

# SONY®

## **BPU4000**

BASEBAND PROCESSOR UNIT

Software Release Notes

Version 3.41

May 23, 2017

## **Copyright Information**

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## DESCRIPTION

The new version of BPU4000 is released, upgrade to this software as necessary.

**CAUTION:** Before updating verify V3.31 is already installed, if not update to V3.31 first.

|                  |              |                     |
|------------------|--------------|---------------------|
| Software Package | CAMERA APP   | V3.41 (New Version) |
|                  | OS           | V1.00 (No Change)   |
|                  | UPDATOR      | V1.01 (No Change)   |
| PLD Package      | SY           | V2.00 (No Change)   |
|                  | TX           | V3.20 (New Version) |
|                  | DEC          | V2.11 (No Change)   |
|                  | DEC(F65)     | V2.01 (No Change)   |
|                  | DEC(F65 2X)  | V2.10 (No Change)   |
|                  | DEC(HDC4300) | V3.22 (No Change)   |
|                  | DPR          | V2.10 (No Change)   |
|                  | DPR(HCO)     | V2.00 (No Change)   |
|                  | DPR(FACT)    | V1.00 (No Change)   |
|                  | DPR(F65 2X)  | V2.11 (No Change)   |
|                  | 4K-POST      | V3.12 (New Version) |
|                  | 2K-POST      | V3.04 (New Version) |
|                  | SDP          | V3.12 (New Version) |

## RECOMMENDED SOFTWARE

- F65 V4.0 or higher
- HDC4300 V1.41
- HDC-P43 V1.11
- MSU-1000/1500 V3.00
- RCP-1500/1501/1530 V3.00

## NEW FUNCTIONS

1. The HDR mode is supported for the HD HFR format.

NOTE: If the RETURN VF setting is set to HFR LINK, the color bar output becomes SDR color bar only.

## SPECIFICATION CHANGES

1. The HDR mode in the HD format becomes the standard function.
2. The display unit of the HDR CONTRAST is changed from 10% to 1%.
3. The display unit of HDR BLACK OFFSET is changed from 1% to 0.1%.
4. The movable range of the inclination of the HDR KNEE is changed.
5. The SDR GAIN in CINEMA MODE is changed to adjustable.
6. The new FPC connection between the DVP board and the DPR board is supported.

## PROGRAM IMPROVEMENTS

1. The BPU is no longer switched to the incorrect format when using with the CCU equipped with the HKCU2040.
2. The process of the option key with the term of validity is changed so that it would not be expired while the power is turned on.
3. An image noise of the Slot 3/4 (HD output) no longer occurs by changing the OETF of the Slot1/2 (4K output).
4. The image of the SLOT2 (4K output) is no longer disturbed by changing the OETF of the SLOT1 (4K output).
5. The BPU output phase when the SYSTEM FORMAT is 720P is corrected.
6. "C10 CHU TRANSMIT" of <CONFIGURATION> menu is fixed to "NORMAL".

7. The operation of the Adaptive Matrix when shooting a high luminance object is improved.
8. The audio parity bit is now correctly superimposed.

## INSTALLATION PROCEDURE

### [Parts Required]

- File name: **bpu4000\_v3\_40.zip**
  - Download from the SoftwarePLUS website.
  - Extract the above file to obtain the following package file.
    - **bpu4000\_app.pkg**
    - **bpu4000\_tx.pkg**
    - **bpu4000\_4kpost.pkg**
    - **bpu4000\_2kpost.pkg**
    - **bpu4000\_sdp.pkg**
- USB memory

## 1. UPGRADING APPLICATION

### [Preparations]

Copy the update data to the USB drive using the following procedure.

1. Create the following directory in the USB drive.  
**\MSSONY\PRO\CAMERA\BPU4000**
2. Copy the data file for update “**bpu4000\_app.pkg**” to the directory created.

### [Procedure]

1. Connect the USB drive that contains the program for update to the USB connector of this unit.
2. Turn on the power of the unit.
3. Open the **<SOFTWARE PACKAGE>** page of the SERVICE menu. (Refer to the Service Manual Section “4-1-2. Starting and Exiting the SERVICE Menu” .)
4. Select “**CAMERA APP**” and then press the control knob.
5. A message “UPDATE OK?” appears. Select “YES.”
  - The unit restarts automatically and the version update starts.
  - Upon completion of the version update, a message “UPDATE SUCCEEDED” appears.
6. Turn off and on the power of the unit and confirm that the version has been updated on the **<SOFTWARE PACKAGE>** page of the SERVICE menu.

NOTE: For the new version number refer to the table in the **DESCRIPTION** section.

## 2. UPGRADING PLD

### [Preparations]

Copy the update data to the USB drive using the following procedure.

1. Create the following directory in the USB drive.  
**\MSSONY\PRO\CAMERA\BPU4000**
2. Copy the following data file for update to the directory created.
  - **bpu4000\_tx.pkg**
  - **bpu4000\_4kpost.pkg**
  - **bpu4000\_2kpost.pkg**
  - **bpu4000\_sdp.pkg**

### [Procedure]

1. Connect the USB drive that contains the program for update to the USB connector of this unit.
2. Turn on the power of the unit.
3. Display the **<PLD PACKAGE>** page of the SERVICE menu. (Refer to the Service Manual Section “4-1-2. Starting and Exiting the SERVICE Menu” .)
4. Select the “**TX**” PLD and then press the control knob.
5. A message “UPDATE OK?” appears. Select “YES.”  
The unit restarts automatically and the version update starts.  
Upon completion of the version update, a message “UPDATE SUCCEEDED” appears.
6. Turn off and on the power of the unit and confirm that the version has been updated on the **<PLD PACKAGE>** page of the SERVICE menu.  
NOTE: For the new version number refer to the table in the **DESCRIPTION** section.
7. Repeat steps 3 to 6 while selecting the following PLD during step 4.
  - **4K-POST**
  - **2K-POST**
  - **SDP**

## CONFIRMATION

1. Connect the camera to the BPU, and confirm that the system operates correctly.