

DSP/BIOS Previewer Device Driver

Version: 1.10.03

Release Notes

April 16 2009

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

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1 General information

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

The driver supports input from CCDC (On-the-fly mode) and DDR.

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.

Driver code in this release is MISRAC compliant.

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. Previewer Device driver sources are available in `<root>\packages\ti\sdo\pspdrivers\drivers\previewer` folder.
3. Compile the Previewer project file given in build directory to build the debug/release library.
4. Sample application/test code is provided in `<root>\packages\ti\sdo\pspdrivers\system\dm6437\bios\evmDM6437\video\sample\build\previewer` folder. Previewer On-the-fly test application is provided in `<root>\packages\ti\sdo\pspdrivers\system\dm6437\bios\evmDM6437\video\sample\build\previewer_on_the_fly` folder. Previewer Dark Frame Capture test application is provided in `<root>\packages\ti\sdo\pspdrivers\system\dm6437\bios\evmDM6437\video\sample\src` folder. Please refer to 'TII DM6437-VPSS_Previewer_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 Previewer device driver included in the application, it is required to add the TCI file i.e. "dm6437_previewer.tci" in the TCF file of the application. Refer to section 5 in DM6437_BIOS_PSP_Release_Notes.pdf.

7 Fixed In This Release

None

8 Known Issues

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

2.	Previewer known issues
Release Note	
Stress testing is pending for Previewer On-the-fly mode.	
Workaround	
None	

9 Revision history

Date	Author	Comments	Version
December 4, 2006	EI2	Post-silicon release 0.3.0 with VPSS	1.1
December 11, 2006	EI2	Post-silicon release 0.3.0 with VPSS, Previewer is tested with On-the-fly mode	1.2
December 30, 2006	EI2	Post-silicon release 0.4.0	1.3
January 16, 2007	EI2	Post-silicon release 0.4.1	1.4
January 25, 2007	EI2	Post-silicon release 0.5.0	1.5
March 6, 2007	EI2	Post-silicon release 0.6.0	1.6
April 25, 2007	EI2	Post-silicon 0.7.0	1.7
May 8, 2007	EI2	Post-silicon GA 1.0.0	1.8

June 22, 2007	Anuj Aggarwal	GA patch release 1.00.01	1.9
June 29, 2007	Amit Chatterjee	Modified Release Version	1.10
July 18, 2007	EI2	Modified Release Version	1.11
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_PREVIEWER_IOCTL_SET_SEM_TIMEOUT ioctl added	1.00.05
May 28, 2008	M Sriram	To update for 1.10.01 release	1.10.06
