



# Broadcast Products Technical Bulletin 20-2015-109

DATE: **June 8, 2015**SUBJECT: **SOFTWARE UPGRADE—VERSION 2.02**MODEL: **CA4000**  
**CA4000****DESCRIPTION**

Software version 2.02 is available.

SERIAL NO:

CA4000 10,001–10,084

30,001–30,014

*CA4000 40,001–40,027*

**NOTE:** Both CA4000 and BPU4000 must be upgraded to V2.0 or higher when used together.

*Italicized information in green applies to customers outside the United States.*

**SOFTWARE REQUIRED**

| Part No.  | Description           | Qty. |
|-----------|-----------------------|------|
| FCA400002 | CA4000 Software V2.02 | 1    |

**ORDERING INFORMATION**

To order upgrades, contact:

Sony SoftwarePLUS®

(800) 538-7550

[www.sony.com/softwareplus](http://www.sony.com/softwareplus)

**Customers outside the United States:** *Please order parts or upgrades from your usual supplier.*

**NOTE:** The software is available by download from the SoftwarePLUS website above.

**NEW FEATURES SUMMARY**

- F65 support
- F65 with 4K ×2 frame rate support (optional SZC-2002 required)
- PMW-F55 with HD ×6 frame rate support (optional SZC-2002 required)
- DVF mono mode
- Gray image output with no video signal
- S-Log2 support
- Change in shutter indication similar to HDC2000 series

HDCM14-025R2

## NEW FEATURES DETAILS

### F65 Support

Connection with F65 is supported. By connecting to F65 via the SKC-4065 F65 adapter, a 4K system can be configured with CA4000/BPU4000 and an 8K system can be configured with CA4000/BPU8000. (See Figure 1.)



Figure 1

When the camera connected is changed between PMW-F55 and F65, set CA4000 > MAINTENANCE > CHU MODE to the appropriate camera connected, then set CHU MODE in BPU accordingly. (See Figure 2.)

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**NOTE:** If the camera setting for CHU MODE does not match the camera setting for CHU MODE in the BPU, the warning message "PLEASE CONFIRM CHU MODE ON BPU" appears on the BPU menu.

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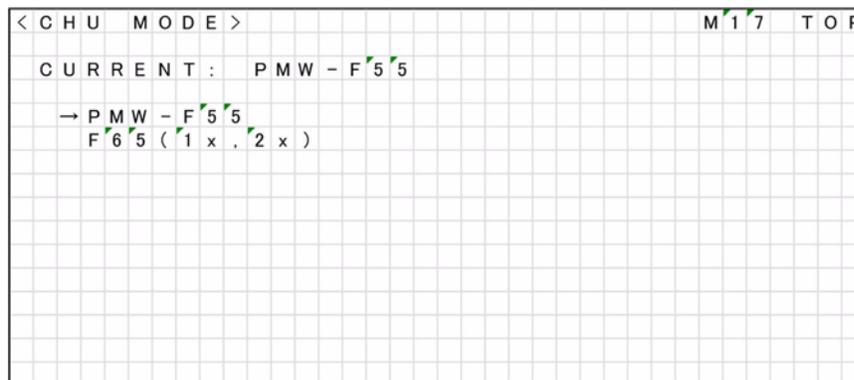


Figure 2

### F65 with 4K ×2 Frame Rate Support

4K ×2 frame rate is supported with a system consisting of F65, SKC-4065, CA4000, and BPU4000.

Supported format: 4K 119.88P, 100P

To enable F65 4K ×2 frame rate:

1. Set CA4000 > MAINTENANCE > CHU MODE to F65 (1×, 2×).
2. Set BPU4000 > CONFIGURATION > CHU MODE to F65 (2×).

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**NOTE:** Installation of the optional SZC-2002 is required.

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## PMW-F55 with HD x6 Frame Rate Support

HD x6 frame rate is supported by configuring with PMW-F55.  
359.64P/i, 300P/i (6x)

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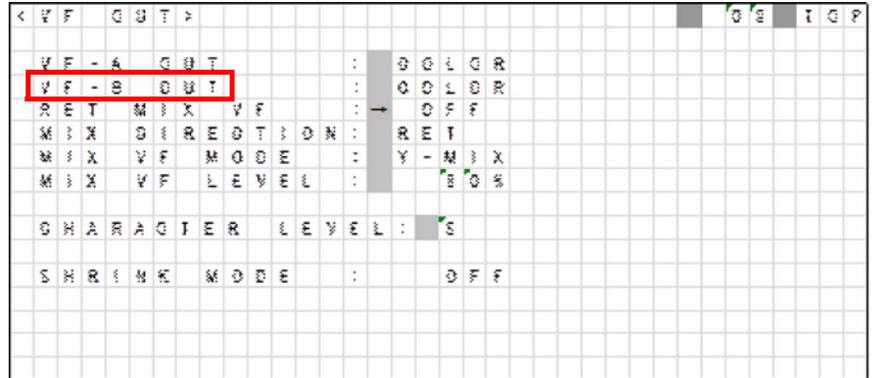
**NOTE:** Installation of the optional SZC-2002 is required.

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### DVF Mono Mode

The monochrome indication on DVF is supported. (See Figure 3.)

CA4000 Operation menu > VF OUT > VF-B OUT >  
COLOR/MONO



**Figure 3**

### Gray Image Output

When a video signal is not supplied from PMW-F55 or F65 (such as when power is OFF) a gray image is output.

### S-Log2 Support

S-Log2 output of BPU4000 is supported.

### Change in Shutter Indication

Specification for control of the shutter is changed to the SLS/Shutter/ECS switching style used for HDC2000 series cameras.

The MSU/RCP Shutter menu is supported in the Shutter tab.  
(See Figure 4.)

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**NOTE:** After upgrading, the shutter may not be displayed and therefore cannot be used. In this case:

1. Execute STANDARD from the RCP or other equipment first.
  2. Turn unit power OFF and ON.
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Figure 4

## UPGRADE PROCEDURE

### NOTE:

- Refer to the maintenance manual, section 1-8, "Upgrading Software Programs."
- Upgrade CAMERA APP software first, then upgrade PLD data.

### Prepare Software

Copy downloaded software and PLD data to a USB drive in the following folder:

MSSONY\PRO\CAMERA\CA4000

### Upgrade CAMERA APP Software

1. Connect the USB drive containing the new software.
2. Turn unit power ON.
3. Select SERVICE > SOFTWARE PACKAGE.
4. Confirm that the question mark (?) cursor is displayed to the left of the page number, then press and hold the ENTER button.
5. Select CAMERA APP, then press the ENTER button.
6. The message VERSION UP OK? appears. Select YES.  
The unit restarts automatically, and the version update starts. Upon completion, the message UPDATE SUCCEEDED appears.
7. Turn unit power OFF and ON.

## Upgrade PLD Data

1. Connect the USB drive containing the new software.
2. Turn unit power ON.
3. Select SERVICE > PLD PACKAGE.
4. Confirm that the question mark (?) cursor is displayed to the left of the page number, then press and hold the ENTER button.
5. Select the PLD to be upgraded, then press the ENTER button.
6. The message VERSION UP OK? appears. Select YES.  
The unit restarts automatically, and the version update starts. Upon completion, the message UPDATE SUCCEEDED appears.
7. Turn unit power OFF and ON.

## CONFIRMATION

1. In the DIAGNOSIS > ROM VERSION menu, confirm that CAMERA APP software is updated as follows:  
CAMERA APP      V2.02
2. In the SERVICE > PLD PACKAGE menu, confirm that PLDs are updated as follows:  
SY                      V2.00  
PROP                    V2.00  
ENC                     V2.00  
ENC(F65)              V2.00  
ENC(F65 2X)          V2.00  
TX                       V2.00
3. Execute FILE > REFERENCE FILE > ALL PRESET.