digitization Studios

### Betacam Signal Chain

(Applies to Betacam oxide, Betacam SP, Digital Betacam, Betacam SX, IMX)

Date of last revision: 12/7/2020



The Sony MSW-M2000 can play all tapes in the standard definition Betacam family; oxide, Betacam SP, Digital Betacam, Betacam SX, and IMX (the MSW-M2000 will not Betamax tapes). The SDI output of the deck greatly simplifies digitization.



Choose a Capture Station (1 or 2) for digitization (for this example we will use Capture 1). On the BNC video patch panel, patch the Sony MSW-M2000 Source 1 VTR out into the SDI CAPTURE CARD for capture station 1 (this sends the SDI signal, video with imbedded audio into the Blackmagic Design Decklink Studio 4K capture card).



Patch the CAPTURE SDI OUTPUT into the VTM-203 DIGITAL C INPUT (this sends the output of the capture card into the Videotek VTM-203 Waveform/Vectorscope which feeds the Dell computer display on the console for signal monitoring and setup).



Patch the CAPTURE ANALOG OUTPUT to the TEKTRONIX ANALOG INPUT (this sends the analog output of the capture card to the rack mounted analog Tektronix 1730 Waveform Monitor and Tektronix 1720 Vectorscope).



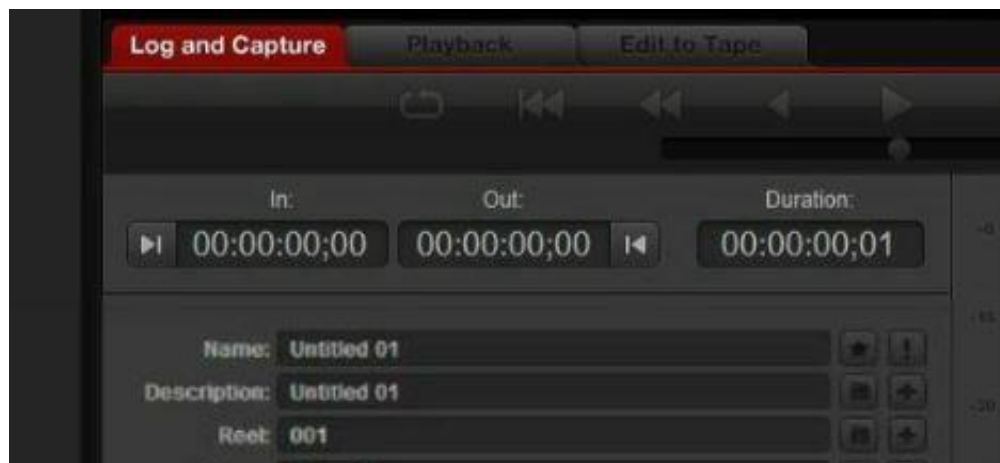
On the XLR audio patch panel, patch any two VTR Source 1 channels you want to monitor into Capture 1 Audio DA IN channels 1 and 2. Different types of Betas can have different combinations of channels, but only two at a time can be monitored with this set-up. This feeds into the Henry Engineering Patchbox II Output Multiplier and sends the audio signal to the Mackie audio board to allow monitoring during digitization.)



To see the video and audio levels through the capture system, launch the “Blackmagic Media Express” tool from the start menu of the workstation.

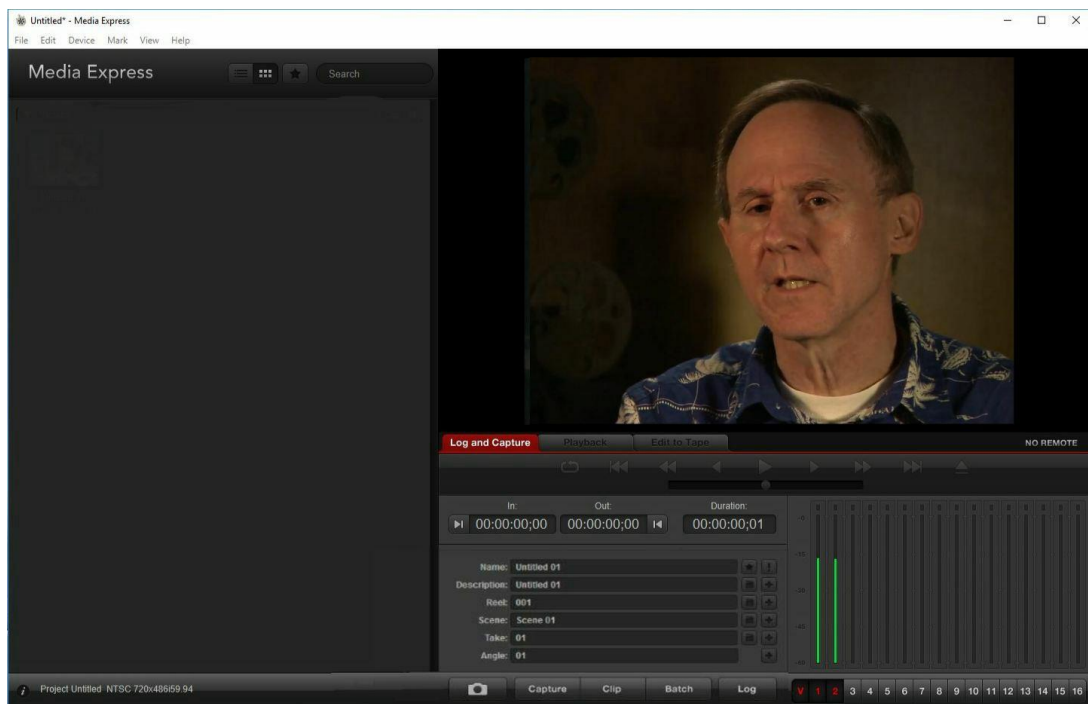


Press the “Log and Capture” tab.





With the source tape in play, you should now see video passing and audio levels visible on the meters.



Verify that all audio content is visible on the meters of the “Blackmagic Media Express” tool and that it is audible through the first two faders of the Mackie 802 VLZ4 audio board.

