Sony Corporation No. HDCM10-052-TN

Technical News

Issued : November 10, 2010

Subject: Software Release Info. (V3.00/3.10 => V3.20)

Applicable Model(s) (Destination)	Serial Number(s)	Number of Unit(s)
HDC1000		
HDC1000R		
HDC1100R		
HDC1400R		
HDC1500		
HDC1500R		
HDC1600R		
HKC-HB10/L SYM		
HKC-HB10/L1 SYM		
HKC-HB10/T SY3		
HKC-HB15/L SYM		
HKC-HB15/L1 SYM		
HKC-HB15/T SY3		

[Description]

We have released the upgraded version of the firmware and PLD of HDC1000/1000R series on which the 3G Fiber Transmission Unit (HKC-HB10/HKC-HB15) is installed.
Upgrade the firmware and PLD when you want to realize the following change points.

* Note: This firmware is dedicated to the HDC1000/1000R on which the 3G Fiber Transmission Unit is installed. Do not use this firmware for the unit other than the above.
Note that the feature of transmitting the RGB 4:4:4 output is already included.
* If you want to add the feature enabling the RGB 4:4:4 output, the software HZC-UG444 (RGB 4:4:4 Upgrade Key) is necessary.
However, the RGB 4:4:4 output feature cannot be added to HDC1400R.

● Version number after upgrade with this Technical News:
(Common to all of HDC1000/1500/1000R/1100R/1400R/1500R/1600R)
Firmware   V3.20
PLD [SDI-95]   V1.11
(HDC1000R/1100R/1400R/1500R/1600R)
PLD [DAP-33A]   V4.10
PLD [DPR-265A]   V3.02

[Change Points]

1. Support for lens metadata
   The feature of superimposing the zoom, focus and iris data of lenses on the SDI signal is supported.
2. Support for the high speed TRUNK line
   Speeding up of the TRUNK line communication is enabled.
3. The feature of transmitting the skin detail gate when connected to HDFA-200 is supported.

◆ **Firmware Version Upgrade**

[Preparation]

< 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)

< Software Files >

- Please contact to your local Sony's service office for obtaining the V3.20 files for the AT-163 board.

- The folder contains the following two files.
   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 page number position.
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 V3.20 on the DIAGNOSIS menu -=> <ROM VERUP> page.

◆ PLD Version Upgrade (Altera)

[Preparation]
1. PLD Download Tool
2. PLD file
   DAP-33A   E-000-004-50-05   V4.10
   DPR-265A   E-000-004-52-05   V3.02
   * Please contact to your local Sony's service office for obtaining the file.

[Procedure]
Use the PLD Download Tool to write the above PLD data to the respective boards.

[Confirmation]
Turn off the power once and turn it back on. Check the PLD version name of the respective boards on the DIAGNOSIS menu => <PLD VERSION> page.

◆ PLD Version Upgrade (Xilinx)

[Preparation]
<Software Files for PLD>
- Filename: VCAMERA_1.11.mcs
  * Obtain the file from the specified Software Download Site.

< 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):

[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]
Check the PLD version name on the VF menu.