Full-Segment Media Engine Software

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

1 Abstract

- This software provides a solution for full-seg broadcasting (ARIB TR B14).
- From total solutions for full-segment broadcasting reception to the provision of modules such as de-multiplexer and decoders, we contribute to the realization of cost reduction through combinations that meet your needs.
- Support for subtitles, program listings, and data broadcasting is also possible.

2 Specification

- De-multiplexer :MPEG-2 TS packet data (ARIB TR B14)
- Video decoder :MPEG-2 Video (for Full-Segment), H.264/AVC (for One-Segment)
- Video output :RGB, YCbCr 4:2:0*, etc.
- Audio decoder :AAC-LC
- Audio output :PCM
   *Compatible with YCbCr/YUV

> **TMC's DMNA dramatically reduces the number of operations and the amount of processing, resulting in high image quality, high sound quality, high speed, and low power consumption.**

3 Feature

- Full-segment video and audio solutions can be provided as a package.
- By combining with TMC's One-Segment media engine, seamless switching between Full- Segment and One-Segment can be supported.
- Proven and trusted TMC video and audio decoder is installed.
- High processing speed and low CPU load thanks to effective numerical calculations.
- High portability thanks to optimization in standard C code
- Optimized for various processors and system platforms (ARM, MIPS, SH, DSP etc.)
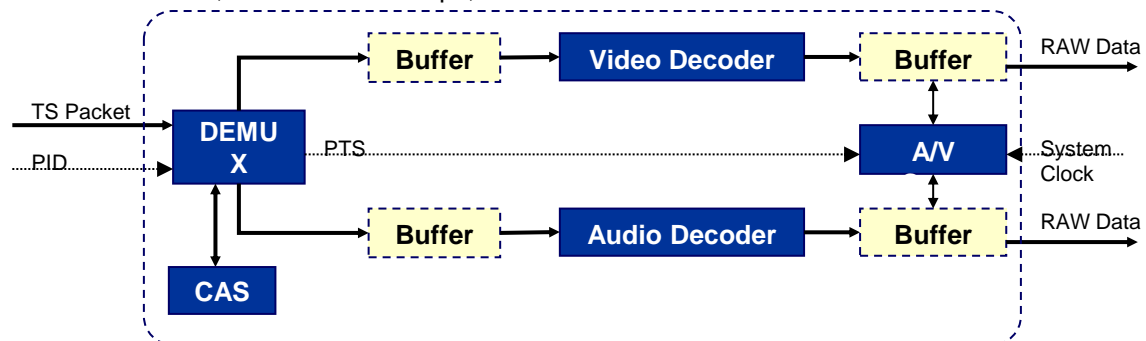
FullSeg DMNA

4 Performance

Full-segment solution can be realized without adding the dedicated hardware for video / audio processing.

< Example of system requirements >

CPU:Intel Core-i5, Video:Full HD 30fps, Audio:AAC-LC 24kHz

Contact Information

7F, Gotanda NN Bldg., 2-12-19, Nishi-gotanda, Shinagawa-ku, Tokyo 141-0031

Techno Mathematical Co., Ltd.

TEL: +81-3-3492-3633   FAX: +81-3-3492-3631

Email: info-sales@tmath.co.jp   URL: https://www.tmath.co.jp