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Sony IP&S Inc.

No. HDCM19-034-TN

Technical News

Issued : May 22, 2019

Subject: Software Release [AT Software, V3.40]

[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		
HDCU2580 CNB		
HKCU2007 SY		
HKCU2040 SY		

[Description]

The software with additional functions and corrected errors for the HDCU2000 series is released.
(V3.40)

Upgrade it as necessary.

The HDR related settings of the HDCU2000 series equipped with the HKCU2040 (4K/HDR PROCESSOR BOARD option) can be changed from the MSU/RCP

Upgrade the firmware of the CCU by referring to the procedure below as necessary.

Additionally, upgrade the connecting camera, control panel, and BPU by referring to the technical news.

- HDCM19-026 (RCP-1500/1501/1530)
- HDCM19-025 (MSU-1000/1500)
- HDCM17-088 (HDC2000 Series)
- HDCM18-073 (BPU4000)
- HDCM18-074 (BPU4500)
- HDCM17-006 (Upgrading procedure for the DPR-378 board)
- HDCM18-001 (How to adjust Amplitude of SDI Output of HKCU2040)

[Change Point]

<New Functions>

1. The setting of HDR OETF/Color space can be changed from the panel when HKCU2040 is installed.
The settings of HDR OETF and HDR Color Space can be changed from MSU/RCP when the HKCU2040 is installed.
2. The setting of HDR Black clip/compression can be changed from panel when HKCU2040 is installed.
The setting of HDR Black Clip and HDR Black Compression function can be changed from MSU/RCP when HKCU2040 is installed.
3. The function to disable the PRIVATE setting of the INTERCOM switch is added.
The function to disable the PRIVATE setting of the INTERCOM switch on the front panel is added to the C09 <FRONT INCOM> PRIV SW section.

<Error Corrections>

1. The error that 4K-Quadlink Link-C, D outputs may not be obtained depending on the order of changing the slot setting when the HKCU2040 is installed and the 4K-Quadlink 2 output is set is corrected.
2. The error that the black clip is set to “ON” when the HKCU2040 is installed and the unit is launched with the OETF:S-LOG3 setting is corrected.
3. The error that the 4K Detail data of the Reference file may not be reflected when the HKCU2040 is installed, and the camera is launched with other than 1080P(4K/HDR) transmission and change the format to 1080P(4K/HDR) later, is corrected.

[Preparation]

<Software file>

Version upgrade of the software is necessary.

File name	Upgrade target	Version
hdcu2000.rom	Software	V3.40

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

<Memory stick>

The software version upgrade is executed using a memory stick. Prepare either one of the following memory sticks.

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 lower case.

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

[Installation Procedure]

< Software >

1. Turn off the power of HDCU2000/2500/2080/2580/1700.
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 on the top) at the end of the AT-167 board to the "SD" position.
4. Set the switch S402 (the switch located on the bottom) at the end of the AT-167 board to the "ADV" position.
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 HDCU2000/2500/2080/2580/1700 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.

[Confirmation/Adjustment]

<Confirming the software version>

Check the ROM version at the CHARACTER output or the MONITOR output.

	ROM Version	
	CHU	
	CCU HDCU2000	
	3.40 19.04.18	

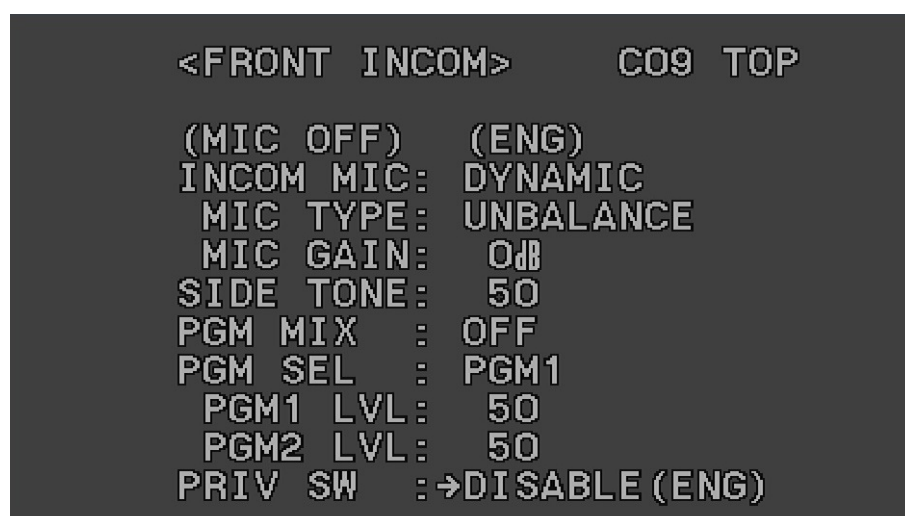
<Confirming the PLD version>

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

Versions in this Technical News

Firmware	V3.40 (To be changed)
PLD AT-167	V4.13
AVP-15	V1.11
SDP-17	V3.04
DTX-9	V2.41
DRX-9	V3.05
RC-105	V2.30
DPR-378	V1.15/V1.15

[Disabling PRIVATE setting of INTERCOM switch]



PRIV SW setting

ENABLE:	PRIVATE setting is enabled.
DISABLE(PROD):	PRIVATE setting is disabled. "PROD" is assigned for "PRIV" position.
DISABLE(ENG):	PRIVATE setting is disabled. "ENG" is assigned for "PRIV" position.