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Sony Corporation

No. HDCM17-023R-TN

# Technical News

Issued : April 11, 2017

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**Subject: Software Release [AT Software: V3.10]**

[Applicable Model ]

Model / Destination	Serial Number	Number of Unit
HDC1700 CED		
HDC1700 E33		
HDC1700 JN4		
HDC1700 SYL		
HDC2000 CED		
HDC2000 J4		
HDC2000 JN3		
HDC2000 SY3		
HDC2100 J4		
HDC2400 CED		
HDC2400 E33		
HDC2400 JN4		
HDC2400 SYL		
HDC2500 CED		
HDC2500 E33		
HDC2500 JN4		
HDC2500 SYL		
HDC2550 CED		
HDC2550 UC7		
HDC2570 CED		
HDC2570 UC7		
HDC2580 CNB		
HDC2600 J4		
HKC-FB20 SYL		
HKC-TR20 SYM		
HKC-TR27 SYM		
HKC-WL20 SYM		

(Rev.1) Add the description to perform the upgrading of PLD on CD-73 board before upgrading camera application to V3.00/V3.10 to the installation procedure.

## [Description]

The software to support the LIVE-HDR function of HDC2000 series and to add/expand the function is released. (V3.10) Upgrade the software as necessary.

The upgrading of the camera side is required to add the LIVE-HDR function to the HDCU2000 series equipped with HKCU2040 (4K/HDR PROCESSOR BOARD option).

Upgrade the firmware and the PLD of each board by referring to the procedure below. Additionally, upgrade the control panel and the CCU to be connected with the camera by referring to the related technical news below.

- HDCM17-021 (RCP-1500/1501/1530)
- HDCM17-022 (MSC-1000/1500)
- HDCM17-024 (HDCU2000 series)

## [Change Point]

### <New Features>

1. HKCU2040 LIVE-HDR is supported. (HDC2000/2400/2500/1700 only)  
The HDR outputs of 4K/59.94P, 4K50P, 1080/59.94P, and 1080/50P are added by installing 4K/HDR PROCESSOR BOARD (HKCU2040) to HDCU2000 series.
  - 4K/HDR mode is added to the transfer mode between Camera and CCU.
  - Function to switch CAM MODE is added.
    - 4K/HDR: 1080P (4K/HDR) transmission format can be selected, but the SD signal cannot be output from camera.
    - NORMAL: 1080P (4K/HDR) transmission format cannot be selected, but the SD output can be output from camera.
  - \* HZC-PRV20 (1080P software option) is required for HDC2400/1700/
2. SOFT KNEE function is added.  
SOFT KNEE function to smooth the gradation expression around the Knee Point of high luminance Y signal is added.
3. Storable items for the scene file are expanded.  
The functions such as the iris and Master White Gain are enabled to be added to the scene file in SERVICE menu <SCENE FILE CUSTOMIZE> page.
  - \* However, the number of scene file would be fixed to 32 pieces after upgrading.

### <Error Correction>

1. The output order of the field at PsF transmission of the HDC2100/2600 (with FIT) is corrected.
2. When using the F drop compensation function, the display of the MSU/RCP would be updated at the switching of the extender also.

## [Preparation]

### <Software Files>

File name:

- hdc2000\_app.pkg - Software file
- hdc2000\_dpr3.pkg - PLD data 3 for DPR-338 board

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

### <Others>

USB memory, 1 piece

### [Installation Procedure]

As for the procedure, refer to the MAINTENANCE MANUAL.

#### <Note>

In case of upgrading a PLD for CD-73 board, upgrade the PLD before upgrading the camera application to V3.00/V3.10. (Rev.1)

### [Confirmation/Adjustment]

Confirm the each version on CAMERA menu, DIAGNOSIS – <ROM VERSION>(D3) page.

CAMERA APP V3.10 (Change target)

TG V1.00 FIT \* HDC2600/2100

TG V2.00 IT \* HDC2500, etc.

SY V3.03

DPR1 V2.41

DPR2 V1.20

DPR3 V3.06 (Change target)

SDI V2.41

TR V2.41 \* HDC2550/HKC-TR20

IF V2.40 \* HKC-WL20

CD V1.02 \* HDC2570/HKC-TR27

### [How to use New Feature]

#### SOFT KNEE

SOFT KNEE ON: ON/OFF of the soft knee function

RADIUS: Specify the point where to start curving the knee slope in front of the KNEE POINT.

(SOFT KNEE would not function in 4K/HDR)

