

[Internal Use Only]

Sony Corporation

No. HDCM10-049R-TN

Technical News

Issued : November 8, 2010

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Subject: HDCU1000 Series Software Release Info. (V2.10)

Applicable Model(s) (Destination)	Serial Number(s)	Number of Unit(s)
HDCU1000/ULCED		
HDCU1000/L CED		
HDCU1000/L J2		
HDCU1000/L UC5		
HDCU1000/L1 CED		
HDCU1000/L1 J2		
HDCU1000/L1 UC5		
HDCU1000/L2 CED		
HDCU1000/L2 J2		
HDCU1000/L2 UC5		
HDCU1000/L3 J2		
HDCU1000/L3 UC5		
HDCU1000/L4 J2		
HDCU1000/L4 UC5		
HDCU1000/L5 UC5		
HDCU1000/LD J2		
HDCU1000/LD UC5		
HDCU1000/T E2		
HDCU1000/T E3		
HDCU1000/T J2		
HDCU1000/T1 E2		
HDCU1000/T1 E3		
HDCU1000/T1 J2		
HDCU1000/T2 E2		
HDCU1000/T2 E3		
HDCU1000/T2 J2		
HDCU1000/T3 J2		
HDCU1000/T4 J2		
HDCU1000/T5 J2		
HDCU1000/TD E2		
HDCU1000/TD E3		
HDCU1000/TD J2		
HDCU1000=UL1CED		
HDCU1000=UL2CED		
HDCU1000=UL3CED		
HDCU1080/L CNB		
HDCU1080/L1 CNB		
HDCU1080/L2 CNB		
HDCU1080/L3 CNB		
HDCU1080/L4 CNB		
HDCU1080/T CNB		
HDCU1080/T1 CNB		
HDCU1080/T2 CNB		

Applicable Model(s) (Destination)	Serial Number(s)	Number of Unit(s)
HDCU1080/T3 CNB		
HDCU1500//ULCED		
HDCU1500/L SYL		
HDCU1500/L1 SYL		
HDCU1500/L2 SYL		
HDCU1500/L3 SYL		
HDCU1500/L30SYL		
HDCU1500/L4 SYL		
HDCU1500/LD SYM		
HDCU1500/T J4		
HDCU1500/T1 J4		
HDCU1500/T2 J4		
HDCU1500/T2 SY3		
HDCU1500/T3 SY3		
HDCU1500/T30SY3		
HDCU1500/T4 SY3		
HDCU1500/TD SY3		
HDCU1500=UL1CED		
HDCU1500=UL2CED		
HKCU1005 SYM		
HKCU1005/1 SYM		
HKCU1005/2 SYM		
HKCU1005/3 SYM		
HKCU1005/4 SYM		

[Description]

The upgraded version of the HDCU1000 series firmware and PLD are released in order to support the 3D feature.

1. Lens metadata

The lens metadata that is superimposed in the camera can be multiplexed with the HD-SDI output. It is set with switch S2-SW4 on the DRX-5 board/DRX-5A board.

ON: Lens metadata multiplex ON

OFF: Lens metadata multiplex OFF

2. The TRUNK line baud rate has speeded up.

It can be speeded up from approx. 38 kbps to approx. 150 kbps in the single line mode.

Rev.1**<New Feature>**

When using the HDCU-1000 series with MSU-1000 series or RCP-1500 series, the cameras can be configured up to 96 units.

<Changed Feature>

MIC GAIN of the camera can be remotely controlled from the panel of MSU-1000 series or RCP-1500 series.

Note: If the software version of HDCU is less than V2.10, the changed setting of MIC GAIN by the panel is not stored after the power OFF and ON of the camera. It would be reset to the setting which HDCU has.

<New version numbers that are released by this Technical News>

Firmware	V2.10
PLD AVP-6	V3.10
AVP-6A	V3.10
DTX-5	V3.00
DRX-5	V3.06/3.08
DRX-5A	V4.06/4.08
SDP-12	V1.06

Firmware Version Upgrade**[Preparation]**

1. Memory stick

Use a Memory Stick for version upgrading.

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

2. Data for version upgrade

- (1) V2.10 files for the AT-167 board.

* Please contact to your local Sony's service office for obtaining

- (2) The folder contains the following file.
hdcu1000.rom (ROM data, binary file)
- (3) Create a following directory in a memory stick, and copy the downloaded files shown in step (2).

The directory name should be entered all with upper case characters.

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\HDCU1000 (Enter all characters in upper case.)

[How to Install]

1. Turn off the power of the HDCU1000/HDCU1500/HDCU1080.
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 HDCU1000/HDCU1500/HDCU1080.
5. When the Memory 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 HDCU1000/HDCU1500/HDCU1080 keeps blinking for about 15 seconds, it turns on.
7. Return the switch S401 from the "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.

[Confirmation / Adjustment]

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.

s Therefore, the ROM name "HDCU1000" is displayed on the screen for HDCU1000, HDCU1500 and HDCU1080.)

ROM Version	
CHU	
CCU	HDCU1000
	2.10 10.09.27

PLD Version Upgrade

[Preparation]

1. PLD download tool
2. Following files

AVP-6	E-000-004-42-05	V3.10
AVP-6A	E-000-004-42-05	V3.10
DTX-5	E-000-001-95-22	V3.00
DRX-5	E-000-001-96-43	V3.06/3.08
DRX-5A	E-000-004-34-19	V4.06/4.08
SDP-12	E-000-001-97-13	V1.06

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

[Procedure]

Use the PLD download tool to write the above PLD data to the respective boards.

[Confirmation]

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