

## Firmware Update Procedure

Multi-Purpose Camera

# *ME20F-SH*



This document explains the procedure and cautionary notes for updating (overwriting) the firmware of the ME20F-SH Multi-Purpose Camera.

\*Firmware is software installed to control the equipment. It is the firmware that handles many of the camera's operations, such as shooting or image processing.

### **IMPORTANT: Precautions for updating the firmware**

If the firmware update is not performed correctly, **the camera may stop working.**

Please be sure to carefully read the important points below, and perform operations in accordance with the following operating procedure.

- All camera settings will be reset when you perform the firmware update.
- It is not possible to revert the firmware back to a previous version after you have performed the firmware update.
- Please be absolutely sure NOT to operate the camera buttons or remove the camera's power source during the firmware update. **Doing so may cause the camera to malfunction.**

## Step 1: Prepare items required for the firmware update

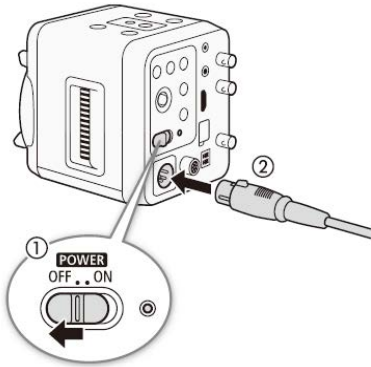
To start with, please prepare the following items.

- ☐ Camera Body ME20F-SH
- ☐ Computer (Windows: 10, 8.1, 8, 7 SP1 / Mac OS: 10.7 to 10.14)
- ☐ Memory card (commercially available 64MB or higher capacity microSD / microSDHC / microSDXC cards)
- ☐ Memory card reader/writer (commercially available type that supports microSD cards)
- ☐ External power supply (DC output: 11V to 17V DC, Current output: 3A or higher)
- ☐ Power cable (commercially available)
- ☐ External monitor (commercially available)
- ☐ External monitor connection cable (commercially available)

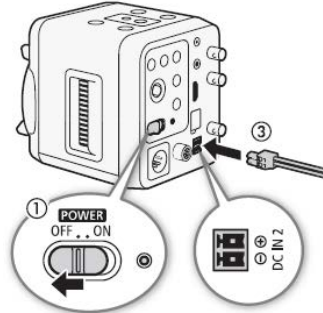
## Step 2: Check the current firmware version

Check whether or not the update applies to the camera's current firmware version.

1. Set the POWER switch to OFF (①).
2. Connect the 4-pin XLR connector to the DC IN 1 terminal (②), or insert the power connector into the DC IN 2 terminal (③).

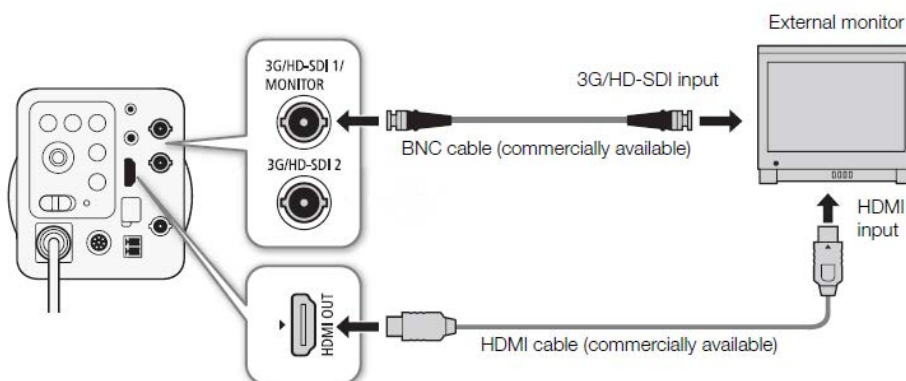


■ Using the DC IN 1 terminal



■ Using the DC IN 2 terminal

3. Connect the camera to an external monitor using the 3G/HD-SDI 1 / MONITOR terminal or the HDMI OUT terminal.

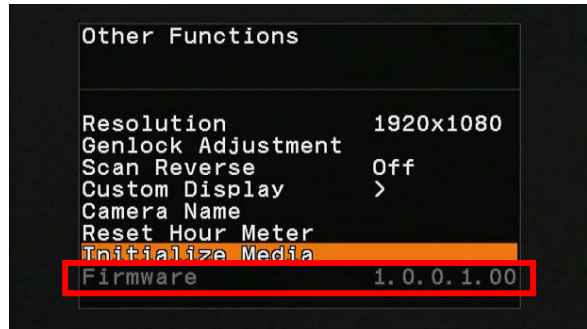
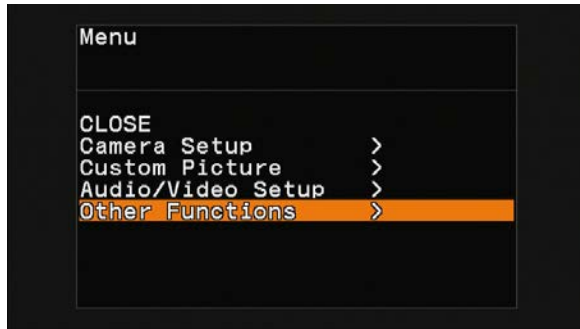


- When connecting the camera using the 3G/HD-SDI 1 / MONITOR terminal:  
Use a commercially available BNC cable.
- When connecting the camera using the HDMI OUT terminal:  
Use a commercially available HDMI cable.

4. Set the POWER switch to ON to turn on the camera.
  - The POWER indicator will illuminate in green while the camera is on.



5. Press the MENU button, and then select [Other Functions] ➤ [Firmware] to check the firmware version.
- The current camera firmware version will appear on the screen.



**If the version number is 1.0.5.1.00:**

⇒ Firmware update is not required (the firmware has already been updated).

**If the version number is 1.0.4.1.00 or earlier:**

⇒ The firmware can be updated by following the procedure from Step 3 onwards.

6. Press the MENU button, and slide the POWER switch to OFF to turn off the camera.



## Step 3: Prepare the microSD card to be used for the firmware update

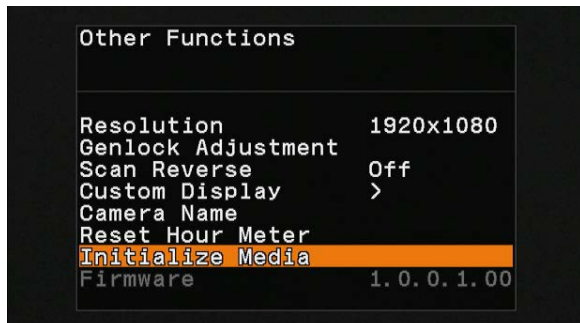
As preparation before the update, first initialize the microSD card, and then use a computer to copy the downloaded update data to the microSD card.

### Caution

When you initialize the microSD card, all of the data saved on it will be erased. Please save any important data on the microSD card to your computer or somewhere else before initializing the microSD card. In addition, if you perform the firmware update with data remaining on the microSD card, it could cause the camera to malfunction. Make sure you initialize the microSD card before performing the update.

### Initialize the microSD card with the camera

1. Remove the screw from the memory card cover (marked as "CARD") on the back of the camera, and then open the cover.
2. Insert the microSD card into the camera's microSD card slot.
3. With the POWER switch set to OFF, connect the camera to an external power supply and an external monitor (refer to Steps 2-1 to 2-3).
4. Set the POWER switch to ON to turn on the camera (refer to Step 2-4).
5. Press the MENU button, select [Other Functions] ► [Initialize Media], and then press the joystick.



6. Select [OK] and then press the joystick to initialize the memory card.
  - The microSD card will be initialized and all the data it contains will be erased.



7. Press the joystick to select [OK].

- After the initialization ends, the completion screen will be displayed.



8. Press the MENU button, slide the POWER switch to OFF, and then remove the microSD card.

## Copy the firmware update data to the microSD card

Use a computer to copy the firmware update data to the microSD card initialized on the camera. For computer operations, please refer to the procedure below corresponding to your computer's OS (Windows or Mac OS).

### For Windows:

1. Insert the initialized microSD card into a card reader.

- A [CANON] icon will be displayed in [Devices with Removable Storage] under [Computer].

2. To copy the data, drag & drop the [VLF5.FIM] update data to the [CANON] icon.

#### Caution

Please be sure to copy the update data to the root directory of the [CANON] microSD card.

3. After copying the data, open the folder by double-clicking the [CANON] icon.

- If the [VLF5.FIM] file (the firmware update data) is there, the copying process is complete.

### For Mac OS:

1. Insert the initialized microSD card into a card reader.

- A [CANON] icon will be displayed on the desktop.

2. To copy the data, drag & drop the [VLF5.FIM] update data to the [CANON] icon.

#### Caution

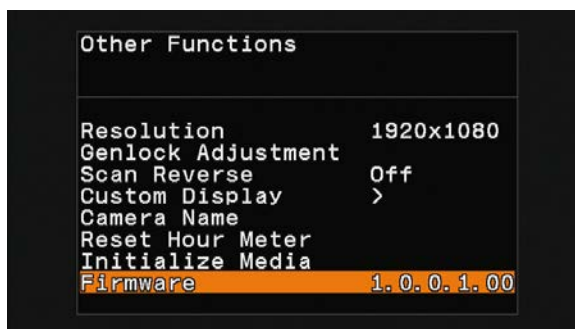
Please be sure to copy the update data to the root directory of the [CANON] microSD card.

3. After copying the data, open the folder by double-clicking the [CANON] icon.

- If the [VLF5.FIM] file (the firmware update data) is there, the copying process is complete.

## Step 4: Update the camera to the new firmware

1. Remove the screw from the memory card cover on the back of the camera, and then open the cover.
2. Insert the microSD card prepared in Step 3 into the camera's microSD card slot.
3. With the POWER switch set to OFF, connect the camera to an external power supply and an external monitor (refer to Steps 2-1 to 2-3).
4. Slide the POWER switch to ON to turn on the camera (refer to Step 2-4)
5. Press the MENU button, select [Other Functions] ► [Firmware], and then press the joystick.
  - The firmware update confirmation screen will be displayed.



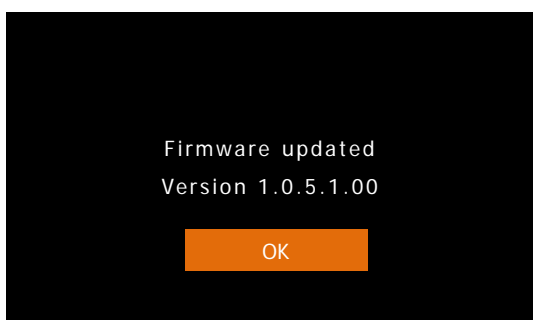
6. When you select [OK] and then press the joystick, the firmware update will start.



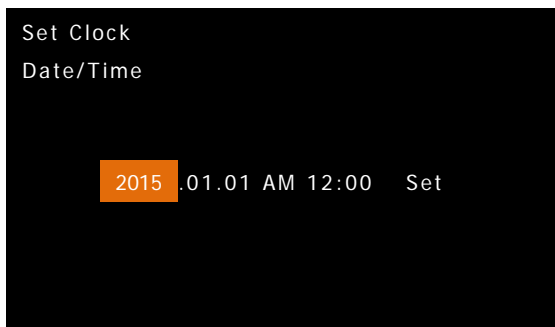
### Caution

The firmware update takes approximately **7 minutes** to complete. During the update, please do not turn off the camera or operate any of its controls. Doing so may cause the camera to malfunction.

- After the update ends, the camera will restart automatically, and a firmware update completion screen will be displayed.



7. When you select [OK] and then press the joystick, all settings will be reset and the [Date/Time] screen will appear, so please set the date/time.



8. Perform Step 2, and check that the firmware version has changed to [1.0.5.1.00].
9. Slide the POWER switch to OFF, and then remove the microSD card.
10. Attach a screw to the memory card cover on the back of the camera, and then close the cover.

**This completes the firmware update.**

**Caution**

- Make sure to initialize the microSD card used for the firmware update before using it again (refer to Step 3). In addition, please delete the downloaded firmware from your computer.
- If the firmware update does not finish normally, or if the camera no longer starts normally, please contact our camera repair center.