VdecWmv

WMV Video Decoder

Introduction

The VdecWMV component decodes bitstreams encoded in simple and main profile. The decoder is optimized to handle bitstreams on the 32-bit TriMedia processors.

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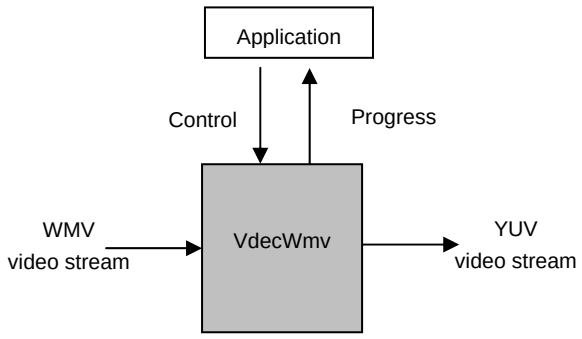

General information

The VdecWmv component is designed for use in systems that decode WMV Video simple and main profile format streams.

VdecWmv accepts video elementary streams as input. It outputs a YUV video stream. The library is optimized for TM3260 based TriMedia processors.

Documentation

VdecWmv API user documentation describing the API is not available with this release of the MPTK package.

Key Features

- DVP compliant,
- Supports WMV7, WMV8 and WMV9,
- Optimized for TM3260 based processors (PNX1500),
- Provides deblocking algorithm,
- Provides deringing algorithm.

Key Applications

- Portable media players
- Digital media adapters
- Home entertainment systems

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Technical Information

Stream	Simple	Main
Format	Simple profile	Main Profile
Bit rate	485Kbps	2000Kbps
Resolution	352 x 288	640 x 480
Picture rate	25	29.97
Peak avg4	120	282
Application	WmtPlayer	WmtPlayer

Memory

The environment is a pnx1500, CPU running at 300 Mhz, memory at 200 Mhz.

Dynamic Memory Usage

Stream	1030_MobileAndCalendar_wmv9_AP1_720x576_25fps.wmv	0001_PAL4x3_wmv9_AP0_352x288_25fps.wmv
Resolution	352 x 288	720 x 576
Picture rate	25	25
Application	WmtPlayer	WmtPlayer
Dynamic	2.63 Mb	6.54 Mb

Static Memory Usage

Memory Type	pnx1500 (bytes)
Static memory	133204
Text memory	1974438

Other Information

Supported processors – pnx1500

Built with compiler version – TCS v4.5.1

Example Programs

This library is shipped with an example program, exWmt, that demonstrates the use of the component. The exWmt program demonstrates its use in a complete player.

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