RGB - Blackmagic – Teranex – How to Capture 29.97i Hi8 and Upconvert to 1080p 23.98 Frame Rate Conversion and Upconvert Standards Conversion
Make sure the S-Vid out cable of the Hi8 is plugged in to the S-Vid in cable of the Beta SP deck.
Make sure the Betas SPdek's Video In switch is set to S-Vdeo.
Also make sure that both the Hana and Beat Socks are mating.

Make sure the color codes R, G, B
Bare connected from the BetaSP deck outputs to the Teranex component inputs.
You are also going to have to move the audio XLR Left and Right to the correct output for the deck you want to use.
This will be patched into the small audio board. Don't send audio to the Teranex.

1. Turn up levels here.
2. Tape to mix should be pushed in for DV audio.
3. Turn up levels.
Make sure the Thunderbolt cable is connected to the computer (Mac) and the Teranex.
Put the tape in the deck. Probably not VHS, more like Hi8.
Click on PLAY to make sure there is some image on the tape and play for at least 20 seconds.
If you want 9 pin control, make sure the 9 pin cable is plugged into the deck and the Teranex.
Turn on the Teranex, wait till it boots up, if nothing happens turn it off and on again.

System Preferences...  Blackmagic Design  CUDA

About This Mac
Software Update...
App Store...
### Settings for your Teranex 3D Processor

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#### Output
- **Set output:** SDI & HDMI & Component
  - For video and audio output connections
- **Set input:** Component Video & Analog XLR
  - For video and audio capture

- **Use video setup in NTSC:**
  - At 7.5 IRE for use in the USA
  - At 0.0 IRE for use in Japan
  - Use 4:4:4 SDI on video output when possible
  - Enable Single Link
  - Use 1080p not 1080PsF
  - Remove field jitter when video is paused
  - Use LTC Timecode input

- **Set default video standard as:** HD 1080p 23.98
  - Final Cut Pro X and startup video output will use this setting

- **When not playing video, send:** Black
  - To all the video outputs

- **Display HDMI 3D as:** Side by Side

- **Set reference output timing:**
  - Reference input not detected
Open Blackmagic Media Express

Go to > Media Express > Preferences

Set the Video Format HD 1080p 23.98
File Format will be ProRes 422

Set the destination for the captured files to your HD

Capture audio and video to: /Volumes/tempstorage/ANNE TEST

Capture still frames to: /Users/comm-kraft

Set deck to: 5 second pre-roll for cueing

When capturing use: 0 frame timecode offset

When mastering use: 0 frame timecode offset
Set Input or "IN"
Video – Analog or ANLG
Audio – Analog or ANLG
Format – 486
Frame – I
Rate 59.94
Aspect Letterbox
ADJ – can adjust levels and some other things

NEXT - SELECT ANLG ON THE VIDEO TAB
Make sure it is set to Analog Input > Component

NEXT - SELECT ANALOG on the Audio tab

Analog > XLR > Analog Input
Set Output OR "OUT"

Video – SDI
Audio – EMBED - Analog
Format – 1080
Frame – P
Rate 23.98
Aspect Letterbox
ADJ – can adjust levels and some other things

You should see audio levels

To name the clip, type name of clip in description and hit plus

Then the name of your clip will appear in the Name area.
Then click on the Capture Button to start capturing.
Capture Button will turn RED

Click Capture to stop capturing

Turn off the Teranex when finished
TURN OFF THE VTR'S WHEN FINISHED