

Comparison between codecs:

The first difference we can appreciate between codecs is the time every codec needs to encode a video.

The one that needs more time is AV1, followed by VP9, the next in speed is h265 and the fastest is VP8.

In visualization quality, I cannot perceive difference between VP8 and VP9, but there is a better visualization in videos encoded with h265 and AV1.

In the case of the merged video, we cannot compare the bitrates used in every codec of the individual videos because this video has its own bitrate.