Sony Corporation No. HDCM12-021R-TN

Technical News

Issued : June 4, 2012
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Subject: Software Release (V1.02 =>V1.10)

[Applicable Model]

Model / Destination	Serial Number			Number of Unit
HDCU2000 CED	40001	-	40032	32
HDCU2000 E2				
HDCU2000 E3				
HDCU2000 J2	30001	-	30015	15
HDCU2000 UC5	10001	-	10138	138
HDCU2500 CED				
HDCU2500 SY3	30001	-	30027	27
HDCU2500 SYL	10001	-	10080	80
HKCU2007 SY				

[Description]

V1.10 is released for adding functions to HDCU2000/2500. Upgrade the firmware and PLD versions as required.

Versions in this Technical News

Firmware		V1.10
PLD	AT-167	V4.00
	SDP-17	V1.10
	AVP-15	~~V1.10~~ V1.11 Rev.1
	DTX-9	V1.10
	DRX-9	V1.11
	RC-105	V1.10

(Precautions)

To add functions, the HDC2000 series needs to be upgraded. Upgrade the version by referring to HDCM12-022.

[Added Functions]

1. Double-speed output for SR-R1000 supported
   The double-speed output format can be switched with 2X MODE in the CCU menu S03 <MULTI FORMAT>.
   To record the double-speed output with SR-R1000, set the 2x mode to “0”.
   To record the double-speed output with an EVS server, set the 2x mode to “1”.
   To record the double-speed output with SRW-5800 or SRW-1, set the 2x mode to “2”.
   For the SR-R1000 to be used, perform the procedure written in SRM12-004.
2. RGB4:4:4 output supported
   By this upgrade, following modes are added to CAMERA FORMAT.
   1080/59.94i(RGB444)
   1080/29.97PsF(RGB444)
   1080/23.98PsF(RGB444)
   1080/50i(RGB444)
   1080/25PsF(RGB444)
   1080/24PsF(RGB444)

   The output format is switched between RGB4:4:4(10bit) and RGB4:4:4(12bit) with the BIT DEPTH item in the CCU menu S03 <MULTI FORMAT>. Select the setting according to the format supported by the connected device.

Upgrading the software version

[Preparation]

1. Memory stick

   Use a memory stick to upgrade the version. Prepare either one of the following memory sticks. The memory stick used for other purposes can also be used if it has 2 MB or more free space.

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

2. Software Files

   File Name: hdcu2000.rom (V1.10 for AT-167 board)

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

   Create the following directory in the memory stick, and copy file above.
   Enter the directory name with upper-case letters. Note that due to the Windows display characteristics, even when all the letters are entered in upper case, only the first letter of a word is displayed in upper case and the rest in lower case.

   ¥MSSONY¥PRO¥CAMERA¥HDCU2000 (Enter all in upper case)

[Installation Procedure]

1. Turn off the power to HDCU2000/2500.
2. Insert the memory stick, in which the version upgrade data is copied in the specified directory, to the memory stick connector on the AT-167 board.
3. Set switch S401 (upper switch) located near the edge of the AT-167 board to the "SD" side.
4. Set switch S402 (lower switch) to the "ADV" side and while keeping its position, turn on the power.
5. When the memory stick access LED has changed from red to green, release switch S402.
6. The green LED of MAIN-POWER of HDCU2000/HDCU2500 blinks for about 15 seconds and then lights.
7. Return switch S401 from the "SD" side to the original position.
8. Turn off the power and turn it back on to start with the new software.

[Confirmation/Adjustment]

Check the ROM version with the CHARACTER output or the MONITOR output. (This page shows the ROM names. Therefore, the ROM name "HDCU2000" is displayed for both HDCU2000 and HDCU2500.)

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*ROM Version*
CHU
CCU   HDCU2000
      1.10        12.03.26
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Upgrading the PLD version

[Preparation]

1. e-Production tool
2. e-Production files

AT-167	E_000_001_93_22	V4.00
SDP-17	E_000_005_26_03	V1.10 (*1)
AVP-15	~~E_000_005_27_02 V1.10~~	E_000_005_27_03 V1.11 Rev.1
DTX-9	E_000_005_28_04	V1.10
DRX-9	E_000_005_29_03	V1.11
RC-105	E_000_005_30_04	V1.10

*Please contact to your local Sony's service office in order to obtain software.

*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.

[Procedure]

Use the above files with the e-Production tool to write the data in the PLD on each board.

[Confirmation]

Check each of the PLD version name with the CHARACTER output or the MONITOR output.