

HDVICP2.0/IVA-HD API Library

Version 01.00.00

Release Notes

June 2013

Build ID: 01.00.00.23

The release note is divided into the following sections:

- [New In This Release](#)
- [Release contents](#)
- [Validation Information](#)
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New In This Release

- MISRA C compliance added

Release contents

- IVA-HD L0 & L1 API library (both ARM and Thumb mode versions)
- IVA-HD Host API library (built for Cortex-M3)
- IVA-HD L0 & L1 API source code
- RTSC package for Host (M3) API library
- IVA-HD L0 & L1 API user guide documentation
- Release notes

Validation Information

Release Configuration	Description	Validation Platform
HDVICP20_API_001	IVA-HD L0 & L1 APIs for MPEG-4, H.264 encoders and MPEG-4, MPEG-2, H.264, VC-1 decoders	IVA-HD simulator

This release is validated on the following:

- Code Composer Studio (CCSv4 Platinum) version 4.0.2.01003 : http://software-dl.ti.com/dsps/dsps_public_sw/sdo_ccstudio/CCSv4/CCS_4_0_2/exports/setup_CCS_4_Platinum.zip
- Code Generation Tool version 4.5.1 for HDVICP2 processor related APIs.



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- Code Generation Tool version 5.0.3 for Media Controller processor related APIs.
- IVAHD CSP (containing CSL) version 00.05.02.00
- IVA-HD simulator for CCSv4 : IVA-HD CSP v1.1.5 (a.k.a simulator version 5.0.16)

Fixed In This Release

- None

Known Issues

Defect ID	Description	Applicable Release Configuration
None	HDVICP2 API libraries are only sanity tested with limited number of test cases	HDVCIP20_API_001

HDVICP2.0/IVA-HD API Library

Version 01.00.00

Release Notes

February 2013

Build ID: 01.00.00.21

The release note is divided into the following sections:

- [New In This Release](#)
- [Release contents](#)
- [Validation Information](#)
- [Fixed In This Release](#)
- [Known Issues](#)

New In This Release

- Medial Controller (M3) API library is compiled with Code Generation tools v5.0.3

Release contents

- IVA-HD L0 & L1 API library (both ARM and Thumb mode versions)
- IVA-HD Host API library (built for Cortex-M3)
- IVA-HD L0 & L1 API source code
- RTSC package for Host (M3) API library
- IVA-HD L0 & L1 API user guide documentation
- Release notes

Validation Information

Release Configuration	Description	Validation Platform
HDVICP20_API_001	IVA-HD L0 & L1 APIs for MPEG-4, H.264 encoders and MPEG-4, MPEG-2, H.264, VC-1 decoders	IVA-HD simulator

This release is validated on the following:

- Code Composer Studio (CCSv4 Platinum) version 4.0.2.01003 : http://software-dl.ti.com/dsps/dsps_public_sw/sdo_ccstudio/CCSv4/CCS_4_0_2/exports/setup_CCS_4_Platinum.zip
- Code Generation Tool version 4.5.1 for HDVICP2 processor related APIs.



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- Code Generation Tool version 5.0.3 for Media Controller processor related APIs.
- IVAHD CSP (containing CSL) version 00.05.02.00
- IVA-HD simulator for CCSv4 : IVA-HD CSP v1.1.5 (a.k.a simulator version 5.0.16)

Fixed In This Release

- None

Known Issues

Defect ID	Description	Applicable Release Configuration
None	HDVICP2 API libraries are only sanity tested with limited number of test cases	HDVCIP20_API_001

HDVICP2.0/IVA-HD API Library

Version 01.00.00

Release Notes

January 2013

Build ID: 01.00.00.20

The release note is divided into the following sections:

- [New In This Release](#)
- [Release contents](#)
- [Validation Information](#)
- [Fixed In This Release](#)
- [Known Issues](#)

New In This Release

- Medial Controller (M3) API library is compiled with new Code Generation tools v5.0.2 to produce ELF compliant binaries.

Release contents

- IVA-HD L0 & L1 API library (both ARM and Thumb mode versions)
- IVA-HD Host API library (built for Cortex-M3)
- IVA-HD L0 & L1 API source code
- RTSC package for Host (M3) API library
- IVA-HD L0 & L1 API user guide documentation
- Release notes

Validation Information

Release Configuration	Description	Validation Platform
HDVICP20_API_001	IVA-HD L0 & L1 APIs for MPEG-4, H.264 encoders and MPEG-4, MPEG-2, H.264, VC-1 decoders	IVA-HD simulator

This release is validated on the following:

- Code Composer Studio (CCSv4 Platinum) version 4.0.2.01003 : http://software-dl.ti.com/dsps/dsps_public_sw/sdo_ccstudio/CCSv4/CCS_4_0_2/exports/setup_CCS_4_Platinum.zip



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- Code Generation Tool version 4.5.1 for HDVICP2 processor related APIs.
- Code Generation Tool version 5.0.2 for Media Controller processor related APIs.
- IVAHD CSP (containing CSL) version 00.05.02.00
- IVA-HD simulator for CCSv4 : IVA-HD CSP v1.1.5 (a.k.a simulator version 5.0.16)

Fixed In This Release

- None

Known Issues

Defect ID	Description	Applicable Release Configuration
None	HDVICP2 API libraries are only sanity tested with limited number of test cases	HDVICP20_API_001

HDVICP2.0/IVA-HD API Library

Version 01.00.00

Release Notes

December 2010

Build ID: 01.00.00.19

The release note is divided into the following sections:

- [New In This Release](#)
- [Release contents](#)
- [Validation Information](#)
- [Fixed in This Release](#)
- [Known Issues](#)

New In This Release

- Migrated to new IVAHD CSP release version 00.05.02.00

Release contents

- IVA-HD L0 & L1 API library (both ARM and Thumb mode versions)
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Validation Information

Release Configuration	Description	Validation Platform
HDVICP20_API_001	IVA-HD L0 & L1 APIs for MPEG-4, H.264 encoders and MPEG-4, MPEG-2, H.264, VC-1 decoders	IVA-HD simulator

This release is validated on the following:

- Code Composer Studio (CCSv4 Platinum) version 4.0.2.01003 : http://software-dl.ti.com/dsps/dsps_public_sw/sdo_ccstudio/CCSv4/CCS_4_0_2/exports/setup_CCS_4_Platinum.zip



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- Code Generation Tool version 4.5.1: https://www-a.ti.com/downloads/sds_support/CodeGenerationTools.htm
- IVAHD CSP (containing CSL) version 00.05.02.00
- IVA-HD simulator for CCSv4 : IVA-HD CSP v1.1.5 (a.k.a simulator version 5.0.16)

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None	Bug in HDVICP20_TI_SBH_ResetIRQMask() implementation	HDVCIP20_API_001
None	Changed build options for “hdvicp20_ti_ecd3_h264e.c” to -O3 and no symbolic debug (same as project level options)	HDVCIP20_API_001

Known Issues

Defect ID	Description	Applicable Release Configuration
None	Only sanity tested, APIs are tested with example H.264 encoder & decoder in IVAHD starter kit version 01.00.00.17 using limited number of streams (10 test streams each for encoder and decoder with standard resolutions ranging from QCIF to D1)	HDVCIP20_API_001