

Internet Streaming

RTMP Encoder

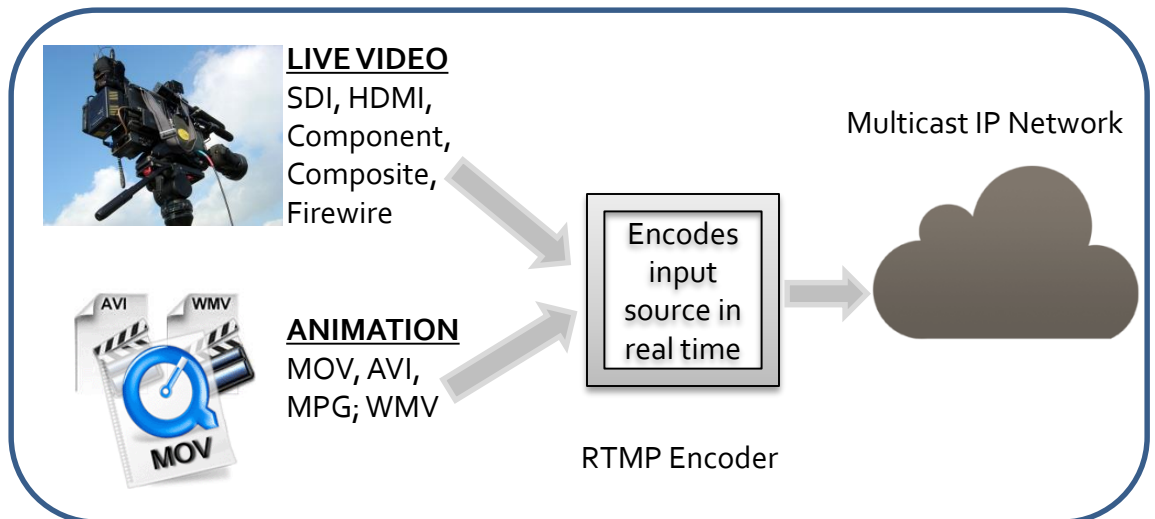
RTMP Encoder is a product that carries raw video source to internet over Flash Media Server (FMS), which is mostly intended as a "resource provider" for internet streaming networks.

It receives video input from external video cards and packages the adjusted video Macromedia / Adobe's Real Time Messaging Protocol (RTMP), and outputs it to the network.

Supported video inputs are:

- Serial Digital Interface [SDI]
- Firewire / IEEE 1394
- Composite
- Video File

Video received from the capture card or video file can be encoded as an MPEG-2, H.264 or DV-Video stream at the desired resolution and bandwidth. Then it is muxed as a Flash Video and streamed as an RTMP stream at the desired location.



Technical Specifications

RTMPEncoder

INPUT

Video Signal Options

- **Digital**
 - Serial Digital Interface (SDI)
 - High Definition Multimedia Interface (HDMI)
 - FireWire (IEEE 1394)
- **Analog**
 - Composite
- **File**
 - Encoded files in AVI, MPEG, MOV etc. formats.

Video Input Formats

- 352 x 288 (CIF or VCD)
- 720 x 576 (PAL or SD)
- 1280 x 720 (720i50) (SDI ve HDMI)
- 1920 x 1080 (1080i50) (SDI ve HDMI)

Audio Input

- Mono / Stereo / Quad channel selection
- Adjustable Audio - Video synchronization (at 20 milliseconds precision)

OUTPUT

Stream / Output Types

- **Adobe RTMP**
 - Streamed over TCP to the desired URL
 - Supported "Flash Media Server"s:
 - Octoshape Broadcaster
 - Wowza Media Server

Supported Video Codecs

- MPEG-2 (ISO/IEC 11172-1, ISO/IEC 13818-1)
- ITU-T H.264 (ISO/IEC 14496-10)
 - Main, Baseline and High profile
 - Level 4.1
- Encoded at desired bitrate

Video Encoding Options

- Quality Profiles: High Quality / Mobile / Performance
- Up to 4 different profiles in a single system
- Resolutions: QCIF, QPAL, PAL, HD and many other non-standard resolutions (320x240 vb.)

Supported Audio Codecs

- AAC (ISO/IEC 13818-7, ISO/IEC 14496-3)
- MP3 (ISO/IEC 11172-3, ISO/IEC 13818-3)
- Encoded at desired samplerate

Other

- Ability to use separate network adapters on the same system