Sony Corporation

No. HDCM15-052-TN

Technical News

Issued : August 7, 2015 Software Release [Software: V2.30, DRX-PLD: V2.30, RC-PLD: V2.30] Subject:

[Applicable Model]

Model / Destination	Serial Number	Number of Unit
HDCU1700 CED		
HDCU1700 SY3		
HDCU1700 SYL		
HDCU2000 CED		
HDCU2000 E2		
HDCU2000 E3		
HDCU2000 J2		
HDCU2000 UC5		
HDCU2080 CNB		
HDCU2500 CED		
HDCU2500 SY3		
HDCU2500 SYL		
HKCU2007 SY		

[Description]

Updated version (V2.30) is released for adding functions to HDCU2000/2500/2080/1700. Perform the version upgrade as necessary.

[Change Point]

<New Function>

- 1. Support HKCU-SM100
 - The length of the Fiber cable is indicated on the status screen during the Single Mode Fiber connection with the HKCU-SM100 and the HDCE-100/200.

<Error Correction>

- 1. Software is corrected so that the communication with the camera would not be disconnected even though the camera select is repeated more than 7,000 times.
- 2. Software is corrected since the communication with the camera rarely is disconnected when repeating the power ON/OFF while the unit is connected with the BPU.
- 3. Software is corrected since the communication with the camera rarely is disconnected when leaving the setting of the camera with unsupported video format.
- Correct the spelling error on the ABS execution screen. Correct the display of "LEVEL CHACK" to "LEVEL CHECK" by software when executing the ABS.
- 5. Software is corrected so that the intercom line would not be disconnected even in the environment which the communication with the camera is frequently disconnected.
- 6. PLD is corrected so that the ANC data such as the lens metadata would not be embedded to the active area of the video signal.

[Preparation]

[Software Files]

File name	Update target	Version
hdcu2000.rom	Software	V2.30
E_000_005_29_10	PLD (DRX-9)	V2.30
E_000_005_30_08	PLD (RC-105)	V2.30

* Please contact to your local Sony's service office for obtaining the software files.

* Software tool for the PLD upgrade

DLT_v35.exeSoftware tool for PLD version updateDLT30_install.pdf DLT_v35Install Guide (Japanese)DLT30_install_E.pdf DLT_v35Install Guide (English)Refer to HDCM12-041 for obtain the files above.

<Memory stick>

The software version upgrade is executed using a memory stick. Prepare a memory stick of the following types.

The memory stick that has already been used for other applications can also be used if it has blank capacity of 2 MB or more.

- MSA-8AN (8MB)
- MSA-16AN (16MB)
- MSA-32AN (32MB)
- MSA-64AN (64MB)

Create the following directory in a memory stick, and copy hdcu2000.rom. Enter the directory name with upper-case letters.

Because of the display on Microsoft Windows system, be careful that only the top character is displayed in upper case, and the remaining characters are displayed in the lower case characters. \MSSONY\PRO\CAMERA\HDCU2000 (Enter all in upper case)

- <PLD upgrade tool>
 - Personal computer
 - OS: Windows 2000/XP, with USB port
 - Above software tool for version update is already installed
 - PLD download jig (cable) Part No. J-7120-220-A

[Installation Procedure]

<Software >

- 1. Turn off the power of HDCU2000/2500/2080/1700.
- 2. Insert the memory stick in which the version upgrade data is copied in the specified directory, into the memory stick connector of the AT-167 board.
- 3. Set the switch S401 (the switch located in the top) at the end of the AT-167 board to the "SD" position.
- 4. Set the switch S402 (the switch located in the bottom) at the end of the AT-167 board to the "ADV" position. While keeping its position with a hand, turn on the power of the HDCU2000/2500/2080/1700.
- 5. When the Memory Stick Access LED has changed from the red to green light, release your hand from switch S402.
- 6. After the green LED of the MAIN-POWER of the HDCU2000/2500/2080/1700 keeps blinking for about 15 seconds, it turns on.
- 7. Return the switch S401 position from "SD" position to the original position.
- 8. Turn off the power once and turn it back on. The system will boot up with the new software.

<PLD>

Write data into PLD of each board following the Service Manual Chapter 1-13.

- Caution
 - *1 The PLD internal data on the SDP-17 board is written or rewritten via the CN3/AVP-15 board. Rewrite the data with the e-Production tool with switch S1-8 on the AVP-15 board turned on. After it is rewritten, return switch S1-8 on the AVP-15 board to off.

[Confirmation/Adjustment]

<Confirming the software version>

Check the ROM version at the CHARACTER output or the MONITOR output. (On this page, the names of the ROMs are displayed on the screen regardless of the model names. Therefore, the ROM name "HDCU2000" is displayed for HDCU2500 also.

ROM Version CHU CCU HDCU2000 2.30 15.07.15 <Confirming the PLD version> Check the PLD version name at the CHARACTER output or the MONITOR output.

> Firmware V2.30 (Change target) PLD AT-167 V4.12 AVP-15 V1.11 SDP-17 V2.10 DTX-9 V2.01 DRX-9 V2.30 (Change target) RC-105 V2.30 (Change target)