MPEG-2 Main Profile
Encoder/Decoder Software

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

1 Abstract

- MPEG-2 Video (a highly efficient image compression standardized in ISO/IEC 13818-2) compliant software.
- MPEG-2 can be used for a variety of applications, including high-definition image processing for digital broadcasting, digital video cameras, and HD network video delivery systems.
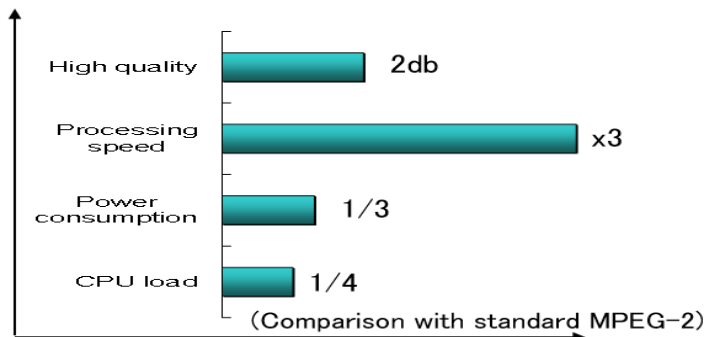
2 Specification

- Compliant with MPEG-2 Video
- Compressed format: MPEG-2(ISO/IEC 13818-2)
- Video format: YCbCr4:2:0 progressive / Interlace format
- Resolution: Supports up to 1920x1080

MPEG-2
DMNA

3 Features

- Using TMC's proprietary computer algorithm "DMNA", TMC has achieved high image quality, high speed, small size and low power consumption.
- High image quality (smooth motion, high PSNR) and large screen high speed operation (3 times faster than conventional systems) can be achieved.
- MPEG-2 software can be implemented in various processors, and libraries for ARM and other processors can be provided.
- The simple API interface makes it easy to embed, contributing to a shorter development time.

4 Performance

High quality	2db
Processing speed	x3
Power consumption	1/3
CPU load	1/4

(Comparison with standard MPEG-2)

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