

SONY®

4K UPGRADE SOFTWARE

SZC-4001

SZC-4001M

SZC-4001W

USER'S GUIDE English
1st Edition

Overview

SZC-4001/4001M/4001W 4K Upgrade Software is optional software that provides support for additional shooting formats for the Sony HDC4300 Color Camera. Signal processing and output of images is performed by the connected BPU4000 Baseband Processor Unit.

SZC-4001/4001M/4001W software adds support for shooting and transmission in 4K/23.98P, 24P, 25P, 29.97P, 50P, and 59.94P.

The SZC-4001M can be used for 30 days.
The SZC-4001W can be used for 7 days.

Note

Counting of the period of use starts from the day after the software is installed. You can check the remaining usage period on the <OPTION KEY> page.

Installation

1 Create a key file.

Create a text file that includes the software installation key and change the filename to “hdc4300.key.”
Note that the extension is “.key.”

Key file format

- You can describe multiple installation keys in a single key file (hdc4300.key). Invalid keys are ignored in the installation process.
- Describe only one installation key on a single line.
- Any description between “#” or “;” and the line break is read as a comment.

Example of hdc4300.key

```
# A Studio
# CAM1
c51caee92a3d1d77

# CAM2
2897f1db294d70ae

; Studio B
bd9dc931db917f25 : CAM1
6fe3ebd3f4ba3635 : CAM2
```

Note

All the keys are installed by describing multiple keys for which the period of use is limited, and the period of use for the software is set according to the number of installed keys.

2 Copy the key file.

Create a \MSSONY\PRO\CAMERA\HDC4300 folder on a USB flash drive and copy “hdc4300.key” to that folder.

For information on usable types of USB flash drives, refer to the OPERATION MANUAL of the camera.

3 Install the key file.

Connect the USB flash drive to the USB connector, and install the key file on the camera using the <OPTION KEY> page of the MAINTENANCE menu.

For details on menu operations, refer to the OPERATION MANUAL of the camera.

```
<OPTION KEY>          M17 TOP
  →READ (USB→CAM)
EFFECTIVE FUNCTION
```

When the key file is installed on the camera, the name of the installed key file appears in the <OPTION KEY> page's EFFECTIVE FUNCTION column.

Example of SZC-4001

```
<OPTION KEY>          M17 TOP
  →READ (USB→CAM)
EFFECTIVE FUNCTION
  4K FORMAT
```

Example of SZC-4001M/4001W

```
<OPTION KEY>          M17 TOP
  →READ (USB→CAM)
EFFECTIVE FUNCTION
  4K FORMAT    [10/17-10/24]
```

The period of use is displayed for software which has a limited period of use.

Note

For software whose period of use is limited to 7 days or 30 days, you cannot install the same key as a key

that is already installed, and you cannot uninstall a key that is already installed.

4 Confirm the result of installation.

Restart the camera and check the <SERIAL NO.> page of the DIAGNOSIS menu.

When the installation is successfully completed, the name of the installed key file appears in the EFFECTIVE FUNCTION column.

```
<SERIAL NO.>          D04 TOP
MODEL : HDC4300
NO    : 100001
EFFECTIVE FUNCTION :
  4K FORMAT
```

SZC-4001/4001M/4001W

Installing SZC-4001/4001M/4001W software on the HDC4300 enables shooting and transmission in the following 4K formats, with the 4K images being output from the connected BPU4000 Baseband Processor Unit.

- 4K/23.98P
- 4K/24P
- 4K/25P
- 4K/29.97P
- 4K/50P
- 4K/59.94P

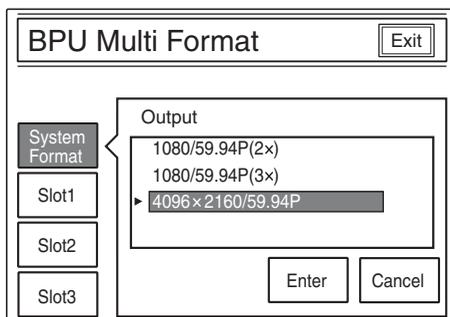
The signal format can be selected in the master setup unit (MSU) menu or the BPU4000 menu.

The following describes how to select 4K/59.94P as an example. (Connect a compatible camera control unit to the BPU4000, and set the format of the camera control unit to 1080/59.94P.)

<OUTPUT FORMAT>		C02 TOP
SYSTEM FORMAT		
RESOLUTION :	→4096x2160	
FREQUENCY :	59.94	
SLOT1 :	C 4096x2160 2SI	3G (Lv-B)
SLOT2 :	C 3840x2160 SQD	3G (Lv-A)
SLOT3 :	M 1920x1080 EC	3G (Lv-B)
SLOT4 :	M 1920x1080 EC	HD-SDI
CCU :	1920x1080	
WIDE D-RANGE :	OFF	
S-LOG OUT :	---	
HD CUTOUT :	OFF	

Selecting the signal format using the MSU menu

- 1 Display the <BPU Multi Format> page of the Config menu.
- 2 Select “System Format.”
A list of signal formats that can be selected appears.
- 3 Select “4096x2160/59.94P” and press Enter.



Selecting the signal format using the BPU4000 menu

- 1 Display the <OUTPUT FORMAT> page of the CONFIGURATION menu on the BPU4000.
- 2 Set the “SYSTEM FORMAT” parameters to the following values (see following diagram).

RESOLUTION: 4096x2160

SZC-4001 (WW)
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SZC-4001W (WW)
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Sony Corporation

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