

# MultiRec

An advanced solution for non-stop recording and advertisement scanning/detection

Web UI

Multiple formats

Burn-in Metadata

24x7





Stream MultiRec is an advanced video/audio logging software for digital 24/7 recording of full-time TV and Radio channels.

You just set the needed number of days to keep track of, and Stream MultiRec will continuously record 24 hours a day with no human concern.

The number of recorded channels is determined by user and depending on the specific requirements and the storage capacity of the video server in use.



## Highlights

- Based on the proprietary audio and video fingerprinting technology
- Automatic commercial ads detection, promos detection or any other content matching
- Supports both audio- and video-based detection
- Does not require any watermarking of the feeds in advance
- Fingerprint can be extracted from any sample, either from the recorded feed or from an imported file
- Scan speed up to 16x
- Different user rights groups available which also allows to keep different templates for each operator
- Possibility to scan ads in cases of video upscaling or downscaling (SD and HD)
- Possibility to detect video content in case of video problems – blocking artefacts or analog noise additive
- Low requirements for hardware (servers) performance – possibility to detect up to 128 different video samples at the same time (on one channel) on a 4-crors platform

Ability to work with the compliance recording server via the WEB interface, android, ios support.



## Supported Inputs

- UDP, RTP (SD, HD, UHD); Multicast, Unicast; SPTS, MPTS; **Video codecs:** H.264, H.265, MPEG-2 **Audio codecs:** MPEG-1 Layer2, Layer3, AAC, AC3
- Onvif devices (with and without authorization) for CCTV cameras (UDP, TCP, HTTP, RTP)
- Direct Link (RTSP)
- Using Stream Labs Multiscreens' encoding options along with the Stream Labs, BlackMagic, DekTec and Mellanox cards the following inputs can also be used:
  - DVB-ASI (MPEG-TS)
  - SD/HD/UHD-SDI, Embedded Audio
  - HDMI
  - SMPTE 2022-6
  - Composite, Analog Audio (PAL, NTSC, SECAM)

## Transcoder IP TS

Part of MultiRec software which allows to transcode TS to the lower bitrate and resolution.

**Input:** UDP and RTP IP TS HD or SD/Multicast or Unicast/SPTS or MPTS/HEVC, H.264 or MPEG-2 with any audio codec.

**Output:** UDP IP TS/Multicast or Unicast/SPTS/H.264 with AAC.

## Time Shifter IP TS

Part of MultiRec software for IP TS Time Delay System for Multiple Video Streams in both standard and high definition MPEG-2 or H.264 Streams.

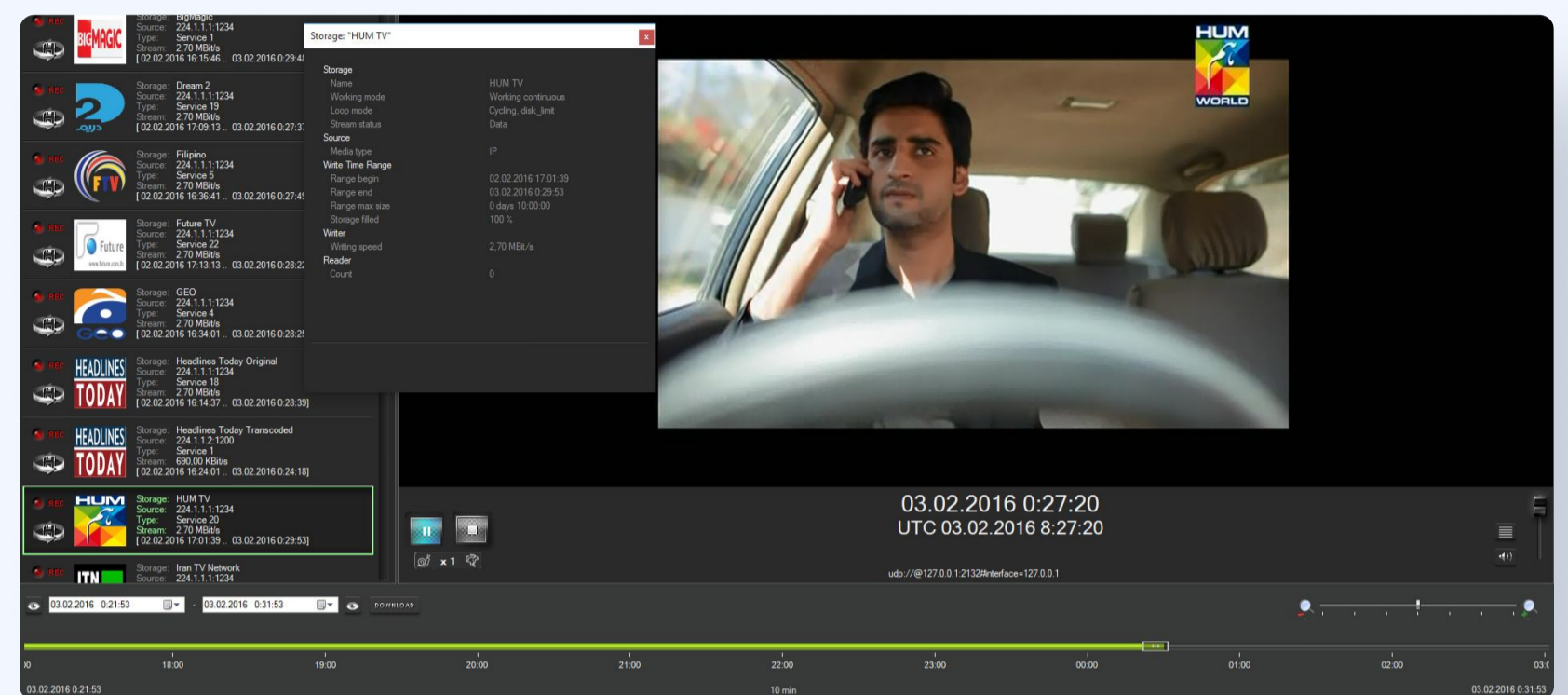
- No software limitation for the Time Delay and Bitrate of IP TS
- Time for IP TS delay depends only from Hard Drive size
- Managed by Remote GUI with easy to use graphical interface



## Main Features

- Demultiplexing MPTS to single services for recording
- Recording of Transport Streams in original format 'as is' or recording with transcoding with an option to scale and flexible settings for more compact storage
- Streaming of recorded channels to an IP network (HLS, UDP)
- UDP (Multicast/Unicast) or HLS from archive to local network for remote visual monitoring of incoming TV-signals and confirmation that they have been recorded and stored in archive
- Support of any capacity HDD and RAID level – local and network storages (NAS)
- Single Central database for all recording servers
- Automatic recording resume after hardware reset
- N+1 redundancy
- Software automatically monitors the performance of each channel and the system in common which allows to flexibly control and adjust server load
- Non-stop recording or upon a record-list for each channel
- Individual schedule and rules for each channel
- Display the entire recording history for every channel using special timeline with different colors, marking the recording events such as the start/stop, no signal, no writing... etc
- Timeline for searching, data selection and download
- User groups allows simultaneous connections, downloading and viewing in real time the recorded data by multiple users
- Time-Stamping on top of video with any font, size, color after downloading from storage

- EPG decoding and logging. Easy one-click navigation through the storage by specific program name
- E-mail and SNMP alerts
- Automated video transcoding and output to external storage systems based on a schedule



**The standard Stream MultiRec Server comes with a complete set of the server and client software.**

The client software can be installed by the user to the desired number of network workstations.

