February 4, 2025 D-5

Synamedia MEG setup – **HSN**

HSN2 SD MP4 SDI Out

Task- Configuring Synamedia MEG IRDs

Condition- Video Decoding HSN2 HD MP4 - SDI OUT

Standard- How to configure a Synamedia MEG IRD for Video Decoding

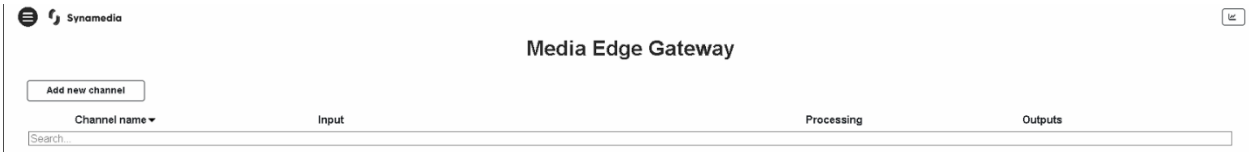
Action Items:

- Video Decoding SD MP4
    - Begin by **Browsing to IP** of MEG IRD (Default ip - 192.168.2.20)
        - **Enter UN & PW** *(see figure 1) (UN: Admin; PW: Password)*

figure 1 - Login

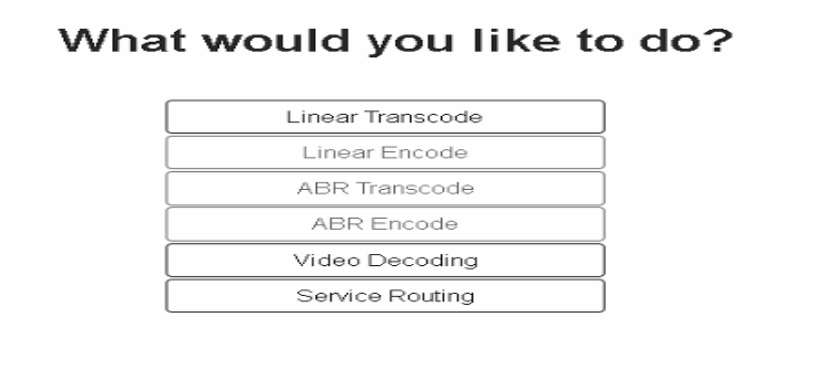
- Click on **Add New Channel** *(see figure 2)*

figure 2 – Add Channel



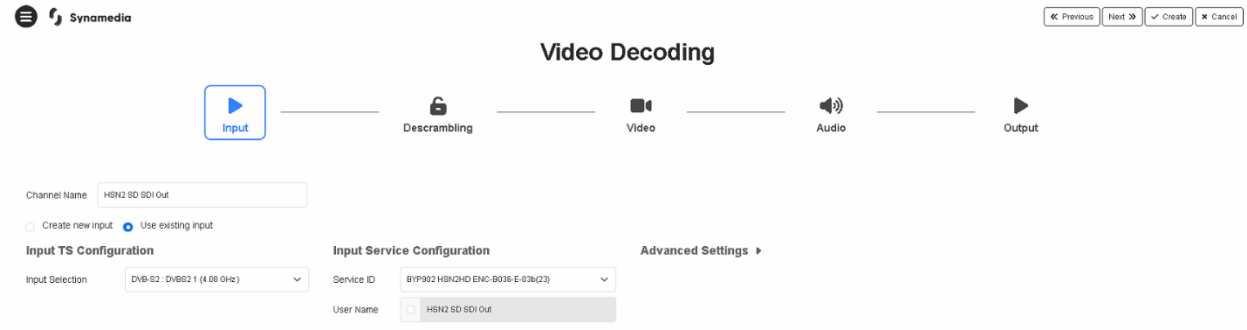
    - Choose which option you would like to do
        - Select **Video Decoding** for SDI setup *(see figure 3)*

figure 3 – Video Decoding



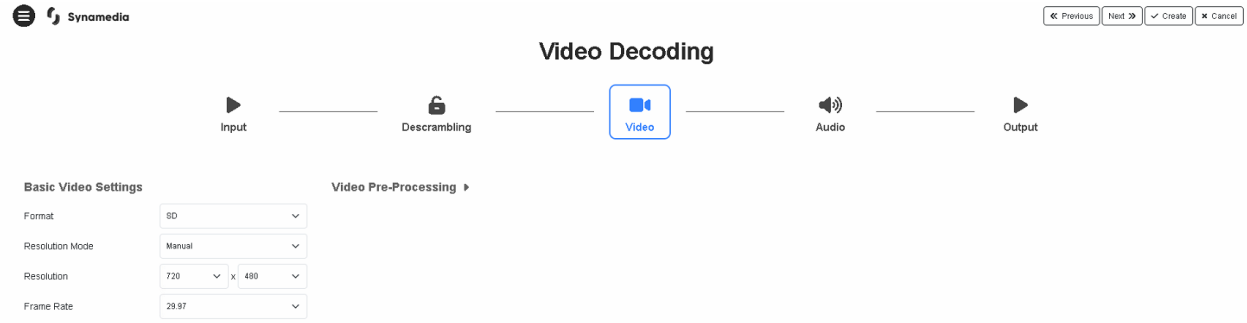
- Video Decoding – SDI Out
  - Enter a **Channel Name (HSN2 SD MP4 SDI Out)**
  - Select **Use Existing Input**
  - **Input Selection - DVB-S2:DVBS2 1 (4.08GHz)**
- Select which **Video Decoding** you would like to transcode by choosing the service in the **Dropdown Menu - (23) for HSN2 HD** *(see figure 4)*

figure 4 – Configure Video Decoding



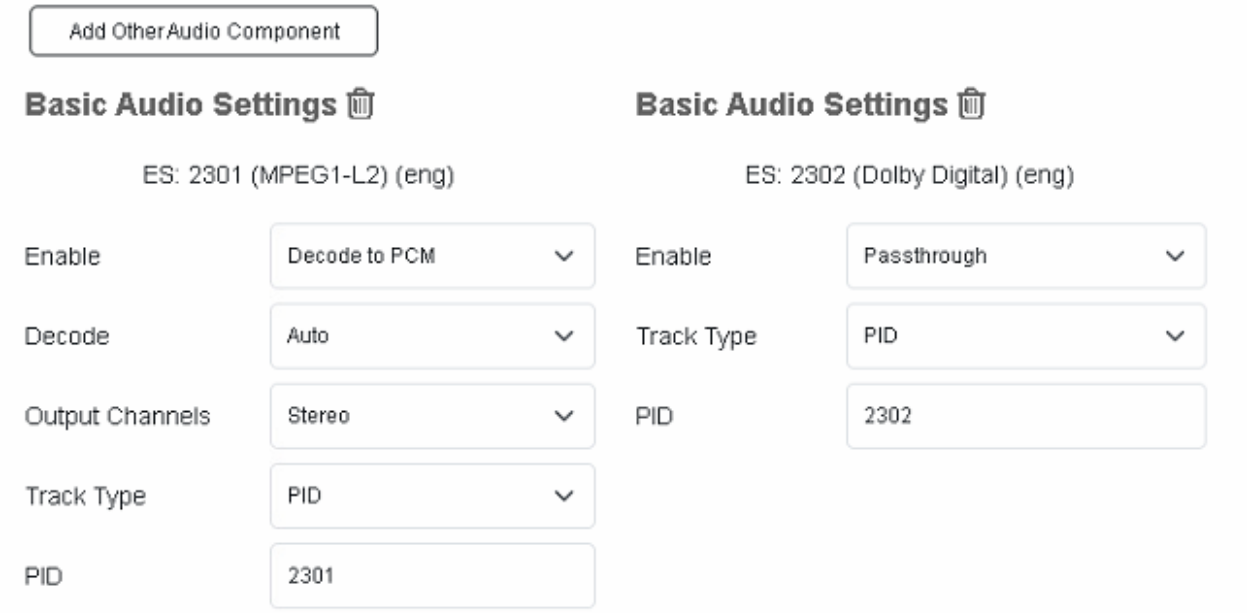
- **Descrambling - Disabled**
- Click on **Video** tab next
  - Configure **Basic Video Settings**
  - Select the **Format** you would like to Decode to
    - Change to **SD**
  - Select which **Resolution Mode** you would like to use
    - For **SD** services, select **Manual**
    - Leave defaults values for the remainder of settings *(see figure 5)*

- *figure 5 – Choose Format and Codec*



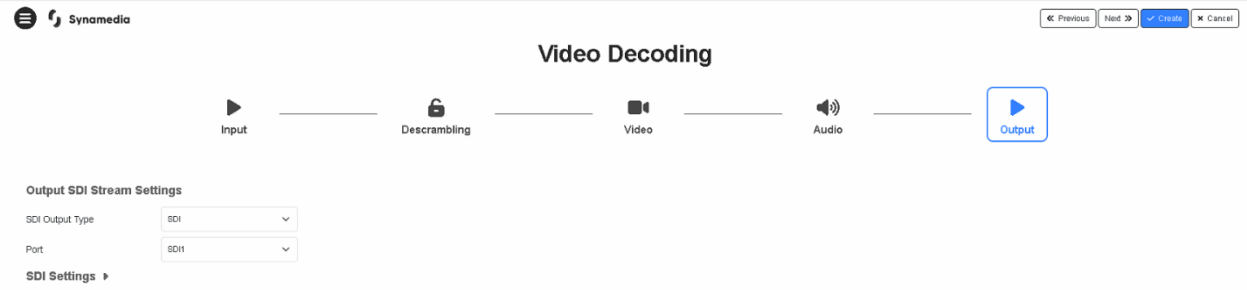
- Click on **Audio** tab next
  - Click on **Add ES: 2301 (MPEG1-L2) (eng)**
    - Enable – Select **Decode to PCM** for MPEG1-L2 audio *(see figure 6)*
    - Leave defaults values for the remainder of settings
  - Click on **Add ES: 2302 (Dolby Digital) (eng)** for Dolby Digital Audio
    - Enable - Select **Passthrough** for Dolby Digital audio *(see figure 6)*
    - Leave defaults values for the remainder of settings

Figure 6 – Configure Audio Settings



- Click on **Output** next
  - Select **Type**
    - Select **SDI**
      - Select which **SDI port** you would like to use (SDI-1)
      - Leave remaining fields as default values
  - Tick **Service ID** box *(see figure 8)*

Figure 8 – Configure Output



- Click on **Create** in upper right corner *(see figure 9)*

Figure 9 – Create and Finish

- *You should see a popup box that says "Channel activated successfully"*
- Setup complete – There should now be 1 channel with a green check mark *(see* **figure 10)**

Figure 10 – Channel Created

*Advanced View configurations are beyond the scope of this document.