

## Synamedia MEG setup – HSN

### HSN2 HD MP4 SDI Out

**Task-** Configuring Synamedia MEG IRDs

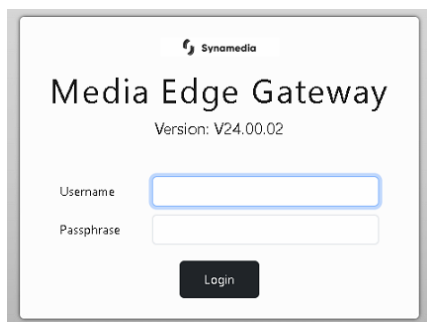
**Condition-** Video Decoding HSN2 HD from MP4 - SDI OUT

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

**Action Items:**

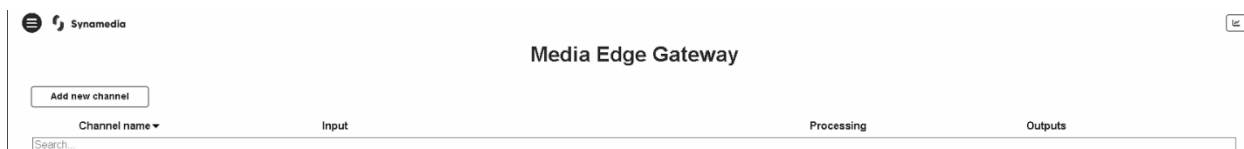
- Video Decoding HD MP4
  - Begin by **Browsing to IP** of MEG IRD (Default ip - 192.168.2.20)
    - **Enter UN & PW** (see figure 1) (UN: Admin ; PW: Password)

figure 1 - Login

The image shows the login interface of the Synamedia Media Edge Gateway. At the top, the Synamedia logo is displayed. Below it, the text "Media Edge Gateway" is prominently shown, followed by "Version: V24.00.02". There are two input fields: "Username" and "Passphrase". The "Username" field is currently active, indicated by a blue border. Below these fields is a dark "Login" button.

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

figure 2 – Add Channel

The image shows the main menu of the Synamedia Media Edge Gateway. At the top, the Synamedia logo is on the left, and the title "Media Edge Gateway" is in the center. On the right, there is a small "Log" button. Below the title, there is a section for "Add new channel". Underneath, there are three tabs: "Channel name", "Input", and "Processing". The "Channel name" tab is selected, showing a search bar with the text "Search...". The "Outputs" tab is also visible on the right.

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

figure 3 – Video Decoding

## What would you like to do?

Linear Transcode
Linear Encode
ABR Transcode
ABR Encode
Video Decoding
Service Routing

- Video Decoding – SDI Out
  - Enter a **Channel Name (HSN2 HD 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

Synamedia

Video Decoding

Input Descrambling Video Audio Output

Channel Name: HSN2 HD SDI Out

☐ Create new input ☒ Use existing input

**Input TS Configuration**

Input Selection: DVB-S2: DVBS2 1 (4.08 GHz)

**Input Service Configuration**

Service ID: BYP302 HSN2HD ENC-8036-E-03b(23)

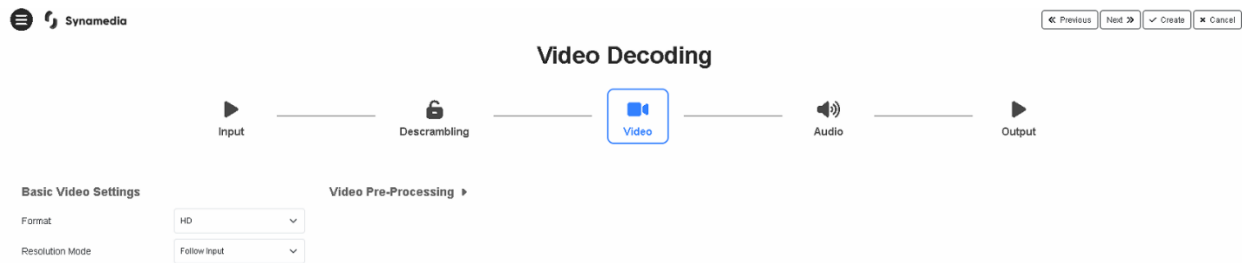
User Name: ☐ HSN2 HD SDI Out

Advanced Settings ▶

◀ Previous Next ▶ ✓ Create ✕ Cancel

- **Descrambling - Disabled**
- Click on **Video** tab next
  - Configure **Basic Video Settings**
  - Select the **Format** you would like to Decode to
    - Leave as **HD**
  - Select which **Resolution Mode** you would like to use
    - For HD services, select **Follow Input**
    - 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

Add Other Audio Component

### Basic Audio Settings

ES: 2301 (MPEG1-L2) (eng)

Enable	<div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;">           Decode to PCM            </div>
Decode	<div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;">           Auto            </div>
Output Channels	<div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;">           Stereo            </div>
Track Type	<div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;">           PID            </div>
PID	<div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;">           2301            </div>

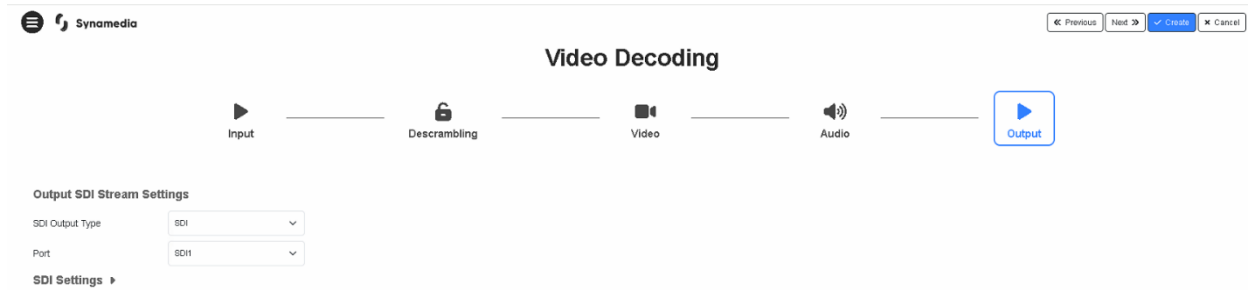
### Basic Audio Settings

ES: 2302 (Dolby Digital) (eng)

Enable	<div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;">           Passthrough            </div>
Track Type	<div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;">           PID            </div>
PID	<div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;">           2302            </div>

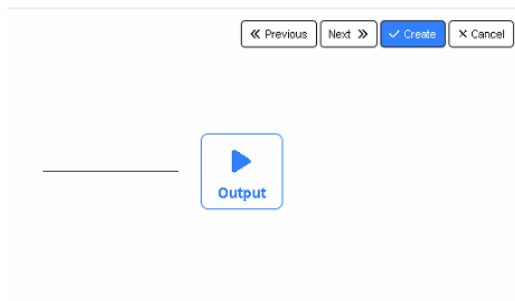
- Click on **Output** next
  - Select **Type**
    - Select **SDI**
      - Select which **SDI port** you would like to use (SDI-1)
      - Leave remaining fields as default values

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.