Blackmagic – Teranex – How to Capture 29.97 VHS, Hi8 or Umatic tape and Upconvert to 1080 23.98 Frame Rate Conversion and Upconvert Standards Conversion

Turn on The deck you want to use in the dub rack.

Go to the little video patch panel in back of the rolling rack filled with the tape decks. Patch the deck you want to use into the TBC input.

In our example we are capturing from VHS so we have the VHS deck patched into the TBC Input.

If you wanted to capture from Hi-8 or Beta just move the BNC from the VHS to the Hi-8 or Beta or 3/4 Out.
Patch out of the TBC and into the Teranex

Patch out of the TBC and into the Teranex Y/NTSC/PAL IN
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 on the desk and this will send audio into the Teranex.
<table>
<thead>
<tr>
<th>Make sure the Thunderbolt cable is connected to the computer (iMac) and the Teranex</th>
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</thead>
<tbody>
<tr>
<td>Put the tape in the deck</td>
</tr>
<tr>
<td>Click on PLAY make sure there is some image on the tape and play for a at least 20 seconds</td>
</tr>
<tr>
<td>Turn on the Teranex - wait till it boots up - if on turn off then on again</td>
</tr>
</tbody>
</table>
System Prefs
>Blackmagic Design
Desktop Video

Change Input to Compostie Video and Analog XLR Audio

Set Default video standard as HD 1080p 23.98

Open Blackmagic Media Express

Go to >Media Express> Preferences
Set the Video Format to HD 1080p 23.98.

Capture File Format will be ProRes 422.

Set the destination for the captured files to your HD.

Click on the Log and Capture Tab in Media Express.

Set Input or "IN"

Video – Analog or ANLG
Audio – Analog or ANLG
Format – 486
Frame – I
Frame 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 -> Composite

NEXT - SELECT ANALOG on the Audio tab
<table>
<thead>
<tr>
<th>Analog &gt; XLR &gt; Analog Input</th>
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<tbody>
<tr>
<td>Set Output OR &quot;OUT&quot;</td>
</tr>
<tr>
<td>Video – SDI</td>
</tr>
<tr>
<td>Audio – EMBED - Analog</td>
</tr>
<tr>
<td>Format – 1080</td>
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<tr>
<td>Frame – P</td>
</tr>
<tr>
<td>Rate 23.98</td>
</tr>
<tr>
<td>Aspect Letterbox</td>
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<td>ADJ – can adjust levels and some other things</td>
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</table>
You should see audio levels

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