

[ Internal Use Only ]

Sony Corporation

No. HDCM10-032R-TN

## Technical News

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Issued : September 3, 2010

Revised : October 22, 2010

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**Subject: 3G FIBER TRANSMISSION UNIT(HKC-HB10,  
HKC-HB15) supporting RGB4:4:4**

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Applicable Model(s) (Destination)	Serial Number(s)	Number of Unit(s)
HDC1000	ALL	
HDC1000R	ALL	
HDC1100R	ALL	
HDC1500	ALL	
HDC1500R	ALL	
HDC1600R	ALL	

**[Description]**

The software version is upgraded to add the new feature that enables the RGB 4:4:4 transmission between CAM and CCU, to the HDC1000/1000R series on which the 3G Fiber Transmission Unit (HKC-HB10/HKC-HB15) is installed.

- \* To add the new feature of RGB 4:4:4 output, the software HZC-UG444 (RGB 4:4:4 KeySoft) should be installed.

**<Precautions>**

When the 3G Fiber Transmission Unit (HKC-HB10/HKC-HB15) is not installed, the system is outside the scope of this Technical News. Do not install this software.

New version numbers that are released by this Technical News.

(Common to all of HDC1000/1500/1000R/1100R/1500R/1600R)

Firmware	V3.10
PLD      SDI-95	V1.02

- \* For the other printed circuit boards also, the application of HDCM10-013 is required.

**Firmware Version Upgrade****[Preparation]****1. Memory stick**

Version upgrade is executed using a Memory Stick. Prepare one of the following types of Memory Stick.

- MSA-\*\*      (Memory Stick)
- MSG-\*\*      (MagicGate Memory Stick)
- MSH-\*\*      (MagicGate Memory Stick)
- MSX-\*\*      (Memory Stick PRO)
- MS-MT\*\*    (Memory Stick PRO Mark2)
- MSX-M\*\*    (Memory Stick PRO High Speed)
- MS-EX\*\*    (Memory Stick PRO-HG Duo)

**2. Data for version upgrade**

- Obtain the V3.10 files for the AT-163 board by contacting to your local Sony's service office.
- Obtain the following file.
  - a) hdc1000.rom (ROM data, binary file)
- Create a folder having the name shown below in a Memory Stick, and copy the file specified in a) above.

¥MSSONY¥PRO¥CAMERA¥HDC1000

**[Installation Procedure]**

1. Turn on the power of the unit.
2. Insert the Memory Stick in which the version upgrade program is saved into the Memory Stick slot of the main unit.
3. Display the DIAGNOSIS menu - < ROM VERSION > page, and move the cursor so that the cursor flashes at the position of the page number.
4. Press and hold the ENTER switch. In approximately 3 seconds, the arrow mark "→" moves to the AT: position.
5. While the arrow mark "→" is pointing at AT:, press the ENTER switch. The message "VERSION UP OK? YES → NO" is displayed.
6. Move the arrow mark "→" to YES, and press the ENTER switch. Version upgrade starts.
7. When the message "COMPLETED" appears on the < FIRMWARE UPDATE > screen, turn off the power of the camera.

**[Confirmation / Adjustment]**

AT-163 board version check

- Turn off the power once and turn it back on. Check that the AT firmware version is V3.10 on the DIAGNOSIS menu <ROM VERSION> page.

**PLD Version Upgrade****[Preparation]**

<Files for PLD>

Filename: VCAMERA\_1.02.mcs

Please contact to your local Sony's service office in order to obtain the file.

< Others >

Personal computer

OS: Windows

Software: iMPACT (manufactured by Xilinx Inc.)

Download tool: Platform cable USB II (manufactured by Xilinx Inc.)

Fixture cable (PLD download harness): [Refer to HDCM10-028 for obtaining the tool.](#)  
(Rev.1)

**[Installation Procedure]**

Refer to the item [Upgrade Procedure for PLD made by Xilinx] in HDCM10-028.

\* Write the data from the EPR connector (CN202) on the SDI-95 board to the PLD.

**[Confirmation after Installation]**

Check the PLD version name on the VF menu.