MPEG4 Encoder
Version 02.02.04

Release Notes

October 2009

Build ID: 02.02.04.00

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 bug: SDOCM00062791.

Validation Information

Release Configuration	Description	Validation Platform
DM6446_SP_001	MPEG4 Simple Profile Encoder on C64x+ based platform	DM6446 EVM [Datasheet][User Guide]

This release is validated on the following:

- DM6446 EVM
    - Framework Component (FC) version 2.20.01
    - DSP/BIOS™ version 5.31.08
    - Code Generation Tool version 6.0.14

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00062791	MPEG4 Encoder Does not work when max Resolution set is not the same as input resolution	DM6446_SP_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00025676	For low bit rates and for few streams, encoding with H.263 mode ON and RC enabled gives poor visual quality..	DM6446_SP_001
SDOCM00026327	Blockiness is seen when encoding flat areas for low bit rate encoding.	DM6446_SP_001
SDOCM00052474	Breathing artifacts seen for few streams - this is due to lower I frame quality.	DM6446_SP_001
SDOCM00026347	For few Streams, VBV underflow / overflow error reported by Vprove for MPEG4 encoded streams	DM6446_SP_001

MPEG4 Encoder
Version 02.02.03

Release Notes

October 2009

Build ID: 02.02.03.00

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: SDOCM00062575, and SDOCM00062513.

Validation Information

Release Configuration	Description	Validation Platform
DM6446_SP_001	MPEG4 Simple Profile Encoder on C64x+ based platform	DM6446 EVM [Datasheet][User Guide]

This release is validated on the following:

- DM6446 EVM
    - Framework Component (FC) version 2.20.01
    - DSP/BIOS^{TM} version 5.31.08
    - Code Generation Tool version 6.0.14

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00062575	minOutBufSize[0] Outbuf size requested by codec is less than the real required one for the encode process	DM6446_SP_001
SDOCM00062513	MPEG4 Encoder Makes the system to hang. Missing Alignment of MPEG4ENC.codeSection in link.xdt	DM6446_SP_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00025676	For low bit rates and for few streams, encoding with H.263 mode ON and RC enabled gives poor visual quality..	DM6446_SP_001
SDOCM00026327	Blockiness is seen when encoding flat areas for low bit rate encoding.	DM6446_SP_001
SDOCM00052474	Breathing artifacts seen for few streams - this is due to lower I frame quality.	DM6446_SP_001
SDOCM00026347	For few Streams, VBV underflow / overflow error reported by Vprove for MPEG4 encoded streams	DM6446_SP_001

MPEG4 Encoder
Version 02.02.00

Release Notes

May 2009

Build ID: 02.02.00.01

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

- Supports XDM 1.0
- Supports the scene change detection algorithm

Validation Information

Release Configuration	Description	Validation Platform
DM6446_SP_001	MPEG4 Simple Profile Encoder on C64x+ based platform	DM6446 EVM [Datasheet][User Guide]

This release is validated on the following:

- DM6446 EVM

  - Framework Component (FC) version 2.20.01
  - DSP/BIOS^{TM} version 5.31.08
  - Code Generation Tool version 6.0.14

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00056922	Test application builds with warnings	DM6446_SP_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00025676	For low bit rates and for few streams, encoding with H.263 mode ON and RC enabled gives poor visual quality..	DM6446_SP_001
SDOCM00026327	Blockiness is seen when encoding flat areas for low bit rate encoding.	DM6446_SP_001
SDOCM00052474	Breathing artifacts seen for few streams - this is due to lower I frame quality.	DM6446_SP_001
SDOCM00026347	For few Streams, VBV underflow / overflow error reported by Vprove for MPEG4 encoded streams	DM6446_SP_001

TEXAS INSTRUMENTS