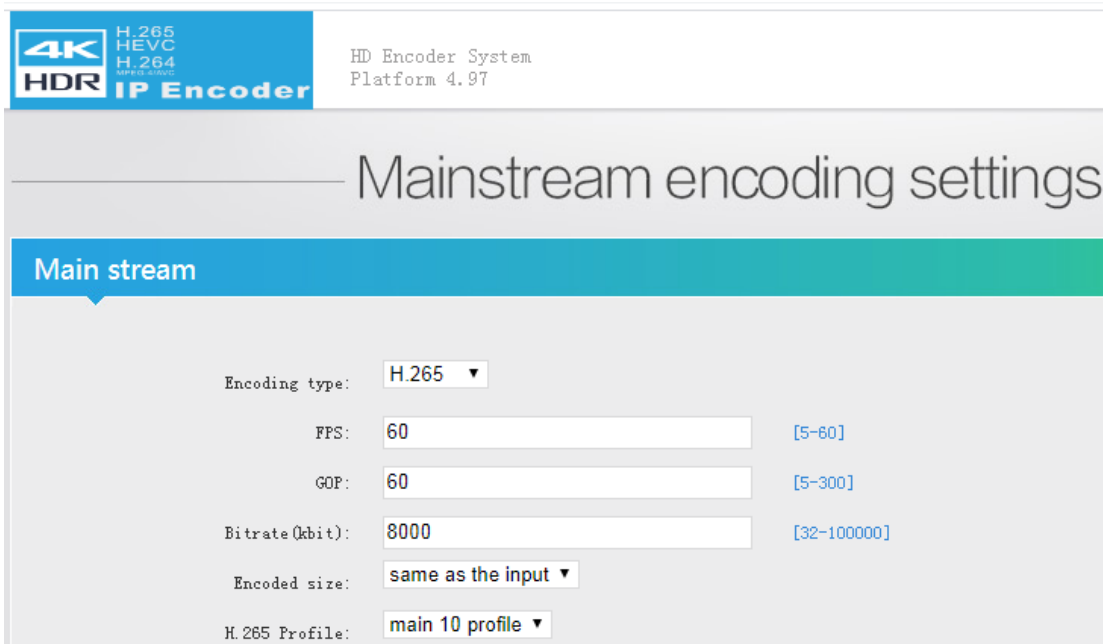


# HDR Settings for UHD 4K60FPS HDR Encoder

## 1. Encoder settings:

### 1.1 Select H.265 & Main 10 Profile

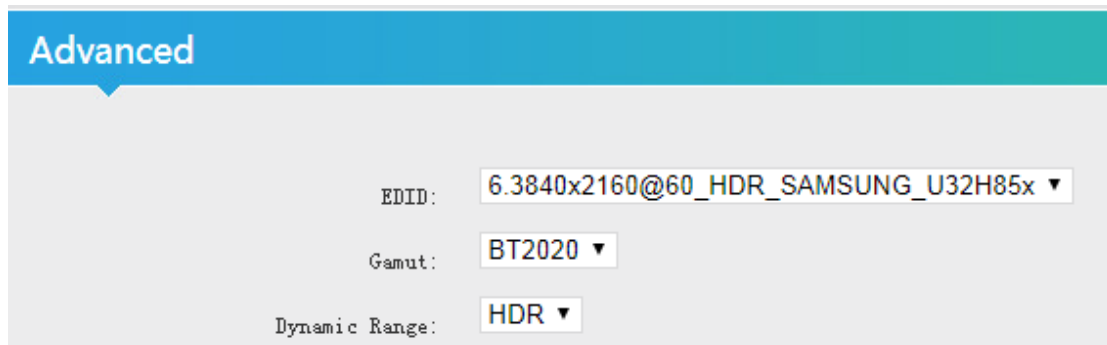


The screenshot shows the 'Mainstream encoding settings' interface of the HD Encoder System Platform 4.97. The interface includes a header with '4K HDR IP Encoder' and 'H.265 HEVC H.264' logos. The 'Main stream' section is highlighted in blue and contains the following settings:

Encoding type:	H.265 ▼	
FPS:	60	[5-60]
GOP:	60	[5-300]
Bitrate (kbit):	8000	[32-100000]
Encoded size:	same as the input ▼	
H.265 Profile:	main 10 profile ▼	

### 1.2 System-Advanced

- Select the EDID with HDR.
- Gamut: BT2020
- Dynamic Range: HDR



The screenshot shows the 'Advanced' settings interface of the HD Encoder System. The 'Advanced' section is highlighted in blue and contains the following settings:

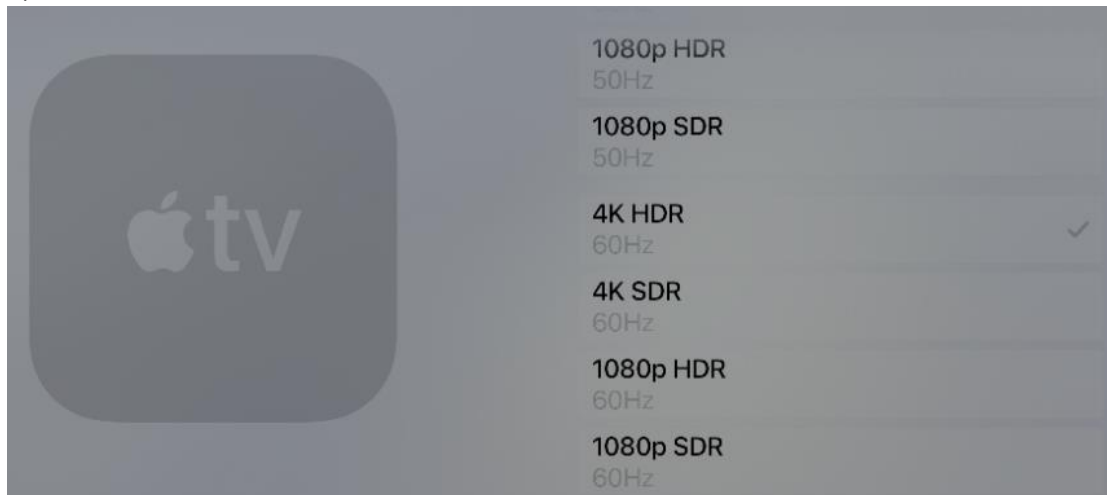
EDID:	6.3840x2160@60_HDR_SAMSUNG_U32H85x ▼
Gamut:	BT2020 ▼
Dynamic Range:	HDR ▼

Note: Please select the BT709&SDR if input video not HDR.

## 2. Input Video Settings:

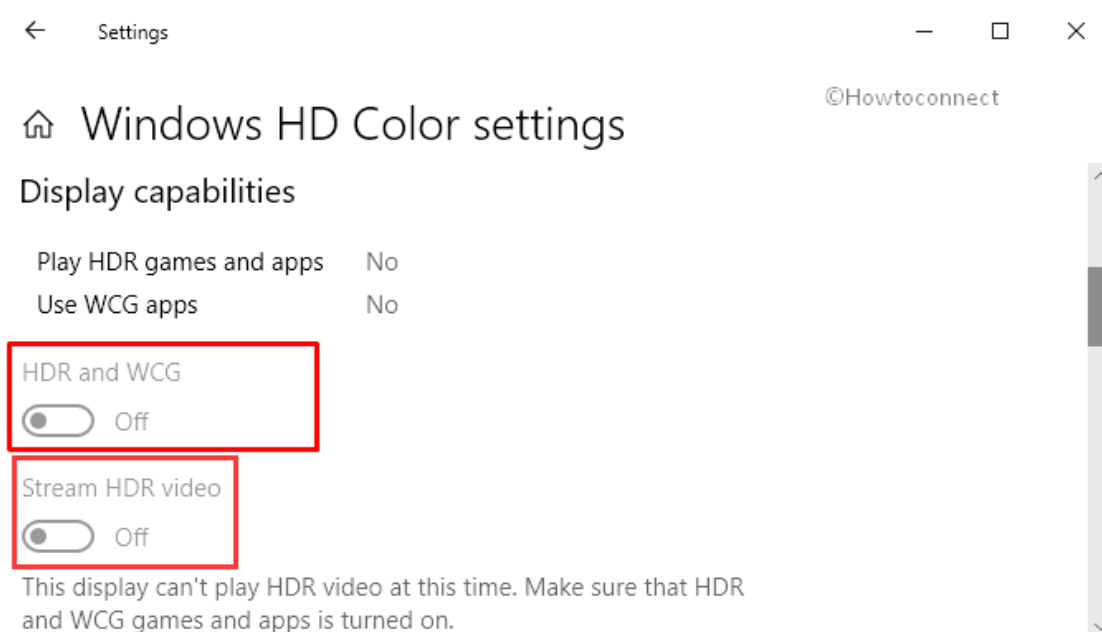
## 2.1 Select the HDR output and 10bit if you can.

a) For Apple TV



b) For PC, enable the HDR, read here,

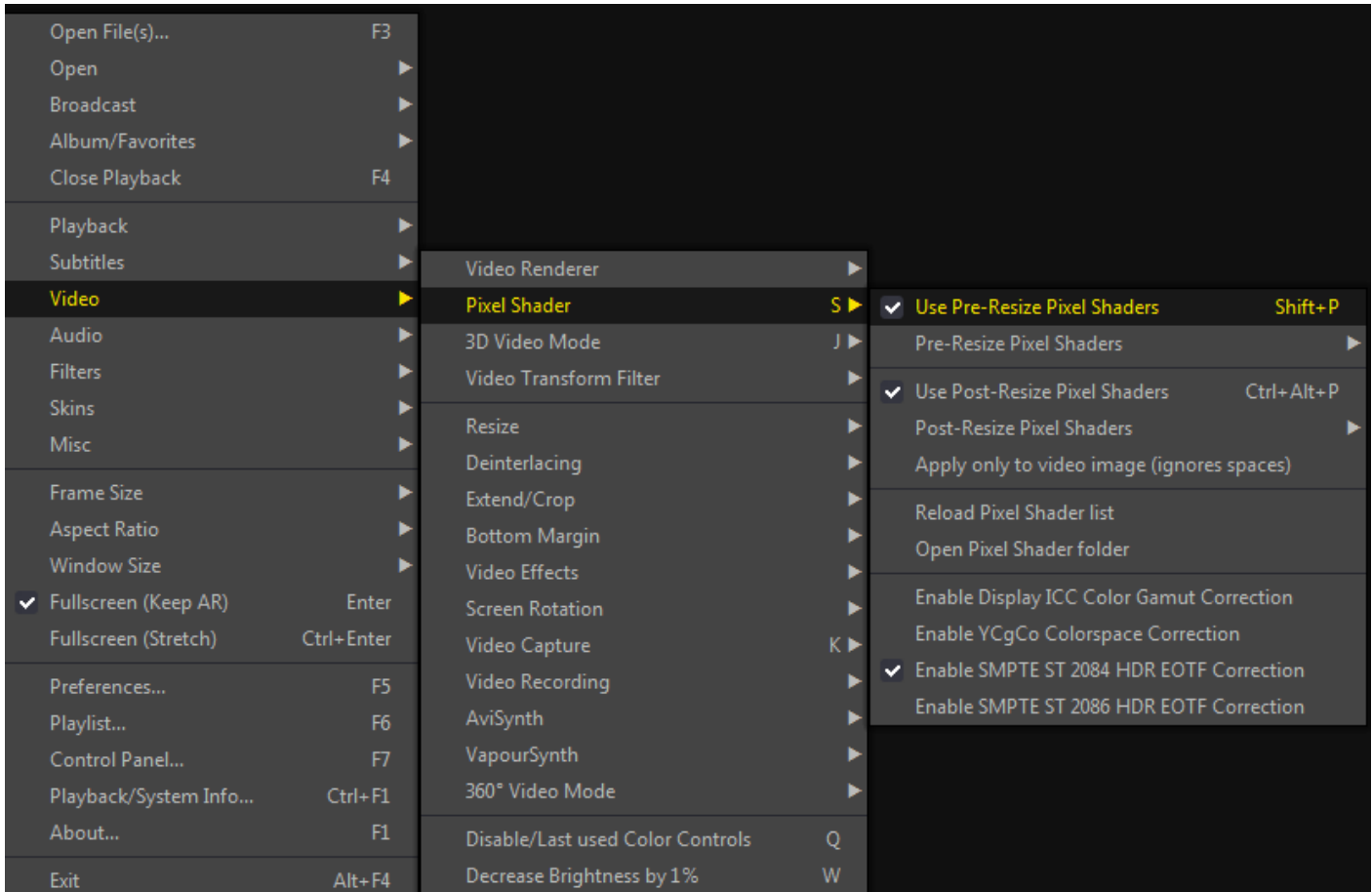
<https://support.microsoft.com/en-us/help/4040263/windows-10-hdr-advanced-color-settings>



## 3. Test the 4K HDR Video Streaming

3.1 For VLC, default settings support the HDR playback.

3.2 For PotPlayer, see below settings or install the HDR plugin.



3.3 Check the play back video codec,

```

Video # 1
  ID : 481 (0x1E1)
  Menu ID : 1 (0x1)
  Format : HEVC
  Format/Info : High Efficiency Video Coding
  Commercial name : HDR10
  Format profile : Main 10@L4.1@Main
  Codec ID : 36
  Duration : 10 s 133 ms
  Width : 1 920 pixels
  Height : 1 080 pixels
  Display aspect ratio : 16:9
  Frame rate : 60.000 FPS
  Color space : YUV
  Chroma subsampling : 4:2:0
  Bit depth : 10 bits
  Color range : Limited
  Color primaries : BT.2020
  Transfer characteristics : PQ
  Matrix coefficients : BT.2020 non-constant
  Mastering display color primaries : BT.2020
  
```