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Sony Corporation

No. HDCM14-039R-TN

Technical News

Issued : June 13, 2014

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Subject: Software Release [AT:V2.10]

[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		

(Rev.1) The software of SDP-PLD is deleted. Refer to HDCM14-048 when applying this technical news.

[Description]

V2.10 is released for adding functions to HDCU2000/2500/2080/1700. Perform the version upgrade as necessary.

[Change Point]

<New function>

1. Support the connection with HDCE-200
Add the COAX(HDCE) mode and so on.
2. Adjustment function of Embedded Audio Delay
Add the adjustment function to follow the MIC Delay
3. Auto switching control for 10F-BB 10Field-ID
The "10F-BB" becomes effective only in 1080/23.98PsF.

<Error correction>

1. The setting of Network Trunk mode is not reflected promptly.
Change to send the command of setting change to the camera when the mode is changed.
2. Correct the switching process of the transition mode when the external DC power is supplied to the camera
Correct the judgment condition of CABLE OPEN so that the transition mode could be switched properly.
3. Correct the "HDFX IF" indication of MCS mode MSU/RCP with HDFX200
Add MSU/RCP as the destination of the notification of the commands when connecting in MCS mode
4. Correct the error that the operation of CCU becomes unstable when the RCP assign is repeated more than 3,000 times while the power is kept turning on.
Correct the error in the memory processing during the command processing
5. Correct the process of AES/EBU output when the camera is not connected
It is set to OFF (MUTE) by the hardware when the camera is not connected.

[Preparation]

<Software Files>

Version update of the software and PLD is required.

File name	Update target	Version
hdcu2000.rom	Software	V2.10
E-000-001-93-25	PLD (AT-167)	V4.12
E-000-005-26-09	PLD (SDP-17)	V2.04 (Rev.1)
E-000-005-28-09	PLD (DTX-9)	V2.01
E-000-005-29-08	PLD (DRX-9)	V2.02

(Rev.1) Refer to HDCM14-048.

* Software tool for the PLD upgrade

DLT_v35.exe	Software tool for PLD version update
DLT30_install.pdf DLT_v35	Install Guide (Japanese)
DLT30_install_E.pdf DLT_v35	Install Guide (English)

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

<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 to HDCU2000/HDCU2500/2080/1700
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 their respective positions with hands, 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

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
2.10	14.5.30

<Confirming the PLD version>

Check the PLD version name at the CHARACTER output or the MONITOR output.

Versions in this Technical News

Firmware V2.10 (Change target)

PLD AT-167 V4.12 (Change target)

~~SDP-17 V2.04 (Change target)~~ (Rev.1)

AVP-15 V1.11

DTX-9 V2.01 (Change target)

DRX-9 V2.02 (Change target)

RC-105 V2.00

(Rev.1) Refer to HDCM14-048.