

# FlowR Recorder & VOD Server

## Network Digital Video Recorder



FlowR Recorder is a VOD server and recorder, giving each user access to their content at any time on any device.

Designed to address Hotels, Hospitals and Headquarters needs, FlowR Recorder provides innovative features to guests, patients and collaborators :

- Pause TV
- Network centralized recording (no local storage)
- Continuous Video recording (aka Circular Buffer)
- Shared video libraries
- Massive Open Online Courses (MOOC)

Any type of video files supported, FTP or HTTP upload. IPTV channels can be recorded or delayed. HLS and Transport Stream output for connected TV sets, set top boxes, and all personal devices.

## HIGHLIGHTS

- ▶ Plug & Stream
- ▶ Circular Buffer
- ▶ IPTV Transport Stream Output
- ▶ HTTP Live Streaming Output



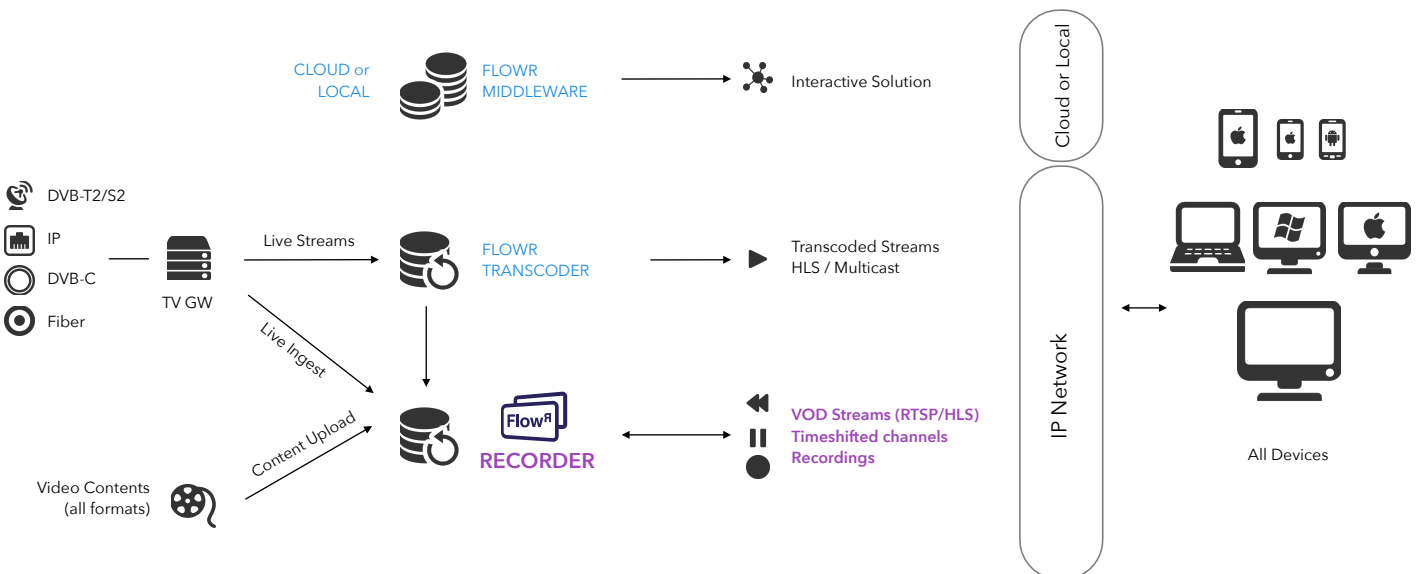
### On-Demand Content Applications

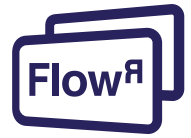
- VOD: On-Demand content anytime
- Replay/Catchup TV: Recorded/Delayed TV programs
- Live TV Controls: Pause, Stop, Fast Forward & Rewind
- Shared video libraries: Company sharing made simple in enterprise

### Timeshifting & PVR Applications

- nPVR: (instant or scheduled) Record and Play your favorite TV programs
- Pause TV/Timeshift: Allow your guests to pause Live TV channels
- Start-Over: Rewind to the start of a TV program
- Extract video parts from your TV recordings (Enterprise market)

## « Record, Control and Stream »





## IP Inputs

### Inputs: Live TV Streams

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

### Inputs: Video Files

- All Video file formats to be uploaded via secure FTP or HTTP
- Embedded Transcoding Engine to ensure OTT Live Streaming

### Input Characteristics

- Video Codecs: MPEG-2 and/or MPEG-4 (H264)
- SD/HD - Max Video Resolution: 1080p
- Audio Codecs: MPEG-1 Layer II, AAC, AC-3
- Max Bitrate: 20 Mbps
- CBR & VBR Support
- Transport Stream (SPTS) or Video files (all formats)

### Performances

- Up to 20 concurrent Live ingestions

## Administration & Monitoring

- Web Interface (Chrome, Firefox, Safari, IE10)
- SSH Secure Command Lines
- VOD sessions Real-Time Monitoring
- Admin/Streaming Separate VLANs
- Configuration Import/Export
- Secure Support Tunnel
- SNMP (optional)

## Interoperability

- Apple HLS (\*) compliant devices (personal devices, connected TVs, set top boxes)
- All TS Multicast compliant devices

## Sales Model

- 1 RU Hardware Appliance
- Base license included
- Inputs/Outputs unit licenses

## IP Outputs

### Output Protocols

- RTSP
- Unicast/Multicast (TS over UDP)
- OTT Protocol: Apple HTTP Live Streaming (HLS) \*

### Content Playlist Management

### Output Stream Characteristics

- Audio/Video Codecs: H264/AAC (if HLS)
- Max Video Resolution: 1080p
- Max Video Bitrate: 8 Mbps (CBR)

### Performances

- Up to 100 concurrent VOD streams

## 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

## Embedded Storage

- Up to 8 HDDs (hard drives not included)
- Up to 1000H of HD video (with circular buffer up to 200H)

## Maintenance & Support

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