Sony Corporation   No.   HDCM10-051R-TN

Technical News

Issued：November 29, 2010

Revised：November 29, 2010

Subject: Software Release Info. (V2.06 => V2.11)

Applicable Model(s) (Destination)	Serial Number(s)	Number of Unit(s)
HDC1000R/LB CED		
HDC1000R/LB JN3		
HDC1000R/LB1CED		
HDC1000R/LB1JN3		
HDC1000R/LCBJ4		
HDC1000R/LCWJ4		
HDC1000R/LM1J4		
HDC1000R/LS1J4		
HDC1000R/LW CED		
HDC1000R/LW JN3		
HDC1000R/LW1CED		
HDC1000R/LW1JN3		
HDC1000R/TB J4		
HDC1000R/TB1J4		
HDC1000R/TCBJ4		
HDC1000R/TCWJ4		
HDC1000R/TM1J4		
HDC1000R/TS1J4		
HDC1000R/TW J4		
HDC1000R/TW1J4		
HDC1100R/TB J4		
HDC1100R/TB1J4		
HDC1100R/TCBJ4		
HDC1100R/TCWJ4		
HDC1100R/TM1J4		
HDC1100R/TS1J4		
HDC1100R/TW J4		
HDC1100R/TW1J4		
HDC1400R//ULCED		
HDC1400R/L JN3		
HDC1400R/L1 JN3		
HDC1400R/T E33		
HDC1400R/T JN4		
HDC1400R/T1 E33		
HDC1400R/T1 JN4		
HDC1400R=UL1CED		
HDC1400R=UL2CED		
HDC1450R//UFCED		
HDC1450R/K UC7		
HDC1450R/K1 UC7		
HDC1450R=UF1CED		
HDC1450R=UF2CED		
HDC1500R&LD CED		

Applicable Model(s) (Destination)	Serial Number(s)	Number of Unit(s)
HDC1500R//ULCED		
HDC1500R/L SYL		
HDC1500R/L1 SYL		
HDC1500R/LD SYL		
HDC1500R/T E33		
HDC1500R/T JN4		
HDC1500R/T1 E33		
HDC1500R/T1 JN4		
HDC1500R/TD E33		
HDC1500R/TD JN4		
HDC1500R=UL1CED		
HDC1500R=UL2CED		
HDC1550R//UFCED		
HDC1550R/K UC7		
HDC1550R/K1 UC7		
HDC1550R=UF1CED		
HDC1550R=UF2CED		
HDC1580R/L CNB		
HDC1580R/L1 CNB		
HDC1580R/T CNB		
HDC1580R/T1 CNB		
HDC1600R/L J4		
HDC1600R/L1 J4		
HDC1600R/T J4		
HDC1600R/T1 J4		

[Description]

We have released the upgraded version of the HDC1000R series firmware and PLD.
Upgrade the firmware and PLD when you want to realize the following change points.
* Note: The following firmware and PLD are dedicated to the HDC1000R series.
Do not use the firmware and PLD on the HDC3300R/HDCU3300R or HDC1000 series or HDC3300/HDCU3300.

● Version number after upgrade with this Technical News:
(Common to all of HDC1000R/1100R/1400R/1450R/1500R/1550R/1580R/1600R)
Firmware   V2.11
PLD [DAP-33A]   V4.10
PLD [DPR-265A]   V3.02
(HDC1000R/1100R/1400R/1500R/1580R/1600R)
PLD [SDI-84A]   V2.11

[Change Points]

<New Features>
1. Support for lens metadata
The feature of superimposing the zoom, focus and iris data of lenses on the SDI signal is supported.
Lens metadata is superimposed on SDI-1 output and optical fiber output, but not on SDI-2 output. For the models which only have one SDI output, the lens metadata is not superimposed on SDI output.
Therefore, there are limitations described below.
\# Lens metadata is not superimposed on HD-SDI output of HDC1400R/1450R/1550R.
\# Lens metadata cannot be transmitted from HDC1450R/1550R to CCU.
\# When the HDC1400R/1450R/1500R/1550R is connected to HDFA-200, the selection of HD-SDI output must be set to "MAIN". In this case, lens metadata cannot be transmitted to CCU, and it is not superimposed on HD-SDI output from HDFA-200, either.
\# Lens metadata can be transmitted from HDC1400R/1500R/1580R/1600R to CCU directly, without connecting HDFA-200.
2. Support for the high speed TRUNK line
Speeding up of the TRUNK line communication is enabled.
3. The feature of transmitting the skin detail gate when connected to HDFA-200 is supported.

< Error Correction >
1. When HZC-UG444 is installed and HKC-T1500 is connected, ACTIVE LINE: 1080 4:4:4 is not displayed on the <OUTPUT FORMAT> menu.
2. The communication between the HDC1450R/1550R and CCU cannot be established when the HDC1450R/1550R is started up with the different format from the CCU.

◆ **Firmware Version Upgrade**
[Preparation]
< Memory Stick >
Version upgrade is executed using a Memory Stick. Prepare one of the following types of Memory Stick.
▪ MSA-** (Memory Stick)
▪ MSG-** (MagicGate Memory Stick)
▪ MSH-** (MagicGate Memory Stick)
▪ MSX-** (Memory Stick PRO)
▪ MS-MT** (Memory Stick PRO Mark2)

▪ MSX-M** (Memory Stick PRO High Speed)
▪ MS-EX** (Memory Stick PRO-HG Duo)

< Software Files >
▪ Please contact to your local Sony's service office for obtaining the V2.11 files for the AT-163A board.

▪ The folder contains the following file.
  a) hdc1000.rom (ROM data, binary file)

▪ Create a folder having the name shown below in a Memory Stick, and copy the file specified in a) above.
  ¥MSSONY¥PRO¥CAMERA¥HDC1000

[Installation Procedure]
1. Turn on the power of the unit.
2. Insert the Memory Stick in which the version upgrade program is saved into the Memory Stick slot of the main unit.
3. Display the DIAGNOSIS menu - < ROM VERSION > page, and move the cursor so that the cursor flashes at the page number position.
4. Press and hold the ENTER switch. In approximately 3 seconds, the arrow mark "→" moves to the AT: position.   .
5. While the arrow mark "→" is pointing at AT:, press the ENTER switch. The message "VERSION UP OK?   YES → NO" is displayed.
6. Move the arrow mark "→" to YES, and press the ENTER switch. Version upgrade starts.
7. When the message "COMPLETED" appears on the < FIRMWARE UPDATE > screen, turn off the power of the camera.

[Confirmation / Adjustment]
AT-163A board version check
  Turn off the power once and turn it back on. Check that the AT firmware version is V2.11 on the DIAGNOSIS menu -=> <ROM VERUP> page.

◆ **PLD Version Upgrade**
[Preparation]
1. PLD Download Tool

2. PLD file
   (HDC1000R/1100R/1400R/1450R/1500R/1550R/1580R/1600R)
       DAP-33A   E-000-004-50-05   V4.10
       DPR-265A   E-000-004-52-05   V3.02
   (HDC1000R/1100R/1400R/1500R/1580R/1600R)
       SDI-84A   E-000-004-53-06   V2.11

 *Please contact to your local Sony's service office for obtaining the file.

[Procedure]
Use the PLD Download Tool to write the above PLD data to the respective boards.

[Confirmation]
Turn off the power once and turn it back on. Check the PLD version name of the respective boards on the DIAGNOSIS menu -=> <ROM VERUP> page.
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