

SONY®

CAMERA OPERATING SOFTWARE

HZC-PSF20

HZC-PRV20

HZC-DFR20

USER'S GUIDE English

1st Edition

Overview

The HZC-PSF20/HZC-PRV20/HZC-DFR20 Camera Operating Software is optional software that enables the Sony HD Color Camera HDC2000 series to support additional output formats.

These formats can also be output from a compatible CCU.

The HZC-PSF20 Camera Operating Software supports 1080/29.97PsF, 1080/25PsF, 1080/23.98PsF, and 1080/24PsF formats.

The HZC-PRV20 Camera Operating Software supports 1080/59.94P and 1080/50P formats.

The HZC-DFR20 Camera Operating Software supports 1080/119.88i (1080/59.94i×2), 1080/100i (1080/50i×2), 720/119.88P (720/59.94P×2), and 720/100P (720/50P×2) formats.

Slow-motion playback is achieved by recording at 2× speed to a recording device, and then performing playback at normal speed.

Installation

1 Create a key file.

Create a text file that includes the software installation key and change the filename to “hdc2000.key.”

Note that the extension is “.key.”

Key file format

- You can describe multiple installation keys in a single key file (hdc2000.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 hdc2000.key

```
# A Studio
# CAM1
c51caee92a3d1d77

# CAM2
2897f1db294d70ae

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

2 Copy the key file.

Create a \MSSONY\PRO\CAMERA\HDC2000 folder on a USB drive and copy “hdc2000.key” to that folder.

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

3 Install the key file.

Connect the USB 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)
INSTALLED OPTION

```

When the key file is installed on the camera, the name of the installed key file appears in the <OPTION KEY> page's INSTALLED OPTION column. The illustrations below give an example of the indication when HZC-PSF20 is installed. The indication will vary depending on the key file that you install.

Model	Indication
HZC-PSF20	PsF ADDITION
HZC-PRV20	1080P ADDITION
HZC-DFR20	×2 ADDITION

```

<OPTION KEY>      M17 TOP
  →READ (USB →CAM)
INSTALLED OPTION
  PsF ADDITION

```

4 Confirm the result of installation.

Restart the camera and check the OPTION display on the <SERIAL NO.> page of the DIAGNOSIS menu. When the installation is successfully completed, the name of the installed key file appears in the <OPTION> column.

```

<SERIAL NO.>      D04 TOP
MODEL: HDC2400
NO    : 100001
OPTION:
  PsF ADDITION

```

HZC-PSF20

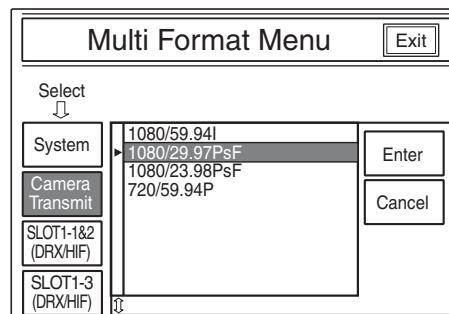
By installing HZC-PSF20, in addition to 1080/59.94i, 1080/50i, 720/59.94P, and 720/50P formats, you can use 1080/29.97PsF, 1080/25PsF, 1080/23.98PsF, and 1080/24PsF formats.

To select a format, use the menu of the MSU (Master Setup Unit) when the camera is connected to the system, or use the menu of the camera when the camera is used on a stand-alone basis.

As an example, the following describes how to select 1080/29.97PsF format.

When the camera is connected to the system

Select "Camera Transmit" on the Multi Format Menu page of the MSU, then select "1080/29.97PsF."



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

When the camera is used on a stand-alone basis

Select "29.97PsF" on the <OUTPUT FORMAT> page of the MAINTENANCE menu.

```

<OUTPUT FORMAT>  M09→TOP
CURRENT
1080-59.94i

[1080]
  59.94i      50i
  →29.97PsF   25PsF
  23.98PsF    24PsF

[720]
  59.94P      50P

```

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

HZC-PRV20

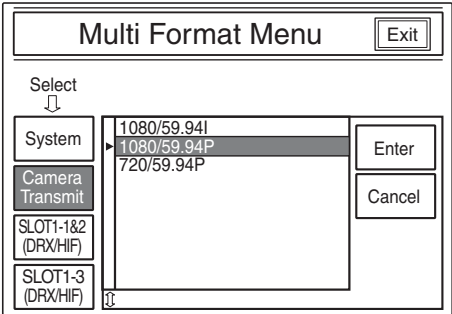
By installing HZC-PRV20, in addition to 1080/59.94i, 1080/50i, 720/59.94P, and 720/50P formats, you can use 1080/59.94P and 1080/50P formats.

To select a format, use the menu of the MSU (Master Setup Unit) when the camera is connected to the system, or use the menu of the camera when the camera is used on a stand-alone basis.

As an example, the following describes how to select 1080/59.94P format.

When the camera is connected to the system

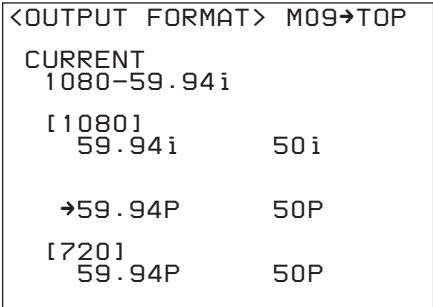
Select “Camera Transmit” on the Multi Format Menu page of the MSU, then select “1080/59.94P.”



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

When the camera is used on a stand-alone basis

Select “59.94P” on the <OUTPUT FORMAT> page of the MAINTENANCE menu.



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

HZC-DFR20

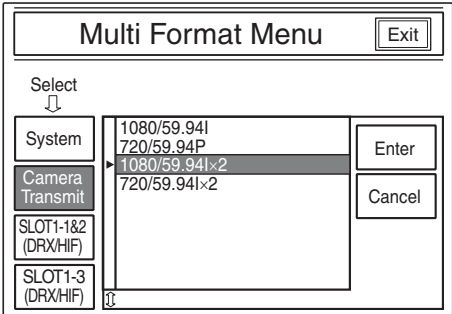
By installing HZC-DFR20, in addition to 1080/59.94i, 1080/50i, 720/59.94P, and 720/50P formats, you can use 1080/59.94i×2, 1080/50i×2, 720/59.94P×2, and 720/50P×2 formats.

To select a format, use the menu of the MSU (Master Setup Unit) when the camera is connected to the system, or use the menu of the camera when the camera is used on a stand-alone basis.

As an example, the following describes how to select 1080/59.94i×2 format.

When the camera is connected to the system

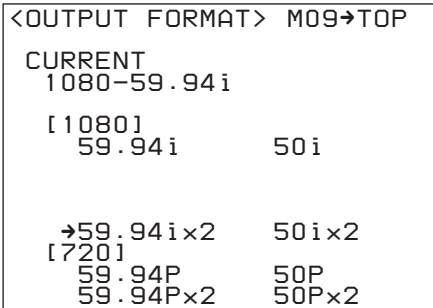
Select “Camera Transmit” on the Multi Format Menu page of the MSU, then select “1080/59.94i×2.”



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

When the camera is used on a stand-alone basis

Select “59.94i×2” on the <OUTPUT FORMAT> page of the MAINTENANCE menu.



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

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