Section 5
Software Upgrade

5-1. Upgrading Software Programs

Software programs stored in the ROM (IC401) on the AT-195 board are upgraded by using a USB drive.
The software programs include camera application and operating system (OS), which is independently upgraded.
Use the following procedures to upgrade the software programs.

5-1-1. Upgrading Camera Application

Equipment Required

USB drive (commercially available)

| Tip |

For recommended USB drive, refer to "Using a USB Drive" on the operating instructions.

Preparation

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

| Note |

As for how to obtain the data file for update (hdc3000_app.pkg), contact your local Sony Sales Office/Service Center.
1. Create the following directory in the USB drive.
   ¥MSSONY¥PRO¥CAMERA¥HDC3000
2. Copy the data file for update "hdc3000_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. Display the ROM VERSION page of the DIAGNOSIS menu.
4. Confirm that the cursor "?" is displayed to the left of D03, and then press ENTER button long.
5. Updatable items become selectable. Select "CAMERA APP" and then press ENTER button.
6. A message "VERSION UP OK?" appears. Select "YES".
7. The unit restarts automatically and the version update starts.
   Upon completion of the version update, a message "UPDATE SUCCEEDED" appears.
8. Turn off and on the power of the unit and confirm that the version has been updated on the ROM VERSION page of the DIAGNOSIS menu.

5-1-2. Upgrading OS

Equipment Required
USB drive (commercially available)

Tip

For recommended USB drive, refer to "Using a USB Drive" on the operating instructions.

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

Note

As for how to obtain the data file for update (hdc3000_os.pkg), contact your local Sony Sales Office/Service Center.
1. Create the following directory in the USB drive.
   ¥MSSONY¥PRO¥CAMERA¥HDC3000
2. Copy the data file for update "hdc3000_os.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. Display the ROM VERSION page of the DIAGNOSIS menu.
4. Confirm that the cursor "?" is displayed to the left of D03, and then press ENTER button long.
5. Updatable items become selectable. Select "OS" and then press ENTER button.
6. A message "VERSION UP OK?" appears. Select "YES".
7. The unit restarts automatically and the version update starts.
   Upon completion of the version update, a message "UPDATE SUCCEEDED" appears.
8. Turn off and on the power of the unit and confirm that the version has been updated on the ROM VERSION page of the DIAGNOSIS menu.

5-1-2. Upgrading UPDATER

Equipment Required
USB drive (commercially available)

Tip

For recommended USB drive, refer to "Using a USB Drive" on the operating instructions.

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

Note

As for how to obtain the data file for update (hdc3000_updater.pkg), contact your local Sony Sales Office/Service Center.
1. Create the following directory in the USB drive.
   ¥MSSONY¥PRO¥CAMERA¥HDC3000
2. Copy the data file for update "hdc3000_updater.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. Display the ROM VERSION page of the DIAGNOSIS menu.
4. Confirm that the cursor "?" is displayed to the left of D03, and then press ENTER button long.
5. Updatable items become selectable. Select "UPDATER" and then press ENTER button.
6. A message "VERSION UP OK?" appears. Select "YES".
7. The unit restarts automatically and the version update starts.
   Upon completion of the version update, a message "UPDATE SUCCEEDED" appears.
8. Turn off and on the power of the unit and confirm that the version has been updated on the ROM VERSION page of the DIAGNOSIS menu.

5-2. PLD

This unit uses the PLD (Programmable Logic Device) that supports USB drive to write and rewrite the internal data.
If the part listed below needs to be replaced or to be upgraded, contact your local Sony Sales Office/Service Center.

Note

The part numbers of PLD (or ROM for PLD) shown in "9. Spare Parts" are the ones in which data is not written yet.
Therefore, if part replacement is required, write the data by the following procedure.
In the case of the PLD type that runs on the program stored in external ROM, not a data writing but instead parts replacement is needed only if the specific PLD is defective.

5-2-1. Corresponding PLD

PLD (Ref. No./Board Name)	File Name
IC1001/SY-463 IC1002/SY-463[*1]	hdc3000_sy.pkg
IC1100/DPR-390 IC1101/DPR-390[*2]	hdc3000_dpr.pkg
IC200/TX-164 IC315/TX-164[*3]	hdc3000_txm.pkg
IC1001/CD-91 IC1101/CD-91[*4]	hdc3000_cd1.pkg
IC1001/CD-91 IC2101/CD-91[*5]	hdc3000_cd2.pkg
IC200/TX-165 IC308, IC316/TX-165[*6]	hdc3000_txh.pkg
IC3001/IF-1372 IC4001/IF-1372[*7]	hdc3000_.pkg

*1:   IC1102/SY-463 is the ROM for IC1001/SY-463.

*2:   IC1101/DPR-390 is the ROM for IC1100/DPR-390.

*3:   IC315/TX-164 is the ROM for IC200/TX-164.

*4:   IC1101/CD-91 is the ROM for IC1001/CD-91.

*5:   IC2101/CD-91 is the ROM for IC2001/CD-91.

*6:   IC308, IC316/TX-165 is the ROM for IC200/TX-165.

*7   IC4001/IF-1372 is the ROM for IC3001/IF-1372.

5-2-2. Upgrading PLD Data

Equipment Required

USB drive (commercially available)

Tip

For recommended USB drive, refer to "Using a USB Drive" on the operating instructions.

Preparation

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

Note

As for how to obtain the data file for update (hdc3000_sy.pkg, hdc3000_dpr.pkg, hdc3000_txm.pkg, hdc3000_cd1.pkg, hdc3000_cd2.pkg), contact your local Sony Sales Office/Service Center.
1.   Create the following directory in the USB drive.
      ¥MSSONY¥PRO¥CAMERA¥HDC3000
2.   Copy the data files for PLD update to be updated 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.   Display the "ROM VERSION" page of the DIAGNOSIS menu.
4.   Confirm that the cursor "?" is displayed to the left of D03, and then press ENTER button long.
5.   Updatable items become selectable. Select the PLD to be updated and then press ENTER button.

6. A message "VERSION UP OK?" appears. Select "YES".
7. The unit restarts automatically and the version update starts.
   Upon completion of the version update, a message "UPDATE SUCCEEDED" appears.
8. Turn off and on the power of the unit and confirm that the version has been updated on the "ROM VERSION" page of the DIAGNOSIS menu.

5-3. Forced Version Update

If the version of program or data cannot be updated from the ROM VERSION page of the DIAGNOSIS menu, the software or PLD data version can be updated by the "forced version update".

5-3-1. Forced Version Upgrade of Software or PLD Data

Equipment Required

USB drive (commercially available)

Tip

For recommended USB drive, refer to "Using a USB Drive" on the operating instructions.

Preparation

Copy the software or PLD data version update data file to the USB drive using the following procedure.

Note

As for how to obtain the data files for update, contact your local Sony Sales Office/Service Center.

1. Create the following directory in the USB drive.
    ¥MSSONY¥PRO¥CAMERA¥HDC3000
2. Copy the data file for update to be updated to the directory created.

    Note

    Do not copy the software or PLD data that is not to be updated.

Procedure

1. Connect the USB drive that contains the program for update to the USB connector of this unit.
2. While pressing the RET 2 button and rotary encoder on the front panel, turn on the power of the unit.
    Each data file for update copied in the USB drive is updated.

    Tip

    The version update progress status is displayed on the viewfinder.
3. Upon completion of the version update, a message "UPDATE SUCCEEDED" appears.
4. Turn off and on the power of the unit and confirm that the version has been updated on the "ROM VERSION" page of the DIAGNOSIS menu.