



Sony CONFIDENTIAL
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Technical News

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Revised :
Issued : July 30, 2021

Subject: Software Release[V2.40]

Issue No.
HDCM21-034-TN

Target Models / Destination

Model Name	Dest	Model Name	Dest	Model Name	Dest	Model Name	Dest
HDCU4300	SY3	HDCU4300	SYL				

[Description]

The updated version of HDCU4300 is released. (V2.31 => V2.40)

Upgrade the software in the unit as necessary.

In case of upgrading, upgrade the firmware and the PLD on each board by referring to the procedure below. Also, upgrade the peripheral unit as necessary by referring to the related technical memo information.

■ Recommended software version for related models and related technical memo

Technical memo No.	Related models	Version
HDCM20-055	HDC4300	V1.80
HDCM20-059	HDC-P43	V1.80
HDCM21-022	MSU-1000/1500	V3.70
HDCM21-024	MSU-3000/3500	V1.21
HDCM21-023	RCP-1500/1501/1530	V3.70
N/A	RCP-3100	V1.00
HDCM21-025	RCP-3500/3501	V1.20
IPTM21-008	PWS-110NM1/100NM1	V3.0.1

[When HKCU-IP43F is used]

- HDCM16-065 Software Release(LSM Plug-in for HDCU4300, V1.1.3)

[When HKCU-4001 is used]

- HDCM20-061 Software Release [Device Setting Plug-in for HDCU4300-ST2110 (LSM) , V1.1.2]

[Target serial]

Model	Serial
HDCU4300 SY3	0030001~33***
HDCU4300 SYL	0010001~13***

[Change Point]

<New Function>

1. Add Format (Installed HKCU-4001)

Add the following format as IP OUTPUT.

720/59.94P, 720/59.94P (2x) , 720/59.94P (3x) , 720/59.94P (4x) , 720/59.94P (6x)

720/50P, 720/50P (2x) , 720/50P (3x) , 720/50P (4x) , 720/50P (6x)

<Error Correction>

1. Fixed a bug in RxStream

Fixed a bug that the switching source Stream could not be Leave when switching Xpt on the LSM with Stream with different Port.

<Others>

1. Correspond to the VIF-60 board with suffix -22

Add the VIF-60 board with suffix -22.

The serial number of the board with suffix -22 mounting set will be described later.

(Suffix -1x: A-2116-198-A, 1-981-009-1x Suffix-22: A-5033-668-A, 1-981-009-22)

This update is necessary in the case of using the VIF-60 board with suffix -22.

This update is applicable to the VIF-60 board before suffix -22.

- * Change of suffix -22 is the parts change due to manufacturer supply difficulty of IC(A/D, D/A) for audio.
- * The modified schematic will be published at the revision of the next factory service manual.

[Preparation]

<Update data files>

File name : hdcu4300_v2.40.zip

- * For obtaining software files, contact the person in charge of Sony. The files below can be obtained by extracting the above zip file.
- * Software/PLD files of upgrade target by this technical news are included in hdcu4300_v2.40.zip.
- * All software/PLD files are included in hdcu4300_v2.40_allpackage.zip.

Package File Name	File Type	Target
hdcu4300_app.pkg	Software file	○
hdcu4300_mif.pkg	PLD file	○
hdcu4300_vif.pkg	PLD file	○
hdcu4300_4kpost.pkg	PLD file	○
hdcu4300_sdp.pkg	PLD file	○
hdcu4300_4001net1.pkg	PLD file	○
hdcu4300_4001net2.pkg	PLD file	○
hdcu4300_os.pkg	Software file	○
hdcu4300_updater.pkg	Software file	○
hdcu4300_sy.pkg	PLD file	○
hdcu4300_tx.pkg	PLD file	○
hdcu4300_dec_hdc4300.pkg	PLD file	○
hdcu4300_dpr.pkg	PLD file	○
hdcu4300_dpr_hco.pkg	PLD file	○
hdcu4300_dpr_sub.pkg	PLD file	○
hdcu4300_net.pkg	PLD file	○

* ○: These are files of upgrade target by this technical news, are included in both hdcu4300_v2.40.zip and hdcu4300_v2.40_allpackage.zip.

* ○: These are not files of upgrade target by this technical news, are included in only hdcu4300_v2.40_allpackage.zip

<Others>

USB memory x1

[Upgrading Procedure]

Upgrade the software using a USB memory.

To upgrade to this version, place the all package above to the USB memory, and be sure to perform the procedure of *Forced version update*.

As for the detail procedure, refer to SERVICE MANUAL 1-10.

[Notes]

When upgrading each package from service menu, it is possible that the following phenomena occur.

- The menu is not displayed.
- The version of NET1 / NET2 FPGA for HKCU-4001 is not displayed.

Even in this case, it is possible to restore the correct state by performing “Forced version update”.

[Confirmation after Version Update]

Display the CCU MENU - <DIAGNOSIS> - <VERSION1> (D03) page and <VERSION2>(D04) page, and check that the versions of the updated software and PLD are as shown in the table below.

Table 1 : Updated versions

Item	Version
APPLICATION	V2.40
OS	V2.12
UPDATER	V1.10
MIF	V2.20
VIF	V2.30
TX	V3.20
SY	V1.01
4K-POST	V1.60
SDP	V2.20
DEC(HDC4300)	V1.10
DPR(NORMAL)	V1.10
DPR(HCO)	V2.00
DPR(Sub)	V1.10 *1
NET	V1.03 *2
NMI LSI	V2.1.1 08 *2
NET1	V2.24 *3
NET2	V2.26 *3

*1 When DPR-392 board is installed

*2 When HKCU-IP43F is installed

*3 When HKCU-4001 is installed

[Supplement]

There is a limitation below by combining with CNU-700.

When CCU Format is 4K and 4K DTL of the Detail selection of the panel is not selected, the adjusted data for the camera is not reflected to the DATA page of CNU-700.

KNEE, APT, DTL LEVEL, DTL LIMITER, DTL CRISP