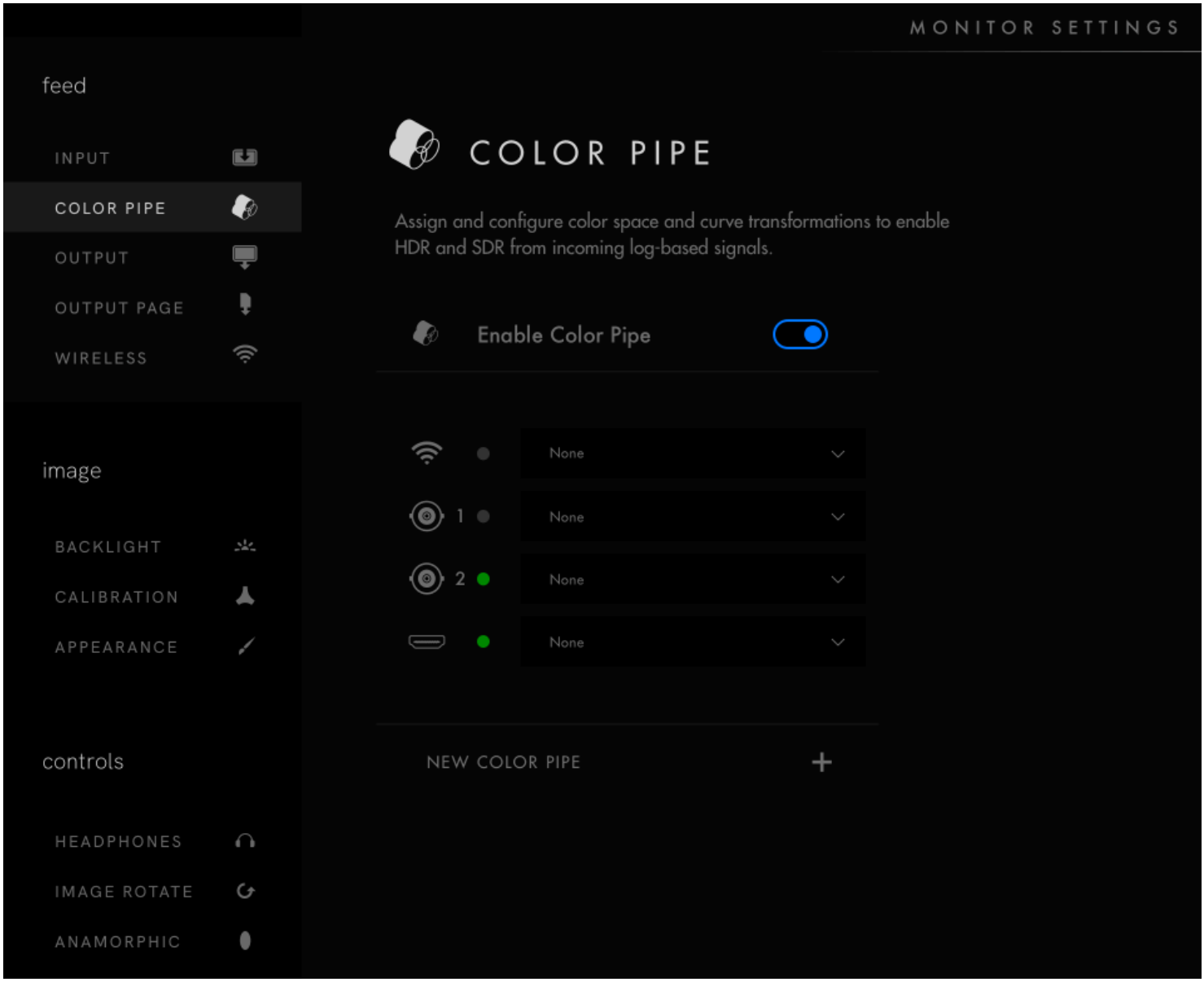
Color Pipe

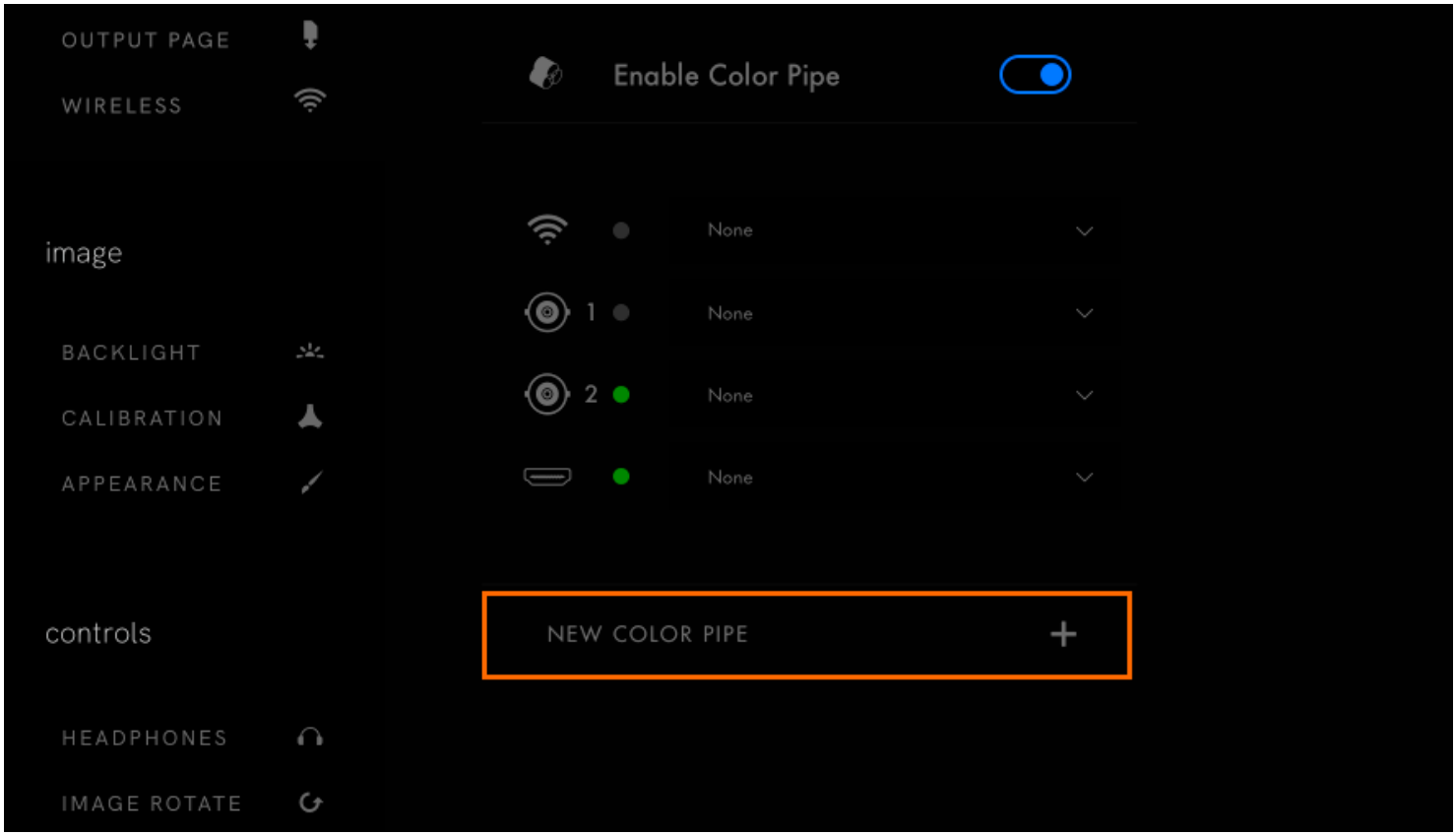
Color Pipe settings ensure that incoming video signals are displayed accurately in the desired format. Each Input (4x 12G SDI, 1x HDMI) is assigned to a particular Color Pipe. Create up to 8 different Color Pipe settings at a time.

Creating a New Color Pipe

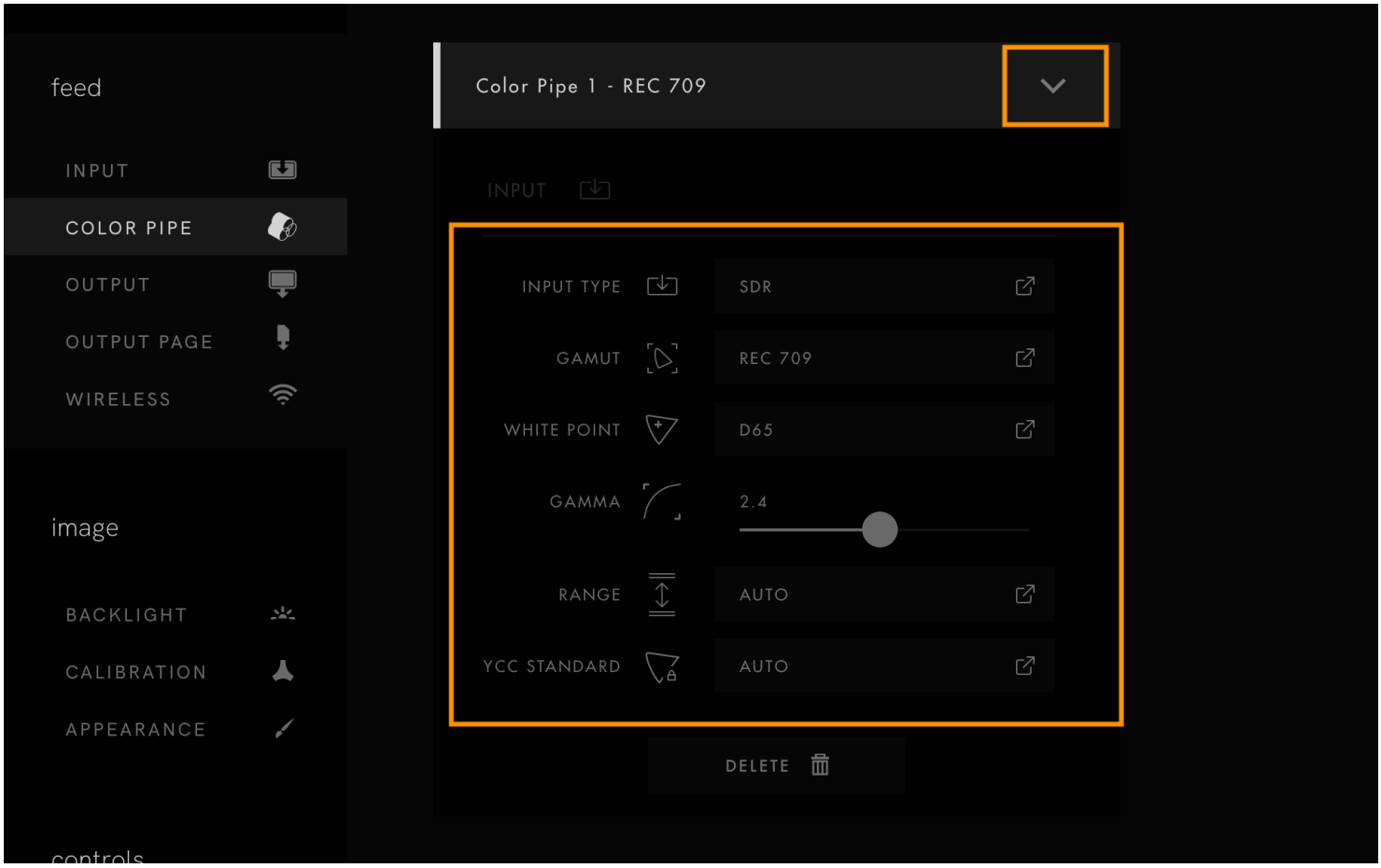
1. Navigate to **MONITOR SETTINGS > FEED > COLOR PIPE.**



2. Scroll down and tap **NEW COLOR PIPE +**.



3. By default, the new Color Pipe standard is set to REC 709. Tap the scroll-down icon to make changes.


feed
INPUT
COLOR PIPE
OUTPUT
OUTPUT PAGE
WIRELESS
image
BACKLIGHT
CALIBRATION
APPEARANCE
controls
Color Pipe 1 - REC 709
INPUT
INPUT TYPE
SDR
GAMUT
REC 709
WHITE POINT
D65
GAMMA
2.4
RANGE
AUTO
YCC STANDARD
AUTO
DELETE

CONFIGURABLE OPTIONS

INPUT TYPE will be what signals the Monitor accepts. The default is **SDR**.

- **SDR**
- **HDR**
- **LOG**

***NOTE: some of our monitors will accept HDR the monitor type will determine what options are available.**

GAMUT is the color profile (These are your R G B parameters - where the points of the triangle are placed on the color profile). The default is **REC 709**.
***NOTE: Some monitors will accept HDR. The monitor type will determine what options are available.**
****NOTE When in a LOG input type, GAMUT will be replaced by CAMERA.**

WHITE POINT can be adjusted to further move the white point inside the color Gamut.

GAMMA curve affects highlights and shadows. This should be matched to your camera's output (i.e. if the camera is outputting a 2.2 gamma curve, the color pipe should be matched to 2.2).

RANGE has three options:

- **AUTO:** The system will make a calculation based on ingest.
- **LEGAL:** Based on Broadcast standards for the Legal range of the color spectrum.

- **FULL:** This will be a complete spectrum of the color range

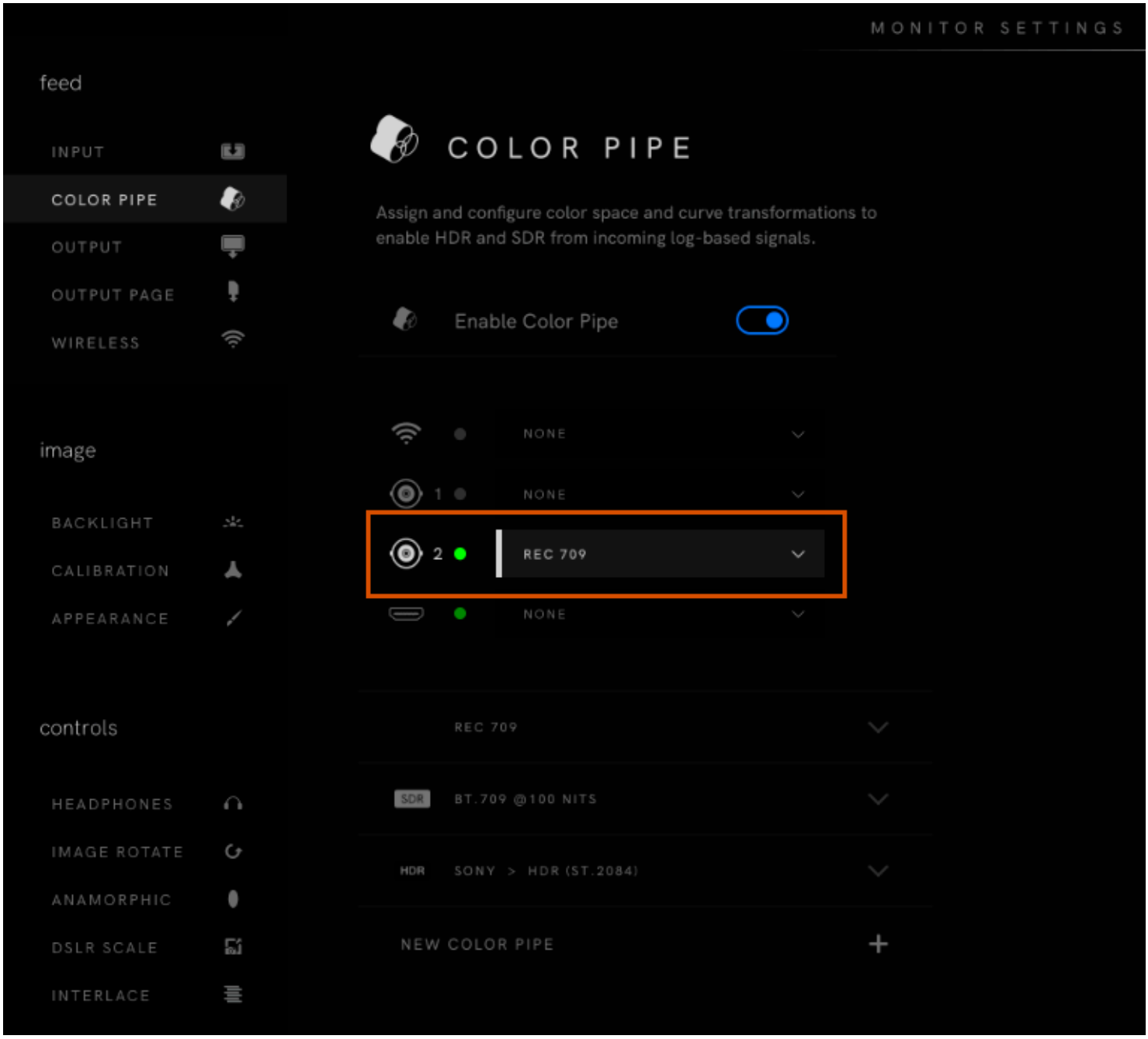
YCC STANDARD is the standard you use when converting YCC data to RGB. If unsure, use **AUTO** to match video metadata.

- **AUTO**
- **MATCH GAMUT**
- **REC 601**
- **REC 709**
- **REC 2020**

***NOTE: It's important to know what type of signal you are sending, if you are unsure, it's best to leave set to Auto.**

Assigning a Color Pipe Setting to an Input

1. Navigate to **MONITOR SETTINGS > FEED > COLOR PIPE**.
2. Select the input.



3. Select the Color Pipe setting you want to assign to the input.

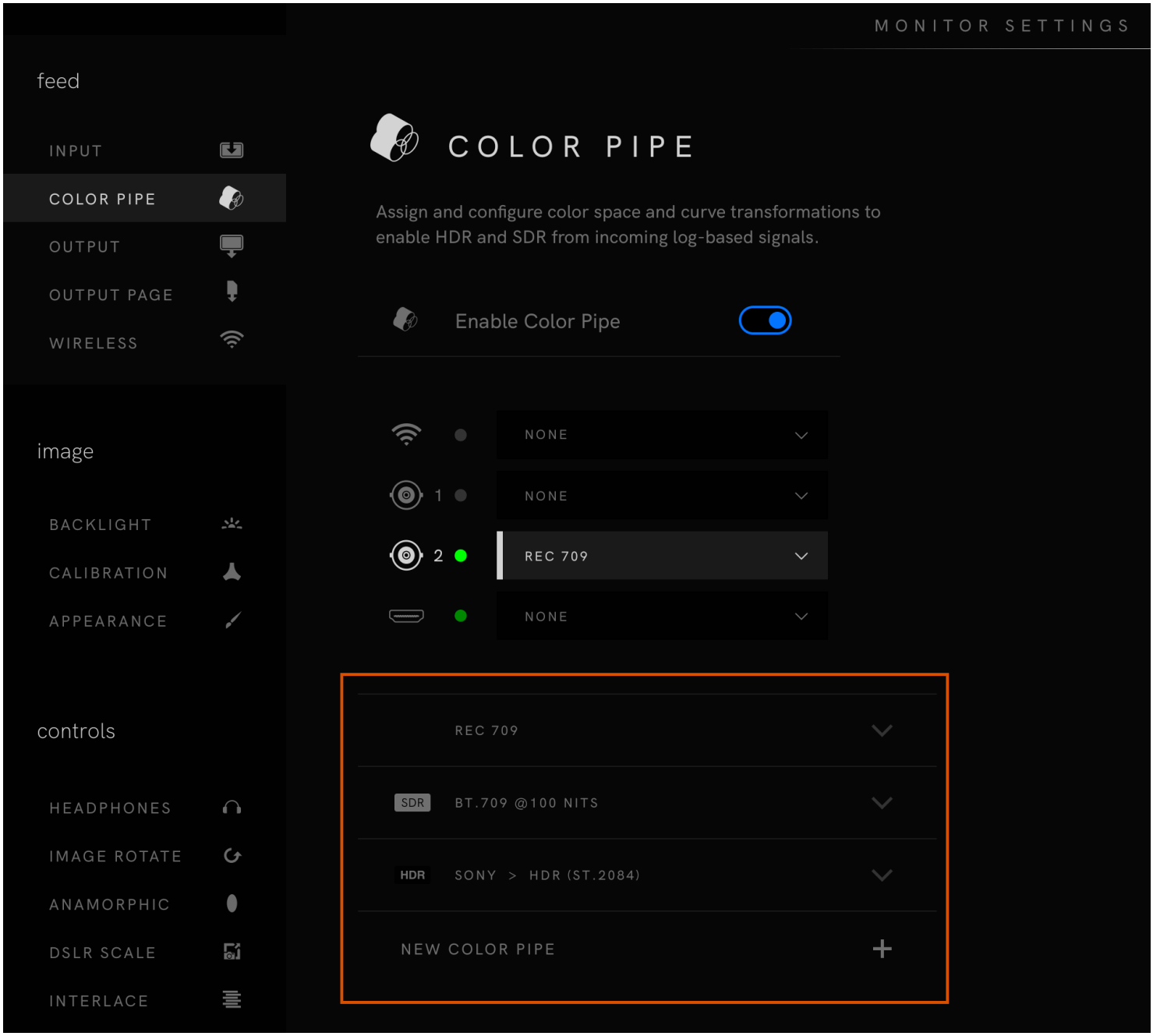
NOTE: If you don't see a Color Pipe that corresponds to your input, create a new Color Pipe setting (refer to the instructions **here**).

Applying a Color Pipe Conversion

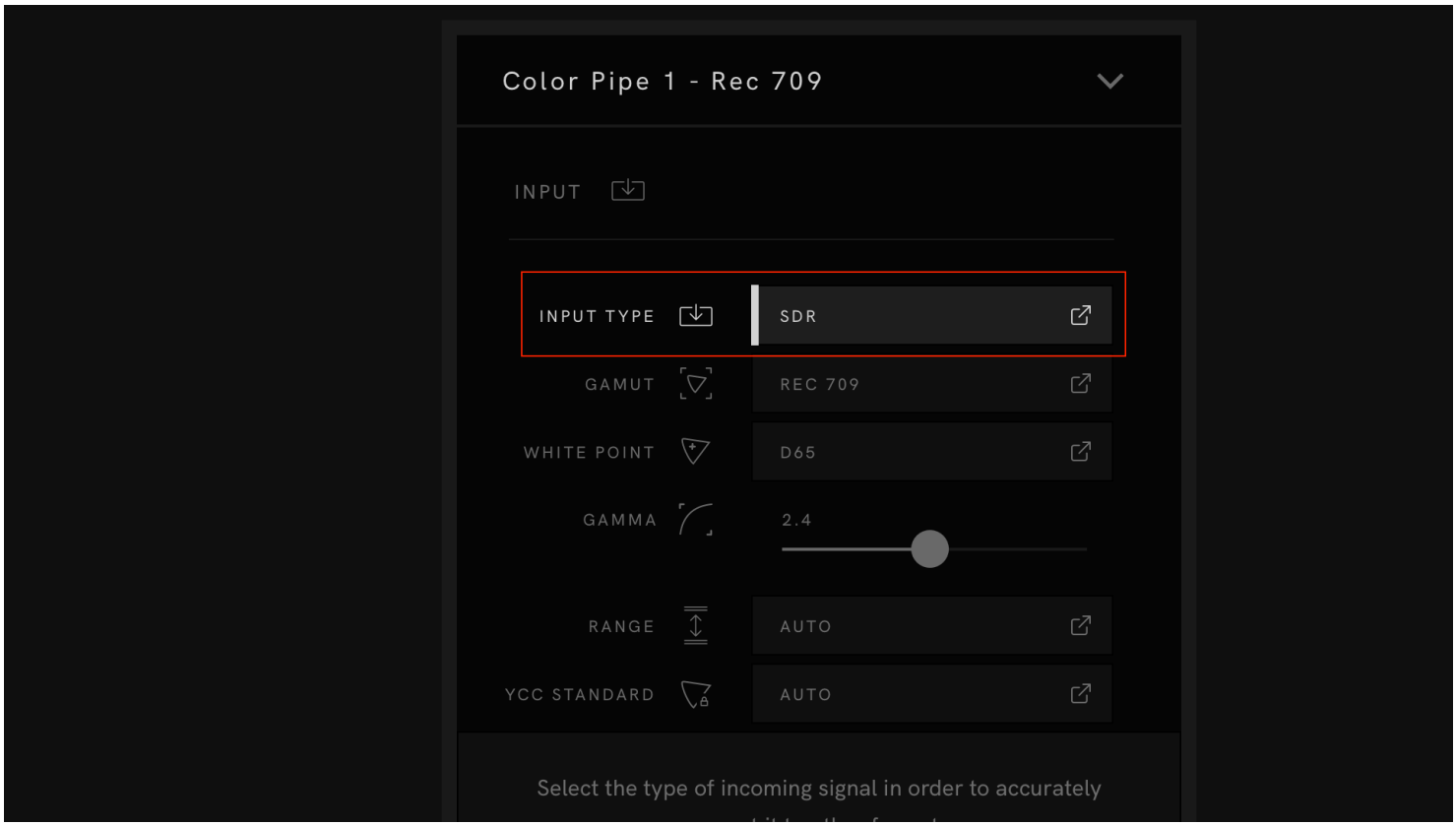
The user can display an SDR or HDR conversion on the SmallHD monitor using the Color Pipe Display setting for log-based sources. Depending on the monitor type, the user may choose to convert the LOG video to SDR or HDR.

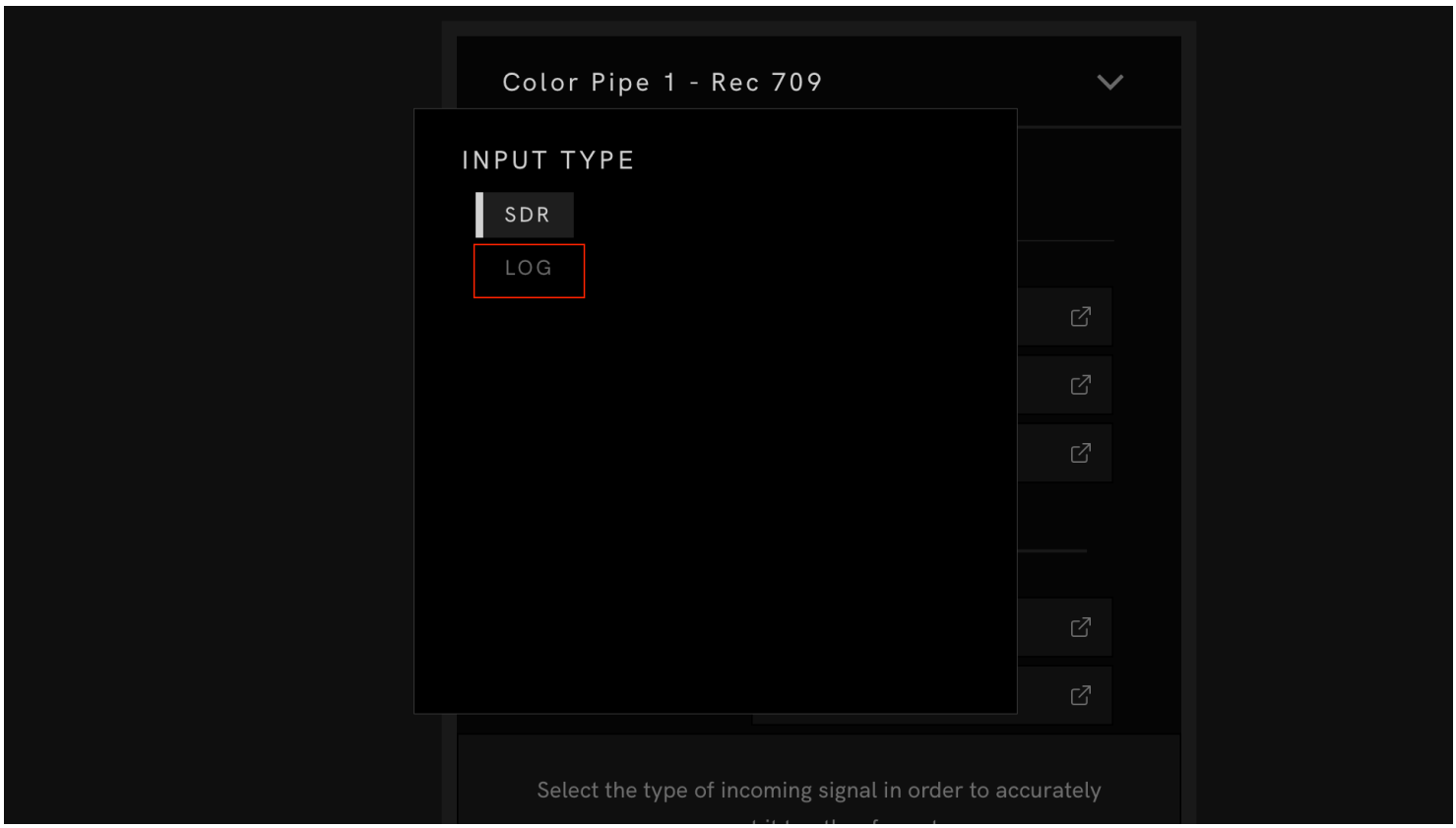
1. Navigate to **MONITOR SETTINGS > FEED > COLOR PIPE**.

2. Scroll down and select a Color Pipe, or tap **NEW COLOR PIPE +**.

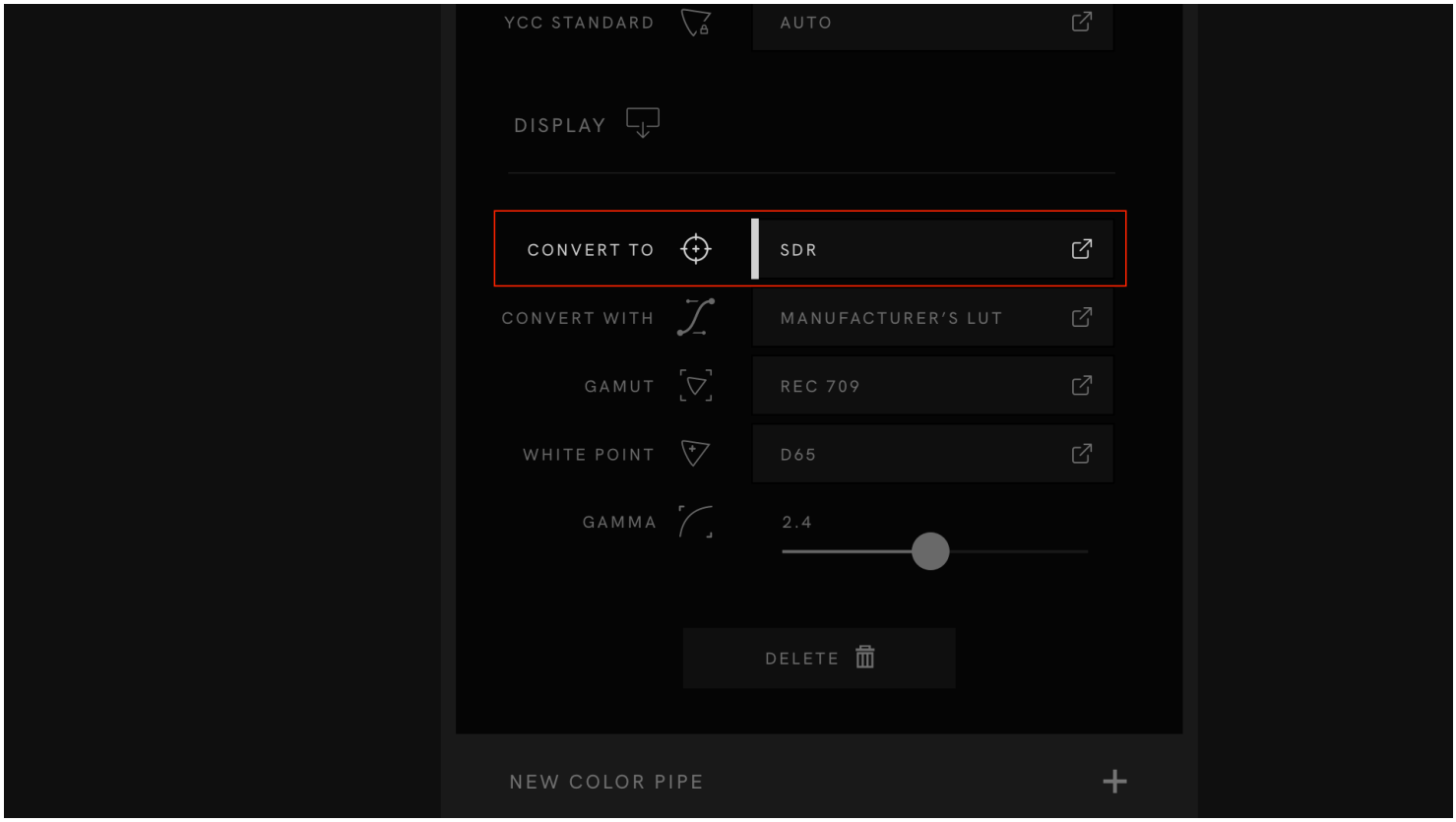


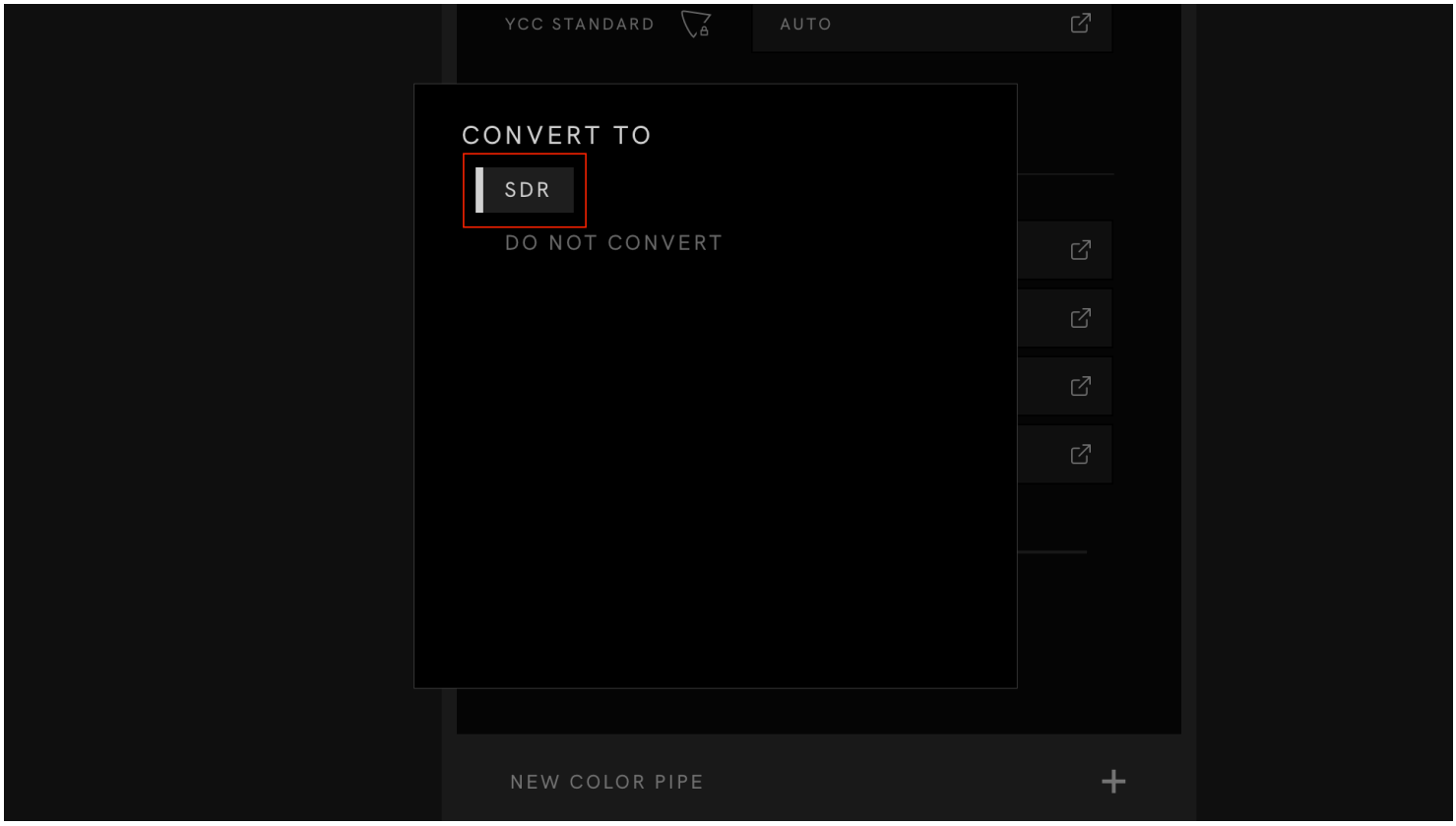
3. Tap **INPUT TYPE**, then select **LOG** from the drop-down menu.


Color Pipe 1 - Rec 709
INPUT
INPUT TYPE
SDR
GAMUT
REC 709
WHITE POINT
D65
GAMMA
2.4
RANGE
AUTO
YCC STANDARD
AUTO
Select the type of incoming signal in order to accurately


Color Pipe 1 - Rec 709
INPUT TYPE
SDR
LOG
Select the type of incoming signal in order to accurately

4. Scroll down to **DISPLAY**, then make a selection from the **CONVERT TO** menu.





5. Scroll up and tap the input to which you want to apply the conversion, then select the Color pipe.