VP9 Decoder

Powered by original computing algorithm "DMNA" based on mathematical methods

1 Abstract

- VP9 is an open, royalty-free video compression codec developed by Google.
- YouTube uses VP9, which is half the bandwidth used by common codecs and can play 4K (2160P) in addition to HDTV.

2 Specification

- Profile: profile 0
- Input format: VP9 bitstream
- Output format: YCbCr4:2:0 8bit Planar format
- Resolution: Supports up to 4096x2176 30p
- API I/F: Supports common API for VP codecs (VP8, VP9)

VP9
DMNA

3 Features

- Using our original computer algorithm "DMNA", we have achieved high image quality, high speed, low power consumption, and low latency.
- As it supports the common API of VP codecs (VP8, VP9), it works by replacing the decoder.
- Optimized for Intel x86, ARM Cortex-A series (ARMv7, ARMv8).
- It can also be optimized with various processors.

4 Example for application
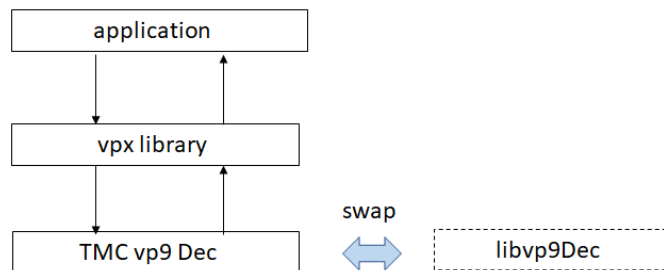
The application executes the decoding process by calling the vpx library （a common API for decoding VP codecs as vp8 and vp9）．

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