

Hap Content Converter

Hap is a video codec for fast decompression on modern graphics hardware.

The Hap codec project is open-source, licensed under a <u>FreeBSD License</u>. This project was originally written by <u>Tom</u> <u>Butterworth</u> and commissioned by <u>VIDVOX</u>, 2012.

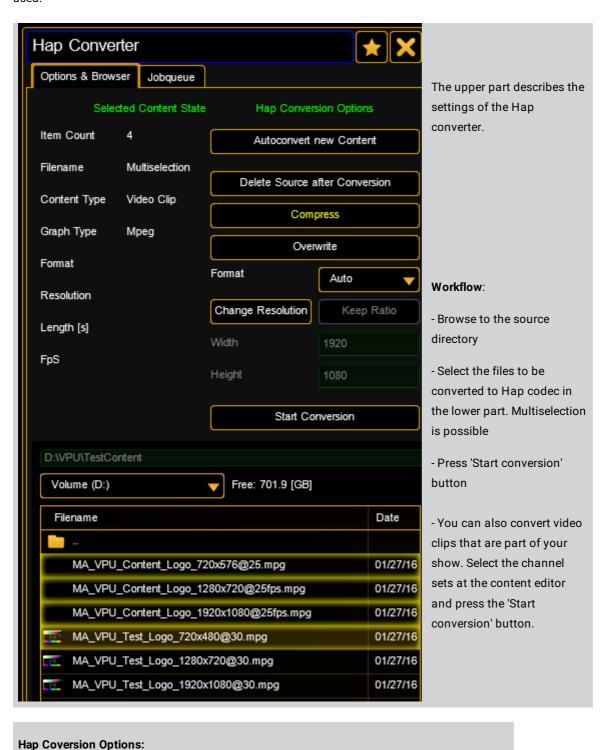
Instead of using the CPU to decode video frames, Hap passes compressed image data directly to the graphics card to perform hardware accelerated decompression of movies during playback. By shifting this burden from your CPU to the GPU, Hap makes it both possible to use more movies and work at higher resolutions than typical CPU-bound codecs.

There are three different Hap codecs to choose from:

- -Hap 1 offers the lowest data rates for playing back the most clips at a time
- Hap Alpha is similar to Hap 1 with support for transparency
- Hap Q offers improved image quality at a higher data rate



VPU offers the possibility to convert content directly from many formats to Hap. Therefore the build in 'Hap Converter' is used:







If new content is added it always will be converted into Hap codec.



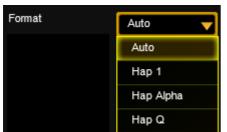
Compress the Hap format internal with dynamic bit rate. If compress is 'off' you get a constant bit rate but larger files.

The source files will be deleted after the successfully conversion into Hap format.

Overwrite

Overwrites an already existing item

Select the codec type:



- Auto converts a non Hap clip to Hap 1. If a Hap clip inside an avi-container is selected, the format of the Hap clip (e.g. Hap Q) will maintained unchanged.
- **Hap 1** offers the lowest data rates for playing back the most clips at a time
- **-Hap Alpha** is similar to Hap with support for transparency
- $\mbox{\bf Hap}~\mbox{\bf Q}~$ offers improved image quality at a higher data rate



Start Conversion

You can change the resolution of the converted video. To keep the aspect ratio select the 'Keep Ratio' button and enter either the width or height.

Note: Be aware that if you have changed the

resolution the original cannot be restored!

By pressing this button the selected files are copied into the Jobque and the conversion process starts.

Hap Converter Jobque:



