

Live Stream Input Function (live capture of the real-time Internet streams)



Description is valid for software version [2.11.0](#) and newer.

In [2.11.0](#) version, the ability to capture network streams directly in software modules was added.

Most software components that accept video streams as input are not capable of directly capturing real-time network streams.

Modules that support this input mode are:

- [Playout](#);
- [Recorder](#);
- Background layer of the [Program](#) module;
- [Profanity Delay](#);
- [Time Shift](#);
- Multiviewer individual Windows;
- Stream Object in the media database, which can be directly placed in a playlist.

This feature eliminates the need for a [Capture](#) module to capture a network stream in the corresponding module. For modules that support [Compressed Workflow](#), this feature also allows you to input pre-compressed live streams and work without decoding or re-encoding the video. It also allows direct monitoring of network streams in Multiviewer.

Supported streaming formats include:

- MPEG2TS via UDP or SRT
- HLS
- RTMP
- Youtube
- Various streaming platforms

Input URL Format

The input URL format is compatible with [input URL of ffmpeg stream](#).

UDP

UDP URL syntax: `udp://hostname:port[?options]`

Examples:

- `udp://225.1.100.1:1234` - receiving multicast stream.

- `udp://225.1.110.1:2000?localaddr=192.168.0.20` - receiving multicast stream over the selected local interface. It can be useful when more than one interface is used in the system.
- `udp://225.1.110.1:4900?sources=10.1.0.1` - receiving multicast stream sent from the specified addresses.

SRT

SRT URL syntax:

`srt://hostname:port?mode=caller&passphrase=string&latency=microseconds`, where:

- **mode** - specifies the type of connection used. Specify one of the following options in the mode parameter: caller, listener or rendezvous.
- **passphrase** - specifies the password to receive the stream.
- **latency** - specifies the maximum buffer size available for SRT packet management.

Examples:

- `srt://11.22.33.44:8000?mode=caller` - receiving the SRT stream with the connection type specified.
- `srt://11.22.33.44:8000?mode=caller&passphrase=string` - receiving the SRT stream with the connection type and password specified.

RTMP

RTMP URL Syntax:

`%rtmp://[username:password@]server[:port][/app][/instance][/playpath]`

Examples:

- `rtmp://11.22.33.44:1935/appname/streamname` - receiving the RTMP stream.
- `rtmp://username:password@11.22.33.44:1935/appname/streamname` - receiving the RTMP stream with login and password specified.

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