

# **DSP/BIOS H3A Device Driver**

**Version: 1.10.03**

## **Release Notes**

**April 16, 2009**

The product release notes in this document are for DM6437 DSP/BIOS H3A Device Driver, which is part of the DM6437 BIOS package.

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## 1 General information

The H3A device driver included in this release package supports h/w capabilities of DSP h3a device.

The driver supports input from CCDC only.

Driver code in this release is MISRAC compliant.

The driver is based on an architecture that allows for easy customization/extension. It separates usage policies such as buffering scheme and blocked-calls from basic device management for data transfers.

## 2 New In This Release

- The pragma definitions, macro definitions and compiler switches used are documented in the user guide.

## 3 System Requirements

Details about the tools and the BIOS version that the driver is compatible with can be found in the system Release Notes.

## 4 Installation and Usage

1. Install BIOS package as per instructions provided along with the package.
2. H3A Device driver sources are available in `<root>\packages\ti\sdo\pspdrivers\drivers\h3a` folder.
3. Compile the H3A project file given in build directory to build the debug/release library.
4. Sample application/test code for AF and AEW are provided in `<root>\packages\ti\sdo\pspdrivers\system\dm6437\bios\evmDM6437\video\sample\build\h3a` folder. Please refer to 'TII DM6437-VPSS\_H3A\_Appnote.pdf' for further details.

## 5 Uninstallation

1. Un-install the Driver package as per instructions provided with the package

## 6 Adding instance of the device driver

To have H3A device driver included in the application, it is required to add the TCI file i.e. "dm6437\_h3a0.tci" in the TCF file of the application. Refer to section 5 in DM6437\_BIOS\_PSP\_Release\_Notes.doc.

## 7 Fixed In This Release

None

## 8 Known Issues

<b>1.</b>	<b>MISRA C Compliance</b>
<b>Release Note</b> The source code, contained in this release, is MISRA C Compliant with some waivers and some bugs in the tool.	
<b>Workaround</b> None	

<b>2.</b>	<b>H3A known issues</b>
<b>Release Note</b> Stress testing is pending.	
<b>Workaround</b> None	

## 9 Revision history

<b>Date</b>	<b>Author</b>	<b>Comments</b>	<b>Version</b>
December 4, 2006	EI4	Post-silicon release 0.3.0 with VPSS	1.1
December 11, 2006	EI4	Post-silicon release 0.3.0 with VPSS, Previewer is tested with On-the-fly mode	1.2
December 26, 2006	EI4	Post-silicon release 0.3.0 with VPSS, H3A is tested	1.3
December 31, 2006	EI4	Post-silicon release 0.4.0	1.4
January 16, 2007	EI4	Post-silicon release 0.4.1	1.5
January 29, 2007	EI4	Post-silicon release 0.5.0	1.6
March 06, 2007	EI4	Post-silicon release 0.6.0	1.7
April 25, 2007	EI4	Post-silicon release 0.7.0	1.8
May 8, 2007	EI4	Post-silicon release GA 1.0.0	1.9
June 22, 2007	Anuj Aggarwal	GA Patch Release	1.00.01
June 29, 2007	Amit Chatterjee	Modified Release Number	1.00.02
July 18, 2007	EI4	Modified Release Number	1.00.03
November 29, 2007	Sivaraj R	PSP merge package changes - modified release version and directory structure changes	1.00.04
January 14, 2008	Sivaraj R	PSP_H3A_IOCTL_SET_SEM_TIMEOUT IOCTL added	1.00.05
May 28, 2008	M Sriram	Updated for release 1.10.01	1.00.06