Media Player Software for Multiplatform

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

1 Outline

- This software provides solutions to replay files of various video contents.
- Realizes cost down with customizations meeting requirements by offering from the total solutions to modules such as demuxer and decoders.
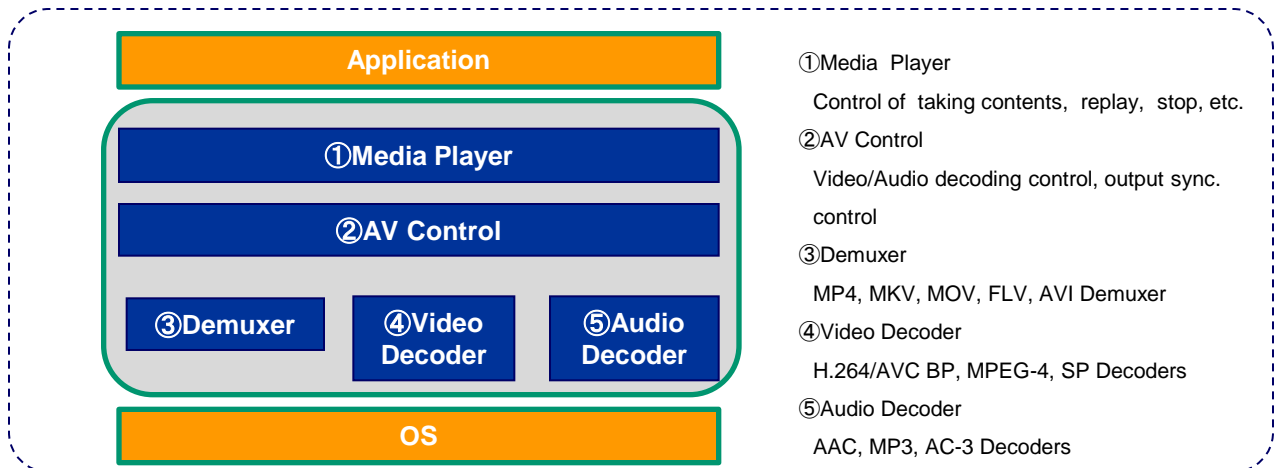
2 Functions & Supports

- Video format : MP4, MKV, MOV, FLV, AVI
- Video decoder : H.264/AVC BP, MPEG-4 SP
- Video output : RGB, YCbCr 4:2:0*
- Audio decoder : AAC-LC, MP3, AC-3
- Audio output : PCM
- Player : replay, stop, seek, fast forward, slow replay, reverse replay, step replay
  - *: Compatible with YCbCr/YUV

3 Features

- Provides media player as an all in one
- Mounts the well-established TMC's Video/Audio decoders
- High processing speed and low CPU load thanks to effective numerical computation
- High portability by the optimization with standard C code
- Enables to optimize for various processors and platforms (ARM, MIPS, SH, DSP etc.)

4 Media Player Software Architecture

Application
①Media Player
②AV Control
③Demuxer	④Video Decoder	⑤Audio Decoder
OS

①Media Player
　Control of taking contents, replay, stop, etc.
②AV Control
　Video/Audio decoding control, output sync. control
③Demuxer
　MP4, MKV, MOV, FLV, AVI Demuxer
④Video Decoder
　H.264/AVC BP, MPEG-4, SP Decoders
⑤Audio Decoder
　AAC, MP3, AC-3 Decoders

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