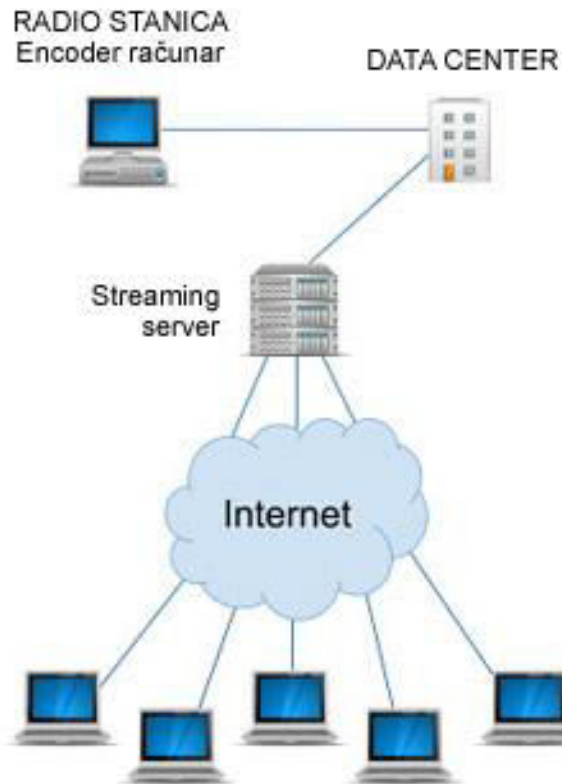


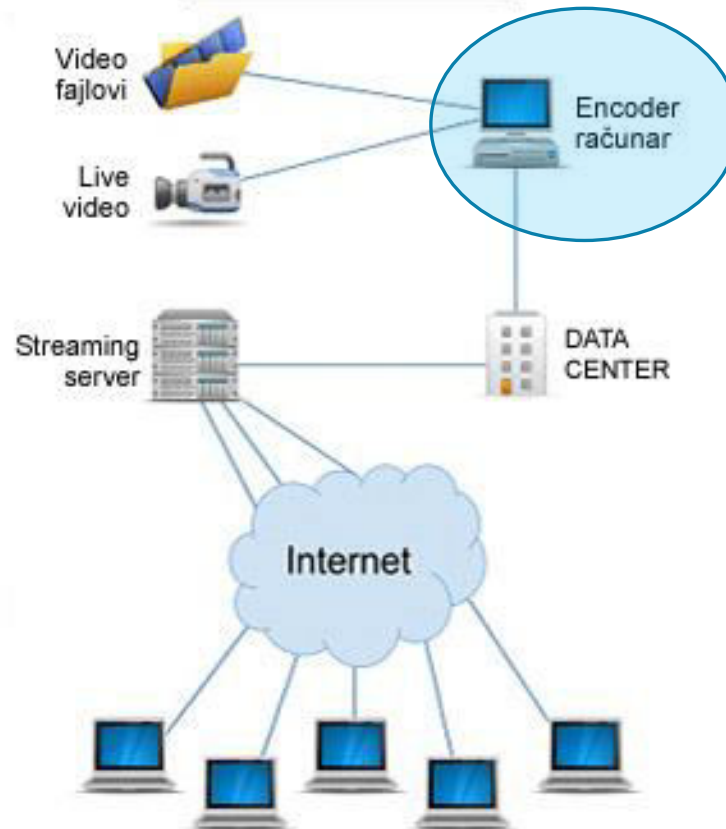
Kreiranje live strema

Multimedijalni sistemi

Audio streaming



Video streaming



Tehničke karakteristike servisa

- Striming signala različitog bitrate-a, od (32 kbps do 2 Mbps), u zavisnosti od brzine linka i potreba korisnika
- Odgovarajući IP adresni prostor
- Kontrola i nadzor servera 24 sata
- Log fajlovi preko kojih se prati gledanost programa
- Tehnička podrška




Video/Audio Encoder

- Uredjaj koji obavlja pretvaranje video/audio sadržaja iz jednog formata u drugi!!!
- Hardverski encoder, sa mogućnošću preuzimanja signala sa adekvatnim interfejsima, i slanjem A/V signala putem WMA, RTMP, RTSP ili MPEG-TS streama do streaming servera
- Softverski enkoder, bazirani na serverskoj platformi (sa procesorom i adekvatnom "capture" karticom), sa neophodnim operativnim sistemom i pratećim softverom za encoding
- Procesorski zahtevne operacije

OPEN BROADCAST SOFTWARE

- program koji beleži sve što se „dešava,, na desktopu, a onda „uhvaćeni,, materijal prosleđuje *online*(*Svet Kompjuter*a Vladimir Pisodorov)
- *OBS* obavlja takozvani *RTMP streaming* i sliku sa vašeg desktopa može automatski da prosledi do desetak popularnih servisa za ovu namenu.
- *OBS* snima, i skladišti sadržaj ina lokalnom računaru i to u obliku FLV ili MP4 datoteka.
- *OBS* je besplatan
- Funkcionalan
- Funkcionalnost može da mu se proširuje putem *plug-
inova*

OBS Studio

Latest Releases  21.1.2  21.1.1  21.1

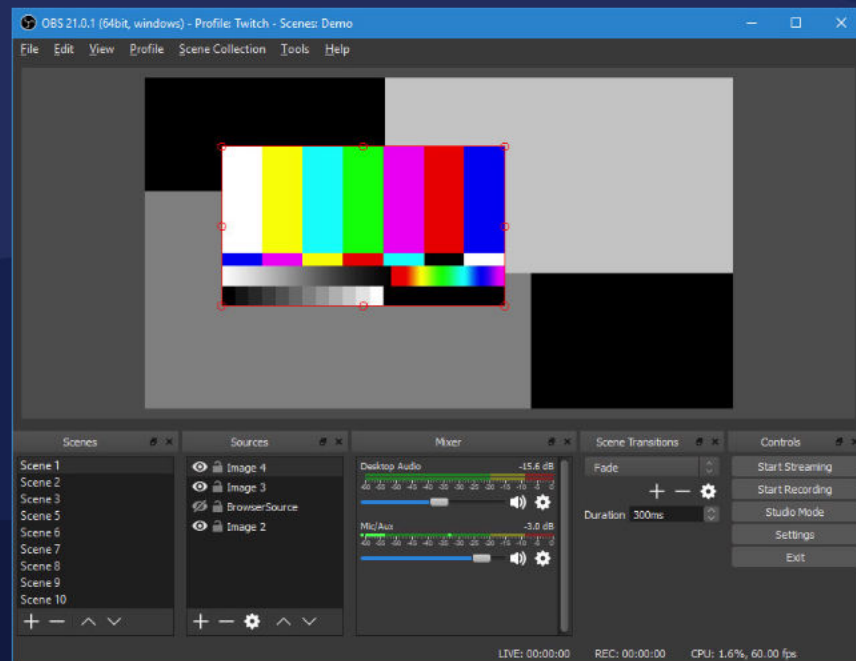
Windows

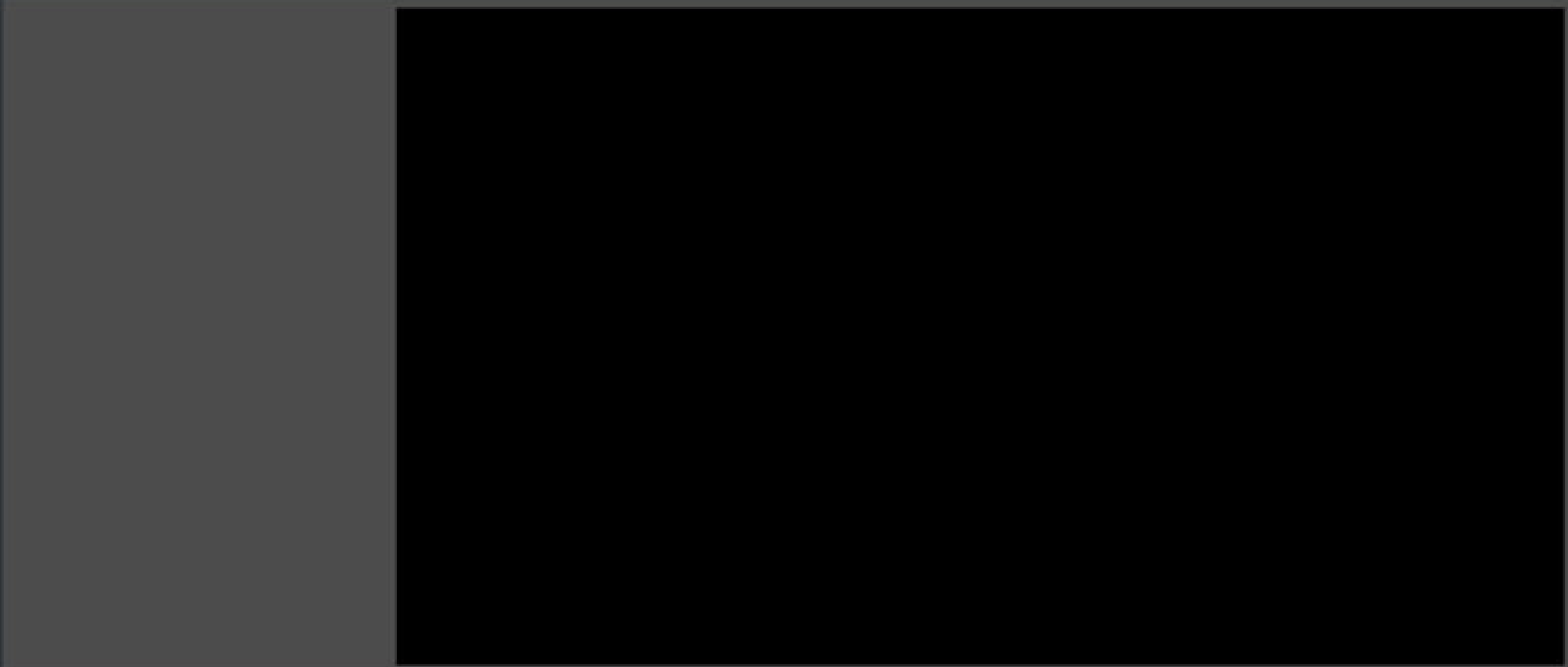
macOS 10.11+

Linux

Free and open source software for video recording and live streaming.

Download and start streaming quickly and easily on Windows, Mac or Linux.





Scenes

Scene

+ - ^ v

Sources

+ - ⚙ ^ v

Mixer

Mic/Aux 0.0 dB

Desktop Audio 0.0 dB

Scene Transitions

Fade

Duration 300ms

Start Streaming

Start Recording

Studio Mode

Settings

Exit

The image shows a software interface with a dark theme, divided into three main sections: **Scenes**, **Sources**, and **Mixer**.

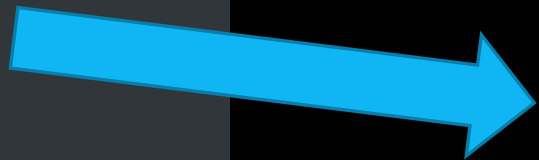
- Scenes:** Located on the left, it has a header "Scenes" and a sub-header "Scene". The main area is currently empty. At the bottom, there are control icons: a plus sign (+), a minus sign (-), and two arrows (up and down).
- Sources:** Located in the middle, it has a header "Sources". The main area is currently empty. At the bottom, there are control icons: a plus sign (+), a minus sign (-), a gear icon, and two arrows (up and down).
- Mixer:** Located on the right, it has a header "Mixer" with a gear icon. It contains two audio channels:
 - Mic/Aux:** The top channel, featuring a blue horizontal bar representing a level or volume.
 - Desktop Audio:** The bottom channel, also featuring a blue horizontal bar representing a level or volume.

Scenes

Scene

- Audio Capture Device (ALSA)
- Audio Input Capture (PulseAudio)
- Audio Output Capture (PulseAudio)
- Color Source
- Image
- Image Slide Show
- JACK Input Client
- Media Source
- Scene
- Screen Capture (XSHM)
- Text (FreeType 2)
- Video Capture Device (V4L2)
- Window Capture (Xcomposite)

+ - ^ v



Create/Select Source ? v ^ x

Create new

Screen Capture (XSHM)

Add Existing

Make source visible

✓ OK ⌫ Cancel

Mixer

Mic/Aux



Properties for 'Screen Capture (XSHM)'



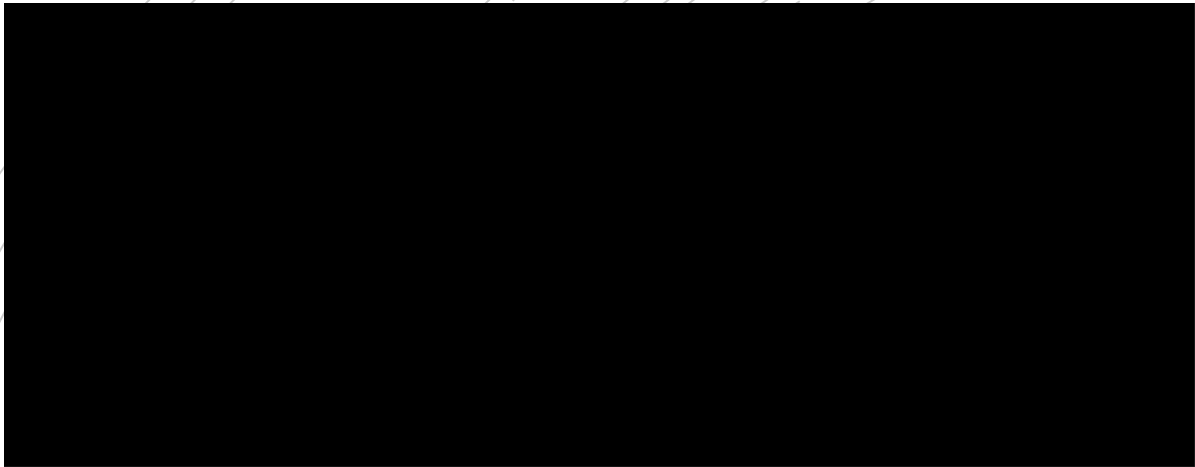
Screen Screen 0 (1920x1080 @ 0,0)

- Capture Cursor
- Advanced Settings

OK

Cancel

LIVE: 00:00:00 REC: 00:00:00 CPU: 4.2% 20.00 fps



0.0 dB

0.0 dB

Scene Transitions

Fade

+

Duration 300ms

- Start Streaming
- Start Recording
- Studio Mode
- Settings
- Exit

Settings

Output Mode

Streaming

Video Bitrate

Encoder

Audio Bitrate

Enable Advanced Encoder Settings

Recording

Recording Path

Generate File Name without Space

Recording Quality

Recording Format

Custom Muxer Settings

Enable Replay Buffer

General

Stream

Output

Audio

Video

Hotkeys

Advanced

✓ OK ✓ Apply ⌂ Cancel



Scene Transitions

0.0 dB

0.0 dB

0.0 dB

Fade

+

Duration 300ms

Start Streaming

Start Recording

Studio Mode

Settings

Exit

LIVE: 00:00:00

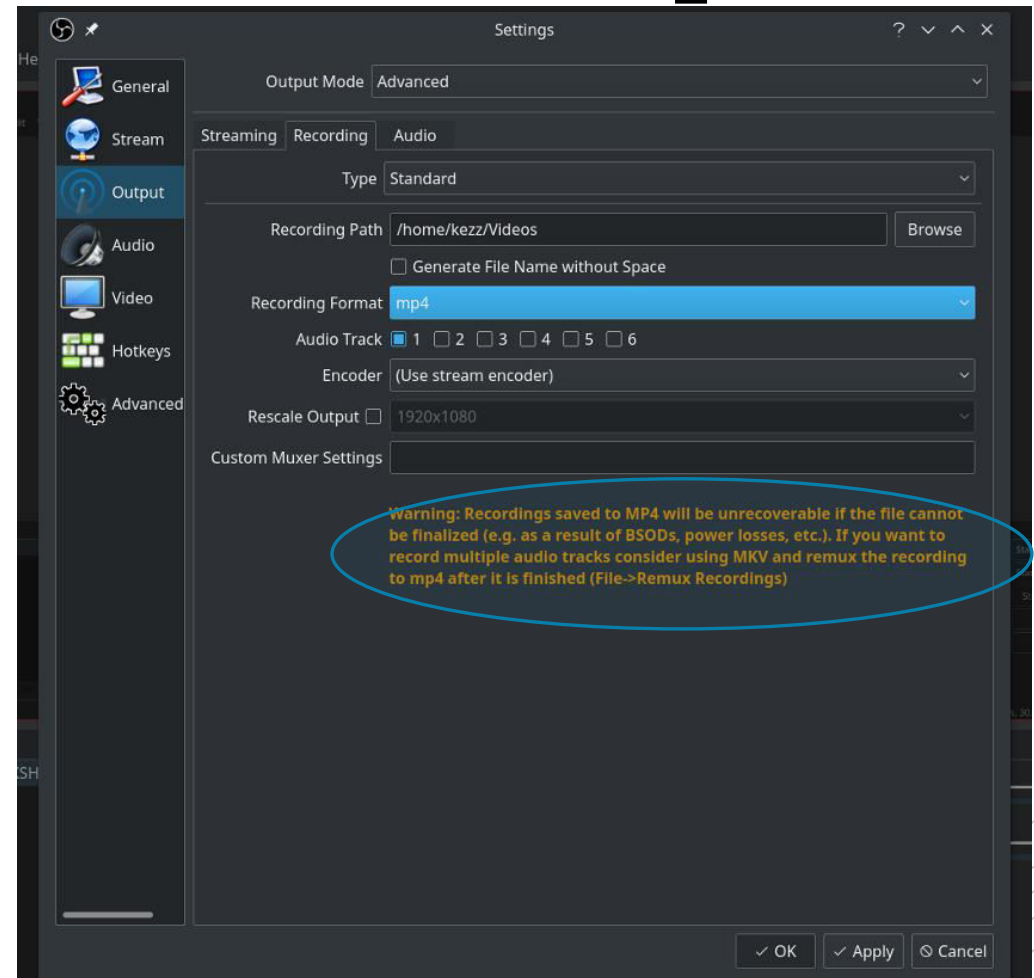
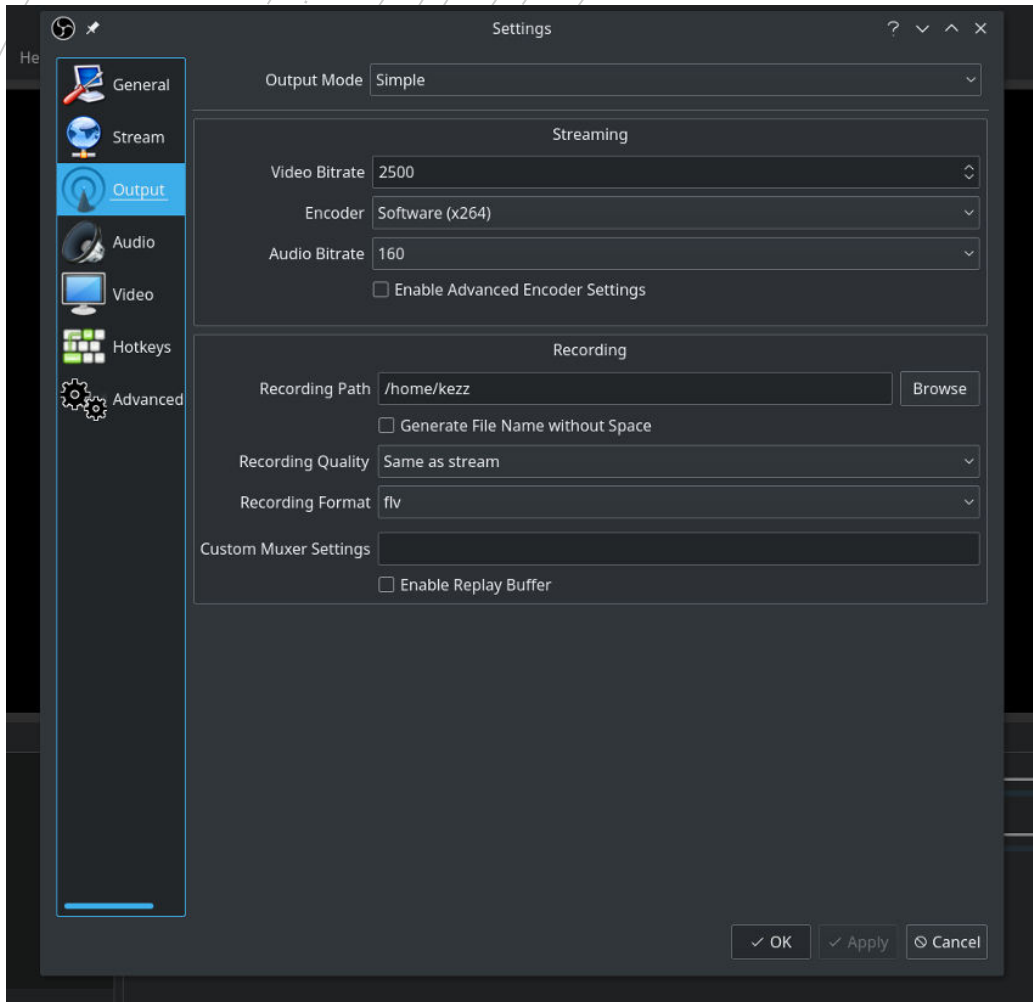
REC: 00:00:00

CPU: 1.3%, 30.00 fps

This screenshot shows the top portion of the OBS Studio interface. On the left, there are two audio source meters, each with a volume knob and a speaker icon, both showing 0.0 dB. To the right of these meters is a 'Scene Transitions' panel with a dropdown menu set to 'Fade', a plus sign, and a 'Duration' of 300ms. Below these are five buttons: 'Start Streaming', 'Stop Recording' (highlighted in blue), 'Studio Mode', 'Settings', and 'Exit'. At the bottom of this panel, a status bar displays 'LIVE: 00:00:00', 'REC: 00:00:05', and 'CPU: 12.6%, 30.00 fps'. A red box highlights the 'Stop Recording' button and the status bar.

This screenshot shows the bottom portion of the OBS Studio interface, which is a duplicate of the top portion. It features the same audio meters, 'Scene Transitions' panel with 'Fade' and '300ms' duration, and the same set of control buttons. The status bar at the bottom also displays 'LIVE: 00:00:00', 'REC: 00:00:05', and 'CPU: 12.6%, 30.00 fps'.

Advance output mode



Optimalno podešavanje

Kvalitet i stabilnost snimka!!!!

