VIDEO CODECS FOR COVR

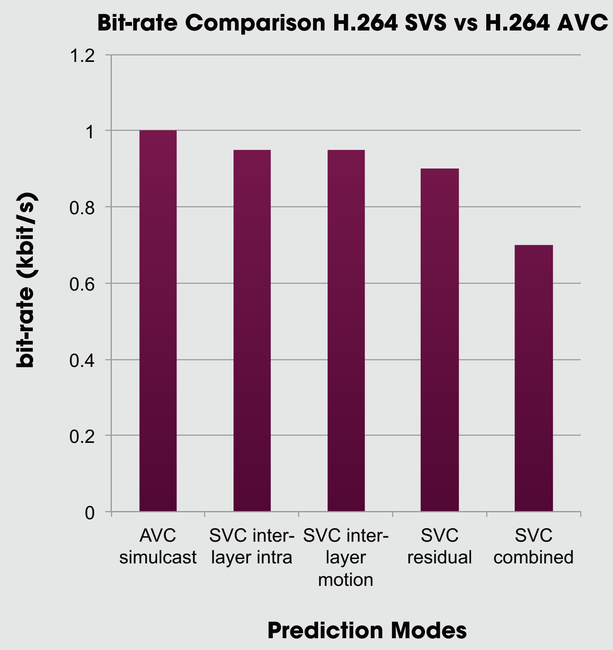
SVC
Scalable Video Codec

TARGET APPLICATION

Broadcast the same content to heterogeneous devices with different bandwidth and display sizes e.g. to a cell phone, laptop and desktop PC

MAIN FEATURES

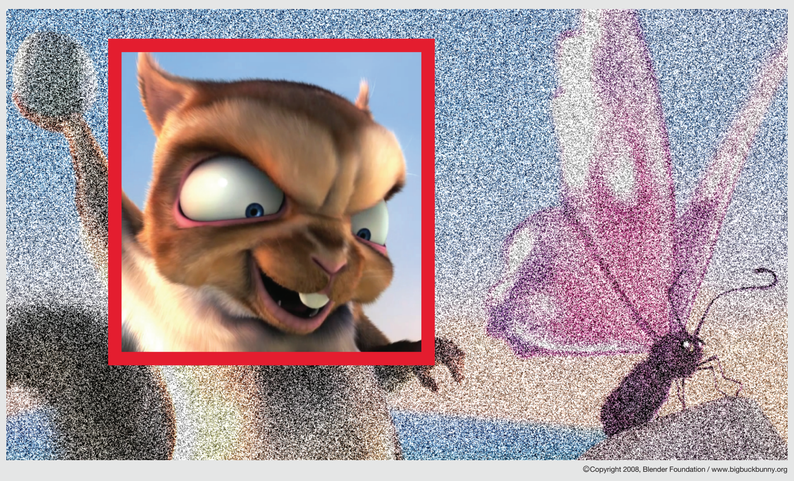
- Inter-layer intra prediction
- Inter-layer motion prediction
- Inter-layer residual prediction



ROI
Region of Interest Encoding

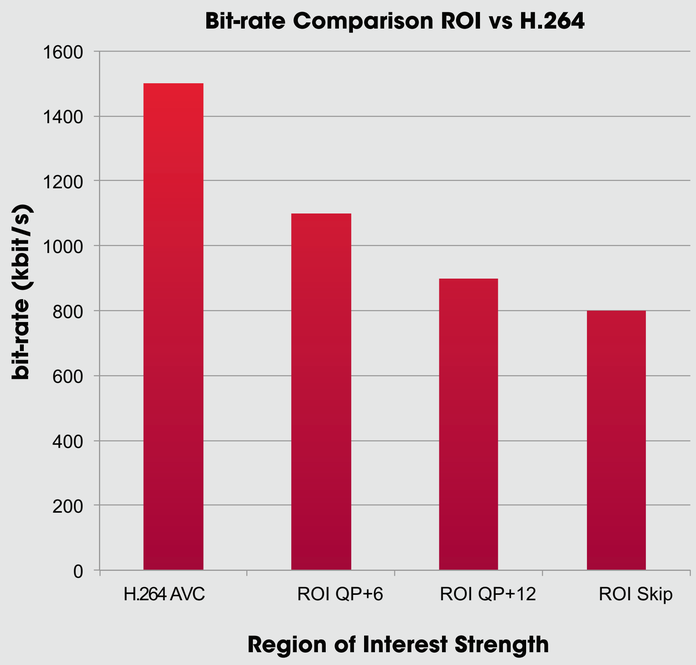
TARGET APPLICATION

To gain additional bandwidth for the things you care about most, e.g. faces in a video conference setting, increase the background compression



MAIN FEATURES

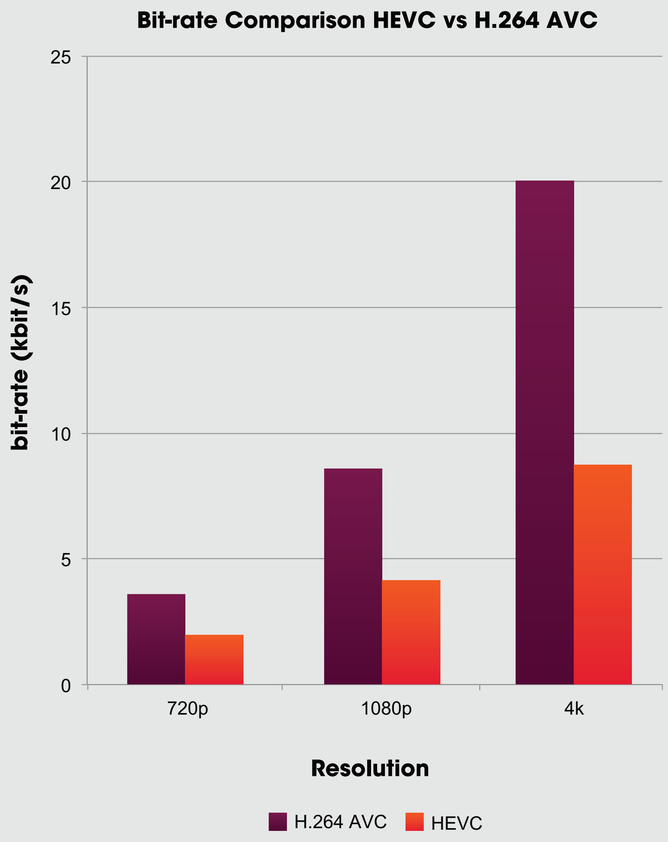
- Face detection by IENT, RWTH Aachen University
- Variable compression based on the level of viewers interest



HEVC
High Efficiency Video Codec

TARGET APPLICATION

Next generation video codec to replace current state-of-the-art H.264 AVC codec



MAIN FEATURES

- Macro blocks are now bigger and more flexible
- 35 modes for intra-prediction, up from 9 in H.264 AVC
- Motion prediction using neighboring predictors, temporal predictors and possibly zero predictors
- Higher degree of parallelization through Wavefront parallel processing and parallel CABAC

Acknowledgment: This work was co-funded by the German federal state North Rhine Westphalia (NRW) and the European Union (European Regional Development Fund: Investing In Your Future).

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