SVC Test Streams

Start testing SVC (Scalable Video Coding) equipment

Source: NASA

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Product information

Product

☑ Video material
☐ Software
☐ Hardware [(1)]

Applications

☑ Interoperability tests for AVC Set-Top Boxes
☑ Test of SVC Set-Top Boxes
☑ Test of SVC software decoders
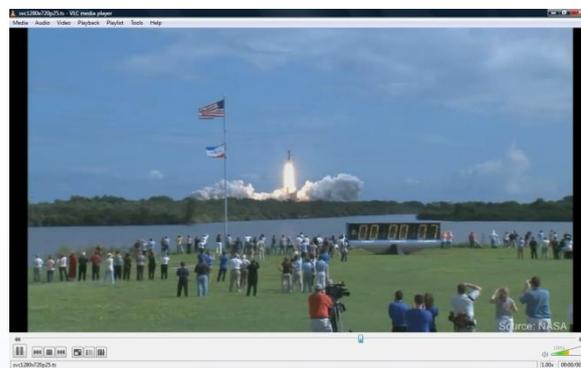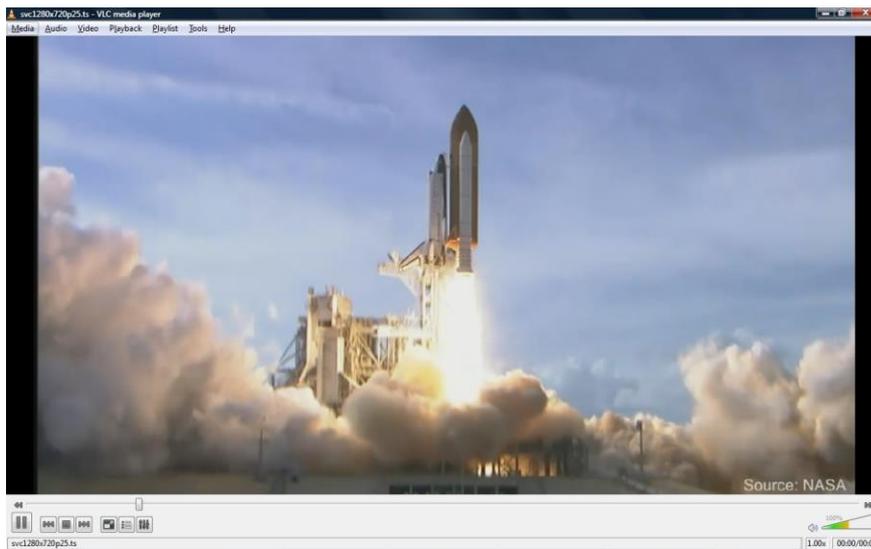☑ SVC STBs/decoders benchmarking
☑ SVC decoder R&D

Video files formats

☑ ES (.264)
☑ MPEG-2 TS (.ts)
☑ MPEG-4 (.mp4)

Available formats

☑ 704x576i50
☑ 720x576i50
☑ 1280x720p25
☑ 1280x720p50
☑ 1920x1080i50
☑ 1920x1080p25
☑ 1920x1080p50
☑ other: upon request [(1)]

[(1)] If you need a particular format, just ask us

Scalable Video Coding (SVC) is a great improvement of H.264 encoding which enables to decompose a video into several layers (one base layer and enhancement layers), to target different devices (mobile, SDTV, HDTV...) and/or different types of end-users (indoor, outdoor, in car, pedestrian, etc.).

AccepTV proposes a set of SVC Test Streams.

Each test stream is available in several formats: .264 (Elementary Stream), .ts (MPEG-2 Transport Stream) and .mp4 (MPEG-4 container).

These streams enable to test the functionalities of SVC decoders or Set-Top Boxes. But these streams also permit to perform interoperability tests of H.264/AVC decoders (or Set-Top Boxes) since decoders should normally be able to decode the base layer.

Indeed, SVC is an extension of the H.264 standard and any standard-compliant AVC Set-Top Box or decoder should be able to decode at least the base layer.

Each stream's duration is about 2 minutes.

The original video footage (representing rockets taking off) is provided courtesy of NASA (as required by their licenses, the NASA name is displayed in a corner of the image).

Some streams only contain 1 layer (base layer).

Some other streams contain 1 base layer and 1 enhancement layer.

The streams cover the following formats:
- 704x576i50
- 704x576i50 + 1280x720p25
- 704x576i50 + 1280x720p50
- 720x576i50
- 720x576i50 + 1280x720p25
- 720x576i50 + 1280x720p50
- 1280x720p25
- 1280x720p50
- 1280x720p25 + 1920x1080p25
- 1920x1080i50
- 1920x1080i50 + 1920x1080p50

Bitrates range from 491 kbps (157 kbps when temporal scalability is enabled) to 2051 kbps.

Take the lead in H.264 technology

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AccepTV

Perceived Video Quality Metrics