

Exhibit A1 – U.S. Patent No. 8,934,535 (“’535 Patent”)

Accused Instrumentality: Sling’s and Dish Network’s video streaming / TV products and services that perform core services, e.g., Sling TV App “A LA CARTE TV”, Sling Orange, Sling Blue TV, Orange+Sling Blue services, Slingbox services but not limited to, e.g., Slingbox 500, Slingbox M2, Slingbox M1, Slingbox 350, Slingbox 700u, Slingbox PRO-HD Adapter, Hopper3, Hopper with Sling, HopperGO, DISH Anywhere app, 4K Joey, Wired Joey, Wireless Joey, Super HD, 722k, DISH TV services, and all versions and variations thereof since the issuance of the asserted patent.

Issued Claims	Public Documentation
<p>1. A method, comprising: determining a parameter or attribute of at least a portion of a data block having audio or video data;</p>	<p>The Accused Instrumentality performs a method comprising determining an attribute of at least a portion of a data block having audio or video data.</p> <p>For example, the Accused Instrumentalities utilize H.264 standard.</p> <p><small>That’s hugely misleading. OTA broadcasts use MPEG-2, which is far less efficient than H.264. H.264 needs far less data than MPEG-2 to deliver similar quality.</small></p> <p>https://www.reddit.com/r/slingtv/comments/2ynmxx/what_resolutions</p> <p>For example, Slingbox set-top boxes include H.264 encoder.</p> <p>Hardware <small>[edit]</small></p> <p><small>The traditional Slingbox embeds a video encoding chip to do real-time encoding of a video and audio stream into the SMPTE 421M format, which is not supported by the Internet via the ASF streaming format. Later Slingboxes also support Apple’s HTTP Live Streaming,^[6] which requires support for H.264.</small></p> <p>https://en.wikipedia.org/wiki/Slingbox</p> <p>Moreover, Slingbox set-top boxes receive uncompressed video input from the camera and encode before recording or transmitting the received video to the receiver.</p>

Supported audio-video and storage sources

Connect to any of the following high-definition video sources to 1080p:

- Digital cable set-top box
- Satellite receiver
- Digital video recorder (DVR)
- DVD or Blu-ray Disc™ player/recorder
- Video security camera

<http://www.slingbox.com/Products/Slingbox500/Specifications.aspx>



<http://www.slingbox.com/Products/Slingbox500/Specifications.aspx>

Issued Claims

Public Documentation

Yes it captures and decrypts the Slingbox encoded digital output. You have control over the video and audio and some other basic parameters. For the newer Slingboxes the video is H.264. Here is a sample capture:

Code:

```
General
Complete name      : H:\scratch\record_1080i.asf
Format             : Windows Media
File size          : 6.36 MiB
Maximum Overall bit rate : 5 120 Kbps
Movie name         : Slingbox
Performer          : Sling Media
Comment           : 1

Video
ID                 : 2
Format            : AVC
Format/Info       : Advanced Video Codec
Codec ID          : h264
Width             : 1 920 pixels
Height            : 544 pixels
Display aspect ratio : 3.529
Color space       : YUV
Chroma subsampling : 4:2:0
Bit depth         : 8 bits

Audio
ID                 : 1
Format            : 706D
Format/Info       : 706D
Codec ID          : 256
Bit rate         : 256 Kbps
Channel(s)       : 2 channels
Sampling rate     : 32.0 KHz
Bit depth         : 16 bits
```

<https://www.tivocommunity.com/community/index.php?threads/capture-video.504853/>

Las Vegas, Nev., USA – Jan. 6, 2010 – Sling Media, Inc., a wholly owned subsidiary of EchoStar Corporation (NASDAQ: SATS), today announced a collaboration with Adobe to support the Adobe Flash Platform. As part of the alliance, Sling Media will support the Adobe Flash Player and Flash streaming protocols in the Slingbox. This partnership will enable Slingbox to deliver smooth H.264 video and audio to its award-winning Slingbox. For more information, visit http://www.slingbox.com/en/PressRoom/PressReleases/io_126273044

Issued Claims	Public Documentation
	<p>The Slingbox 700U's small size only hints at the technology inside. Not much it sports a striking industrial design. It is powered solely by its USB connector need for any other wires or connectors. In real time, the Slingbox 700U takes stream from the set-top box, transcodes it and passes it back to the set-top streams the video over the Internet to the SlingPlayer on compatible devices</p> <p>http://hk.slingbox.com/get/slingbox-700u.html</p> <p>Video Transcoding MPEG-2/H.264 (SD and HD) to H.264 (SD and HD) MPEG-2/H.264 (SD and HD) to VC1 (SD)</p> <p>http://hk.slingbox.com/get/slingbox-700u.html</p> <p>As another example, the Accused Instrumentalities utilize adaptive bitrate functionality, such as, e.g., MPEG-DASH, HLS, etc. For example, For example, different bit rates / techniques are chosen based on, e.g., bandwidth.</p> <p>The enhanced DISH Remote Access app improves on-device video quality, part of the Retina display, with the implementation of Apple's HTTP live streaming (HLS) technology. For simple on-screen browsing that provides a responsive entertainment experience.</p> <p>https://www.google.com/url?sa=t&rect=j&q=&estrc=s&source=web&cd=1&vq=XBzVQKHV0EA3MQFggpMAA&url=http%3A%2F%2Fabout.dish.com%2Fabout-dish-app-for-apple-tv-technology-with-enhanced-app-for-ipad%3FasPDF%3D1&usq=AOvVaw1ezKmgS2xErRTUz3ctaIII</p> <p>ISO/IEC 23009-1, Dynamic adaptive streaming over HTTP (DASH) (2011)</p>

ISO/IEC 23009-1:2014(E)

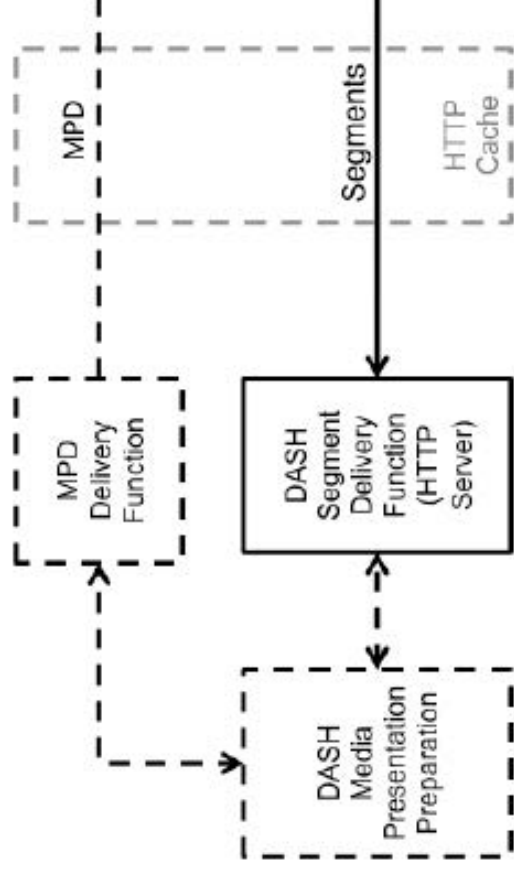


Figure 1 — Example system for DASH formats

<https://tools.ietf.org/html/draft-pantos-http-live-streaming-23>

Internet-Draft

HTTP Live Streaming

1. Introduction to HTTP Live Streaming

HTTP Live Streaming provides a reliable, cost-effective delivering continuous and long-form video over the network conditions in order to maintain uninterrupted best possible quality. It supports interstitial content. It provides a flexible framework for media encryption. It efficiently offer multiple renditions of the same content in different bit rates. It offers compatibility with large caching infrastructure to support delivery to large

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