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Sony IP&S Inc.

No. HDCM18-073R-TN

## Technical News

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Issued : February 12, 2019

Revised : June 11, 2019

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**Subject: Software Release [V4.20 => V4.21]**

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[Applicable Model ]

Model / Destination	Serial Number		Number of Unit
BPU4000 SY3	30001	- 36020	6020
BPU4000 SYL	10001	- 16074	6074

(Rev.1) The software to correct the error which happens with V4.20 is released. (V4.21)

### [Description]

The updated version of the BPU4000 (V4.11 ~~=> V4.20~~ => V4.21) is released. (Rev.1)

\* Since the error is found in V4.20, the software is replaced to V4.21. (Rev.1)

Upgrade it as necessary.

Upgrade the peripheral units as necessary.

CAMERA APP	V4.21 (Rev.1)
DEC(HDC4300)	V3.40
DPR	V2.20
DPR(SUB)	V1.10 (*1)

\*1 In the case that DPR-392 board is installed.

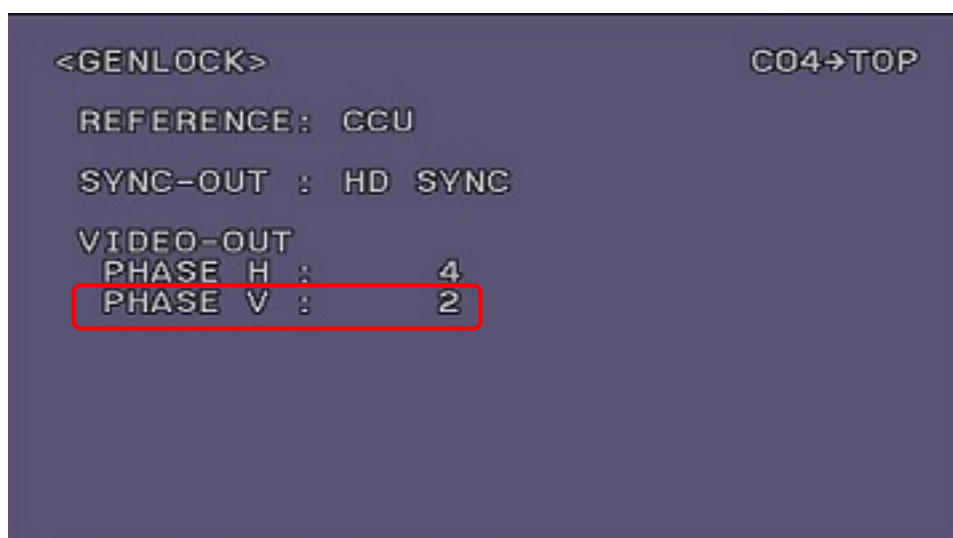
### ■ Recommended software versions

- F65: V4.0 or higher
- PMW-F55: V9.00
- CA4000: V2.51
- HDC4300: V1.60
- HDC-P43: V1.30
- HDCU2000/2500: V3.30
- MSU-1000/1500, RCP-1500/1501/1530: V3.30
- HDCU3100: V2.05

### [Change Point] (Rev.1)

#### <New Functions>

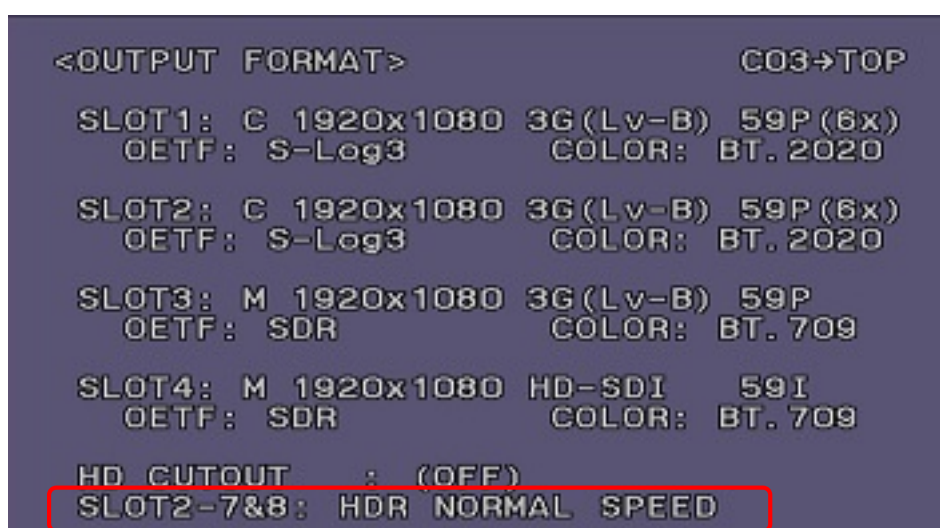
- Addition of Live Tone Control function  
It is the function to adjust the gradation of the luminance for entire range, mid-range, and low range individually. Only available when connecting with HDC4300/HDC-P43. Refer to HDCM18-078 as for details.
- Addition of HDR Black Compression function  
Only available when connecting with HDC4300/HDC-P43. Refer to HDCM18-076/HDCM18-077 as for details.
- Addition of HDR Black Clip ON/OFF function  
Only available when connecting with HDC4300/HDC-P43. Refer to HDCM18-076/HDCM18-077 as for details.
- Phase adjustment when connecting with CCU  
Add "PHASE V" as the "VIDEO-OUT" item in C04 GENLOCK page to expand the adjustable range.



#### <Change>

- Menu display when HDR normal speed is effective

When the HDR is effective and the HDR normal speed output is effective in HD HFR format, the condition that the HDR normal speed output is effective is indicated by displaying “SLOT2-7&8 : HDR NORMAL SPEED” at the bottom of C03 OUTPUT FORMAT page.



#### <Correction>

1. The error that the VF image is disturbed when the Format of the CCU is 720P and the RETURN VF is set to the HFR LINK is corrected.
2. The error that the ColorBars from SLOT1/2 is not HDR although the 4K(2x) are set and the SLOT1/2 are set to HDR is corrected.
3. Regarding the system that CCU is used, the error that the phase setting of SDI output is changed by turning the power to OFF/ON is corrected. (The error occurs in V4.20 only.) (Rev.1)

**[Preparation]**

<Update Data>

File name: **bpu4000\_v4.21.zip (Rev.1)**

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

The files below can be obtained by extracting **bpu4000\_v4.21.zip. (Rev.1)**

bpu4000_app.pkg	Software File
bpu4000_dec_hdc4300.pkg	DEC-PLD data on DVP-56 board
bpu4000_dpr.pkg	DPR-PLD data on DPR-348/DPR-392 board
bpu4000_dpr_sub.pkg	DPR(SUB)-PLD data on DPR-392 board

<Others>

USB memory 1 piece

**[Upgrading Procedure]**

Upgrade the software using a USB memory. For the work procedure, refer to the MAINTENANCE MANUAL.

Note: When the version of the unit is lower than V3.00, upgrade the software to V3.00 first with bpu4000\_app.pkg. Then, upgrade the other devices. (Some PLD update data cannot be installed if the software version is lower than V3.00.)

**[Confirmation after Upgrading]**

Confirm the version of the CAMERA APP and each PLD in the BPU4000 menu, <SERVICE> <SOFTWARE PACKAGE>(S01) and <PLD PACKAGE>(S02) page.

CAMERA APP	<b>V4.21 (Rev.1)</b>
DEC(HDC4300)	V3.40
DPR	V2.20
DPR(SUB)	V1.10 (*1)

\*1 In the case that DPR-392 board is installed.

**[Precaution on Downgrading]**

In case that the downgrading of the software is required, select "PMW-F55" in <CHU MODE> page of CONFIGURATION menu in advance of the downgrading.

Otherwise, the image cannot be output correctly.

**[Limitations]**

\* 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