

# FlowR Multiscreen Transcoder

## IPTV Real-Time Transcoding Solution



FlowR Transcoder is a turnkey 1 RU appliance for live TV transcoding over IP, and HLS Over-The-Top video streaming. It is designed for customers with H264/HD non-compliant terminals and allows users to watch Live TV channels on their mobile or tablet.

Each input is independantly transcoded, allowing you to decide the Output mode: Multicast (Audio/Video codecs, bitrates or resolution), or Apple HLS Protocol.

The « Video Copy » mode gives you the ability to only transcode the audio track when your devices are only compliant with HD video decoding.

FlowR Transcoder:

- ✓ Monitors,
- ✓ Transcodes, Packages & Adapts,
- ✓ Downscals & Downgrades

... your existing IPTV streams to meet your network requirements and your terminals capabilities.

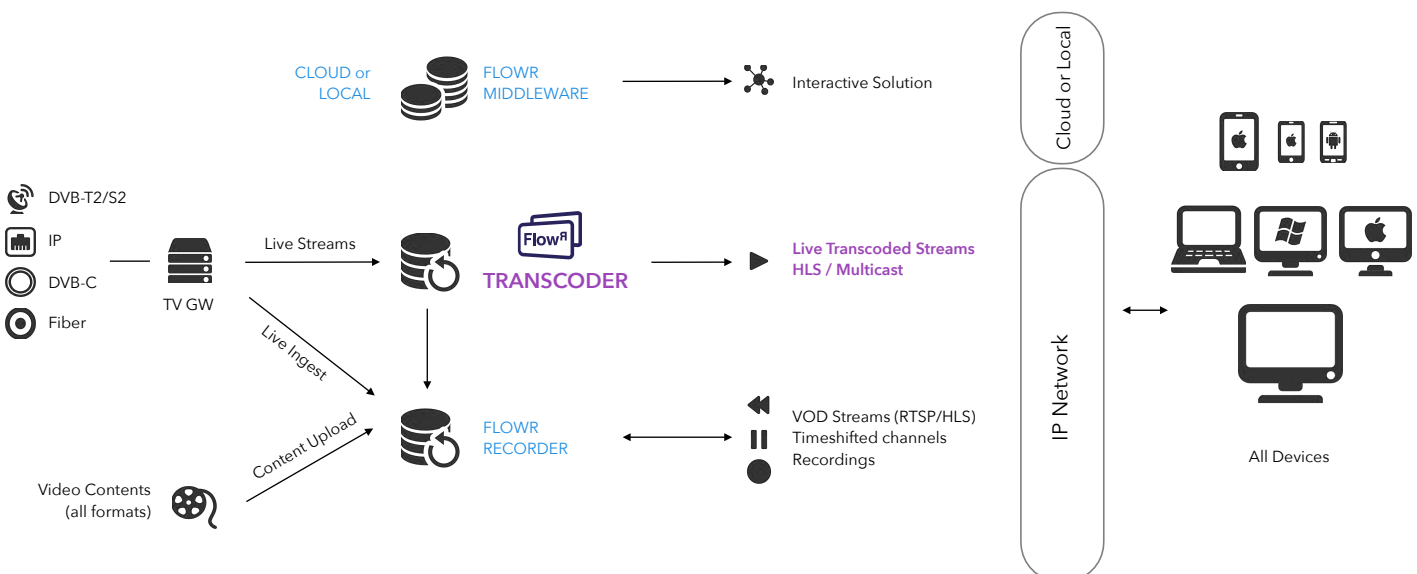


« Control your IPTV Streams » —

### Audio/Video conversion Applications

- ▶ Adapt your TV streams to make them compliant with your IPTV ecosystem
- ▶ HTTP Live Streaming to personal devices
- ▶ Lighten the weight of your data video allows you to control the TV bandwidth on your IP Network
- ▶ Standardize your TV channels Audio / Video codecs

Transcodes up to 8 concurrent streams (Downscale, Copy or HLS)





## IP Inputs

### Inputs

- Protocol: Unicast/Multicast TS over UDP
- Free-to-air Single Program Transport Stream (SPTS)

### Audio/Video Decoding

- Video Codecs: MPEG-2 and/or MPEG-4 (H264)
- SD/HD - Max Video Resolution: 1080p
- Audio Codecs: MPEG-1 Layer II, AAC, (E-)AC-3
- Max Bitrate: 20 Mbps
- Constant and Variable Bitrates (CBR & VBR)
- Max Framerate: 25 fps

## Multicast / HLS Outputs

### MPEG-2 SD Transcoded Outputs

- Protocols: Multicast TS over UDP
- FTA Single Program Transport Stream (SPTS)
- Video Codec: MPEG-2
- Max Video Resolution: 576i
- Max Bitrate: 8 Mbps (CBR)
- Audio Codecs: MPEG-1 Layer II, AAC, AC3

### Video Copy Outputs

- Native codecs, bitrate and resolution

### Apple HLS Transcoded Outputs

### Performances

- Up to 8 concurrent transcodings

## Administration & Monitoring

- Web Interface (Chrome, Firefox, Safari, IE10)
- SSH Secure Command Lines
- Admin/Streaming Separate VLANs
- Configuration Import/Export
- Transcoding Real-Time Monitoring (thumbnails, uptimes, memory)
- Secure Support Tunnel
- SNMP (optional)
- Resilient channels
- Logs & alarms events
- E-mail notifications

## Physical

- Height: 43 mm (1RU)
- Width: 437 mm
- Depth: 503 mm
- Weight: 14.1 Kg
- Network: 2 GbE Lan
- Power Consumption: 350W
- Voltage: 100-240 V, 50-60 Hz
- Storage Temperature: -40°C ~ 60°C

## Interoperability

- With major Set-Top-Boxes and Connected Televisions vendors (TS or HLS compliant)
- Personal Devices (Mobile/Tablet)

## Sales Model

- 1 RU Hardware Appliance
- Base license included
- 8 concurrent transcoding licenses included

## Maintenance & Support

- Hotline (Silver, Gold, Platinum)
- Online Support Ticket Tool
- New Software Releases Access
- RMA