Synamedia MEG setup – **HSN**

HSN2 HD MP4 to SD MP4 - ASI Out

Task- Configuring Synamedia MEG IRDs

Condition- Transcoding HSN2 HD from MP4 to SD MP4 - ASI Out

Standard- How to configure a Synamedia MEG IRD for transcoding

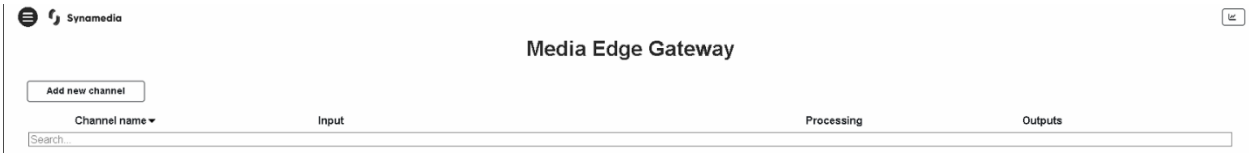
Action Items:

- Transcoding HD MP4 to 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

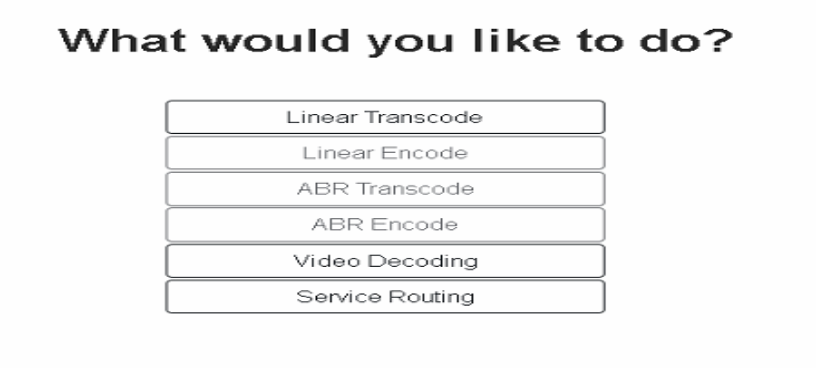
- Click on **Add New Channel** *(see figure 2)*

figure 2 – Add Channel



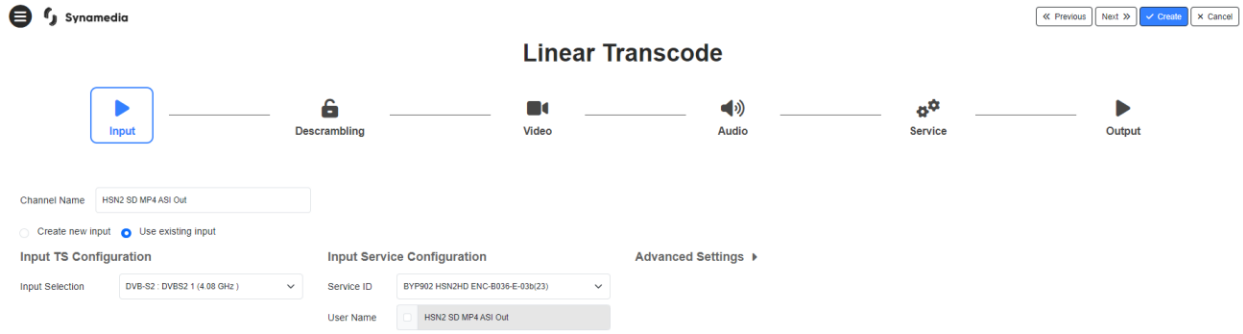
  - Choose which option you would like to do
    - Select **Linear Transcode** for ASI setup *(see figure 3)*

figure 3 - Transcode



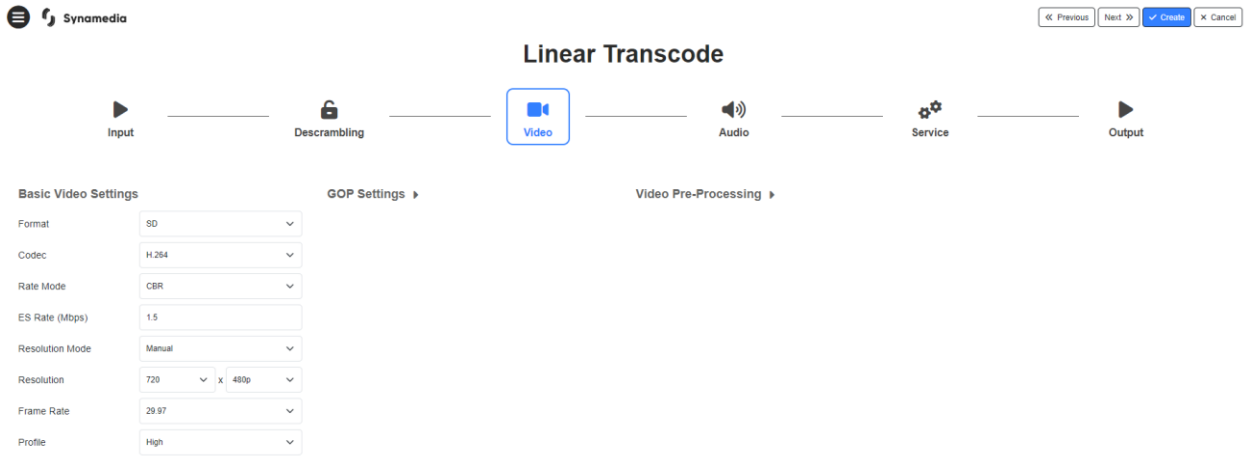
- Transcode – ASI
  - Enter a **Channel Name (HSN2 HD MP4 to SD MP4 - ASI Out)**
  - Select **Use Existing Input**
  - **Input Selection - DVB-S2:DVBS2 1 (4.08GHz)**
  - Select which **Service ID** you would like to transcode by choosing the service in the **Dropdown Menu - (23) for HSN2 HD** *(see figure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

figure 4 – Configure Transcode Options



- **Descrambling - Disabled**
- Click on **Video** tab next
  - Configure **Basic Video Settings**
  - Select the **Format** you would like to Transcode to
    - Select **SD**
  - Select **Codec** you would like to Transcode to
    - Select **H.264**
  - Select which **Resolution Mode** you would like to use
    - For SD services, select **Manual**
    - Verify the **Resolution** is set to **720x480p**
    - Verify **Frame Rate** is set to **29.97**
  - Leave defaults values for the remainder of settings *(see figure 5)*

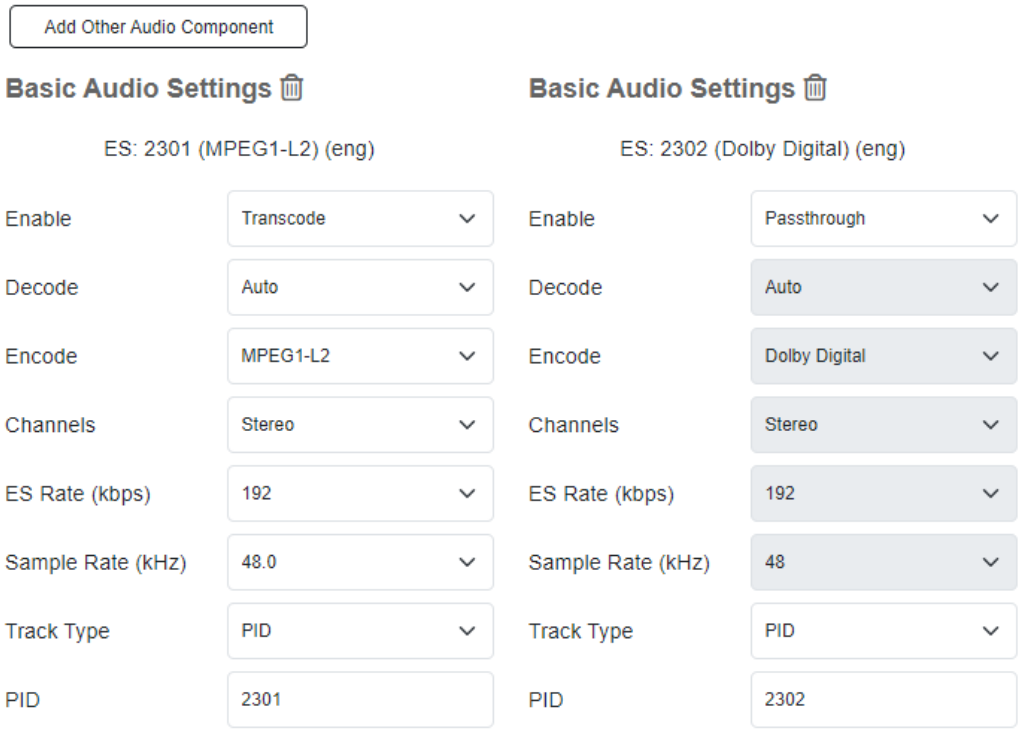
figure 5 – Choose Format and Codec



Click on **Audio** tab next

- Click on **Add ES: 2301 (MPEG1-L2) (eng)**
  - Enable - Select **Transcode** 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
  - Select **Dolby Digital** in the **Encode** dropdown
  - Enable - Select **Passthrough** for Dolby Digital audio *(see figure 6)*
  - Leave defaults values for the remainder of settings

Figure 6 – Configure Audio Settings

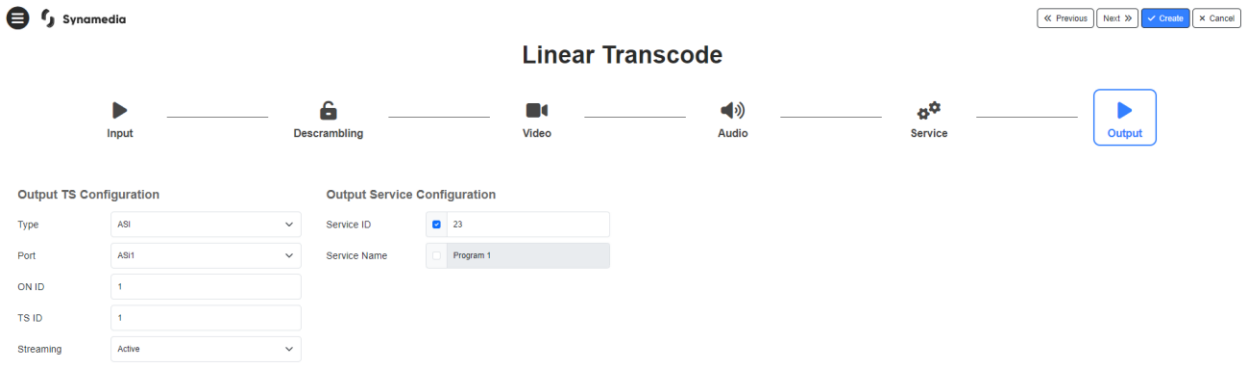


- Click on **Service** tab next
    - Enter 2000 for delay (2 seconds) *(see figure 7)*

figure 7 – Configure Processing Delay

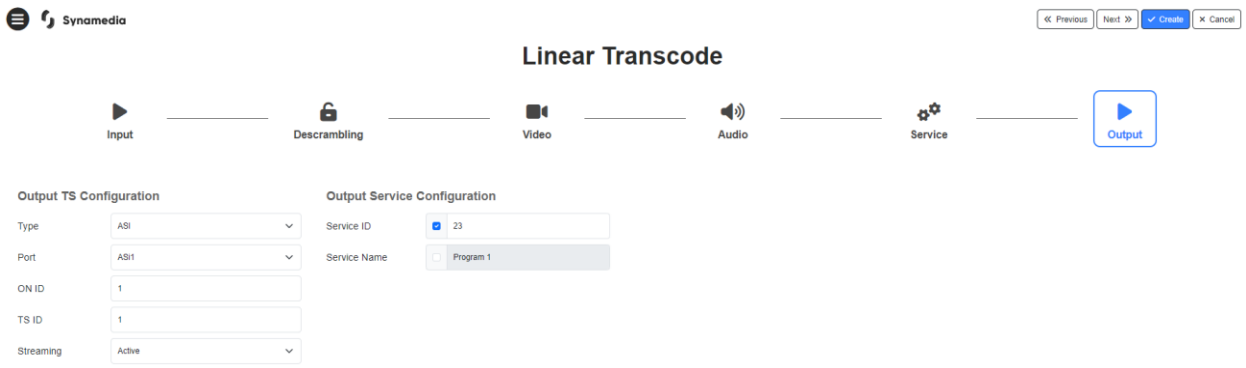
- Click on **Output** next
    - Select **Type**
        - Select **ASI**
            - Select which **ASI port** you would like to use (Asi1)
            - Leave remaining fields as default values
    - Tick **Service ID** box
        - Enter **Service ID – 23** *(see figure 8)*

Figure 8 – Configure Output



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

Figure 8 – Configure Output



- *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.