MPEG4 Encoder
Version 02.04

Release Notes

May 2009

Build ID: 02.04.00.00

This release implements MPEG4 Simple Profile Encoder on OMAP3530. The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues

New In This Release

- Fixed bugs: SDOCM00066345, SDOCM00066096, SDOCM00057143, and SDOCM00054633

Validation Information

Release Configuration	Description	Validation Platform
OMAP3530_SP_001	MPEG4 Simple Profile Encoder on OMAP3530	OMAP3530 EVM [Datasheet] [User Guide]

This release is validated on the following:

- OMAP3530 EVM
    - Framework Component (FC) version 2.20.00.15
    - DSP/BIOS^{TM} version 5.32.02
    - Code Generation Tool version 6.0.14

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00066345	MPEG 4 Encoder: fcode does not function as expected when it is set above 4	OMAP3530_SP_001
SDOCM00066096	Mpeg4 Encoder: user guide update Create time and Dynamic params names are different in userguide and interface file.	OMAP3530_SP_001
SDOCM00057143	UG should mention that encodingPreset = XDM_DEFAULT should not be used for extended params	OMAP3530_SP_001
SDOCM00054633	H.263 bitstreams with UMV enabled give visual artifacts for some sequences.	OMAP3530_SP_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00052352	Scene change detection not supported – results in visual artifacts for some streams at lower bit rate (CIF at 256 kbps)	OMAP3530_SP_001
SDOCM00026347	VBV underflow/overflow error reported by Vprove for MPEG4 encoded streams	OMAP3530_SP_001
SDOCM00052474	Rate control issue - I frame is encoded with lower quality resulting in poorer quality P frames - visible breathing artifacts seen due to this	OMAP3530_SP_001
SDOCM00025676	Encoding with H.263 mode ON and RC enabled gives visual artifacts.	OMAP3530_SP_001
SDOCM00026327	Blockiness when encoding flat area - like sky	OMAP3530_SP_001
SDOCM00049598	H.263+ not supported as a result incorrect frame rate and time stamps are observed	OMAP3530_SP_001

TEXAS INSTRUMENTS

MPEG4 Encoder
Version 2.01

Release Notes

July 2009

Build ID: 2.01.008

This release implements MPEG4 Simple Profile Encoder on OMAP3530. The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues

New In This Release

- Bug fix release

Validation Information

Release Configuration	Description	Validation Platform
OMAP3530_SP_001	MPEG4 Simple Profile Encoder on OMAP3530	OMAP3530 EVM [Datasheet] [User Guide]

This release is validated on the following:

- OMAP3530 EVM
    - Framework Component (FC) version 2.20.00.15
    - DSP/BIOS™ version 5.32.02
    - Code Generation Tool version 6.0.14

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00060412	Cleanup Test files for MPEG4 Video Encoder	OMAP3530_SP_001
SDOCM00060537	Version number given out by the library is not correct	OMAP3530_SP_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00052352	Scene change detection not supported – results in visual artifacts for some streams at lower bit rate (CIF at 256 kbps)	OMAP3530_SP_001
SDOCM00026347	VBV underflow/overflow error reported by Vprove for MPEG4 encoded streams	OMAP3530_SP_001
SDOCM00052474	Rate control issue - I frame is encoded with lower quality resulting in poorer quality P frames - visible breathing artifacts seen due to this	OMAP3530_SP_001
SDOCM00025676	Encoding with H.263 mode ON and RC enabled gives visual artifacts.	OMAP3530_SP_001
SDOCM00026327	Blockiness when encoding flat area - like sky	OMAP3530_SP_001
SDOCM00049598	H.263+ not supported as a result incorrect frame rate and time stamps are observed	OMAP3530_SP_001