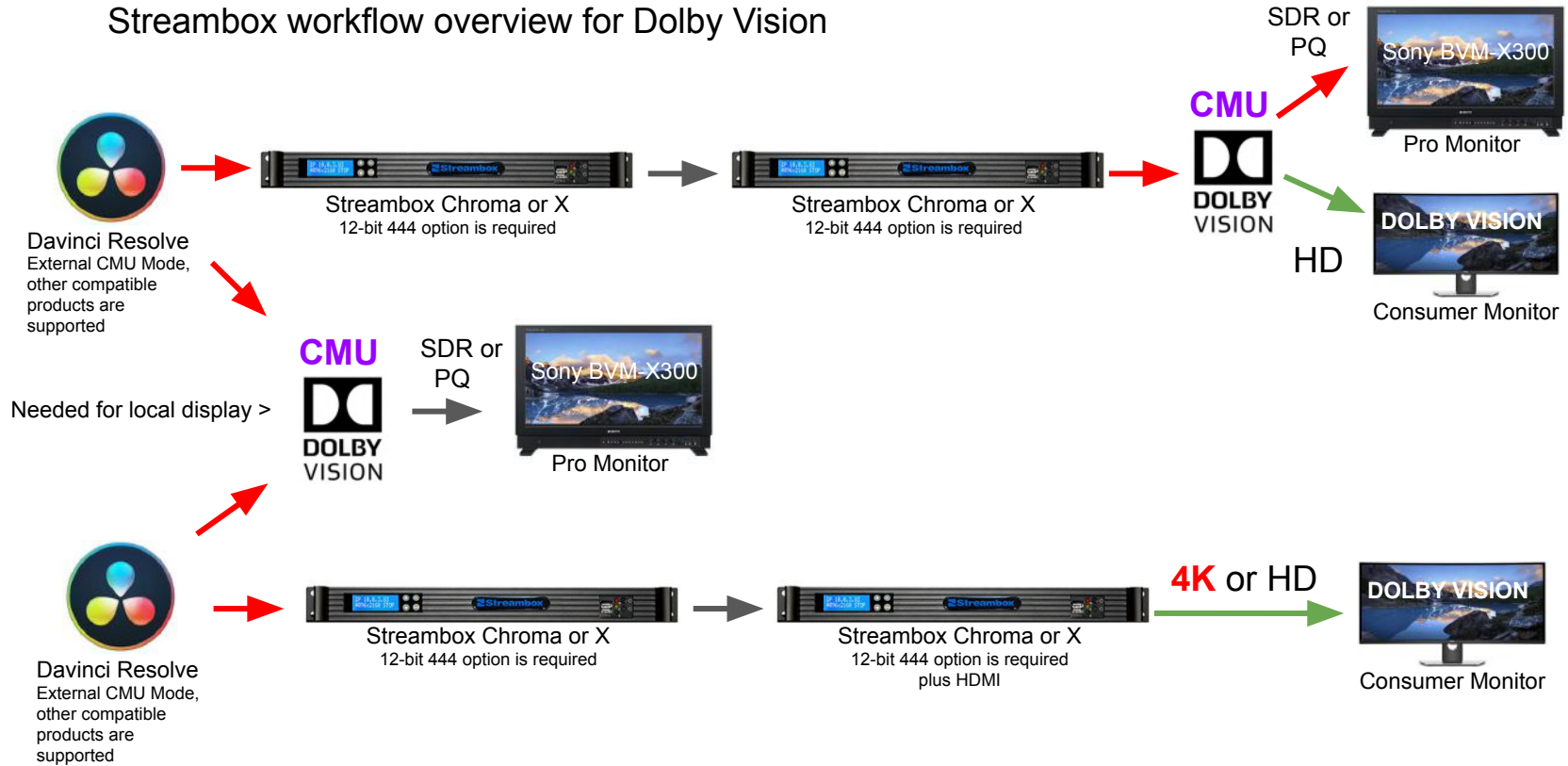


# Streambox workflow overview for Dolby Vision



 SDI with embedded Dolby Vision Metadata (line 0)

 Dolby Vision Tunneling over HDMI

# Encoder side setup

The screenshot shows the 'Config' tab of the Streambox Chroma Encoder. The 'Video' section on the left displays a video preview of a woman's face. Below the preview, the 'Source video format' is listed as 1080p23.98 RGB. The 'Network' section on the right shows the Encoder IP as 192.168.1.10 and the Decoder IP as 192.168.1.35. A green 'START Streaming' button is visible in the 'Streaming' section.

Meta-data present status

4:4:4 12-bit  
RGB is required

The screenshot shows the 'Config' tab with the 'Video Settings' section expanded. The 'Color Profile' is set to '4:4:4' (default: 4:2:2). The 'Frame-rate' is 'Full' (default: Full). The 'Key Frames' are '100 frames' (default: 300 frames). The 'Advanced profile' is 'On' (Default: Off). The 'Bit depth' is '12' (Default: 10-bit). The 'Color Space' is 'DCL/ICT RGB' (For RGB 4:4:4 only). The 'Save Preset' section on the right shows a 'Preset Name' field and four settings: Encoding, Bitrate, Latency, Network, FEC, Video/Audio Input, and Metadata.

The screenshot shows the 'Metadata' tab of the Streambox Chroma Encoder. The 'Transport Metadata' section has a toggle set to 'ON'. The 'DolbyVision Metadata Capture Mode' section has a toggle set to 'ON' and 'RAW'. The 'Version' is 4, 'Port' is 148, 'Packet size' is 148, 'Trims' is 0, and 'max PQ:2607 min PQ:0 avg PQ:937'. There are input fields for 'Title', 'Location', 'Reporter', and 'Producer', and a 'DRM' field set to 'undefined'. An 'Apply Changes' button is at the bottom.

Meta-data tab will show  
Status when CMU meta data  
is enabled and present

# Decoder side setup

Streambox Chroma  
Streambox Transport Decoder

Keep sess  
Bitrate: No Incoming Data, L=0, R=0, IP: 192.168.1.42

Info Network Output Accounts Encryption System Log

**Statistics**  
Bitrate: 0.0K  
Buffer: 0.1K  
Lost Frames: 0  
Recovered Packets: 0

**Metadata**  
Title: N/A  
Location: N/A  
Connectivity: N/A  
Reporter: N/A  
Producer: N/A  
GPS Location: N/A, N/A

**DolbyVision**  
size: 0  
time: 0  
PQ: max:2607 avg:937 min:0

**Decoder Info**  
Video: 1920x1080 Jitter: 5  
Decoder IP: 192.168.1.42 Jitter2: 5  
Frame Rate: 23.98 fps Part: 1770  
Color Profile: 4:4:4 Field Order: UP  
PEC: OFF CODEC: ACT-L5  
Shuffle: OFF dolbyVision: HDM1  
Latency: 0.0 sec  
Audio: PCM BCH

Preview Update: OFF Stop [Mute] Low | Soft | Mute

**Interface Info**

Status	Name	IP	Provider	Bitrate Kbps	Loss %	Jitter ms	Out-of-Order Packets	Delay ms	Jitter 1 ms	Jitter 2 ms	Max Delay ms
On		192.168.1.10	vera	0.00	N/A	N/A	N/A	100	5	N/A	

Meta-data present status

Streambox Chroma  
Streambox Transport Decoder

Keep session alive: off  
Bitrate: No Incoming Data, L=0, R=0, IP: 192.168.1.42

Info Network Output Accounts Encryption System Log

**General Settings**

Audio Channels\*: 6 Channels 8 Channels

Standby Video: ON OFF

Standby Delay: 10 seconds

Latency Control (recommended): ON OFF

Show Audio: ON OFF

Show Timer: ON OFF

\* = These settings require the decoder to restart and will cause a brief interruption in your video.

**Video Settings**

SDI output\*: Single Link SDI

SDI bit depth\*: 10 bit

Force RGB output\*: OFF ON

Output HDR meta data over HDMI\*: OFF ON

**Genlock Settings**

Genlock: Free Run Reference Input 1

**Dolby Settings**

DolbyVision Output: OFF Tuning CMU

HD Decoder Version 5.100.49.E.DEV, Web Version: 1.1.54b  
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Select CMU or Tuning