[Description]

Updated firmware (V1.40) for HDC1000 series is released. Upgrade the firmware as necessary.

[Change Point]

- Add the function to adjust the offset for the RPN adjustment position
  Add the function to adjust the RPN position manually when it cannot be compensated properly for the unit with the HKCT1500 which is upgraded to support the HDC 2500 (Technical Memo: HDCM12-019R2).
- Correct the error that the optical level of the CCU would not be indicated since the "VTR" is indicated to the position where the optical level of the CCU must be indicated on the MSU.
- Add OHB Phase to the Service menu.
- Correct the error that the unit hangs up when the user menu configured by the hidden items only would be indicated.

[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-HX** and MS-EX**	(Memory Stick PRO-HG Duo)

<Software File>

File name: hdc1000.rom (ROM data, binary file)
* Obtain it from Software Download site.

- Create a folder having the name shown below in a Memory Stick, and copy the above file.
  \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 unit.
3. Display the DIAGNOSIS menu - < ROM VERSION > page, and move the cursor so that the cursor blinks 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]

Turn off the power once and turn it back on. Check that the AT firmware version is V1.40 on the DIAGNOSIS menu - [ROM VERSION] page.

[Confirmation / Adjustment]
AT-163 board version check
• Turn off the power once and turn it back on. Check that the AT firmware version is V1.32
on the DIAGNOSIS menu - [ROM VERSION] page.

[Software History]

V1.04
- Official release of initial version

V1.06
- When the Return switch is set to ON, the Skin Detail cannot be turned ON.
- Zoom servo does not work normally in the HDC-1000/-1100 and HDLA-1500 depending on the lens.
- The 3D White Shading correction is insufficient in the bottom of the screen.
- When the White Setup Mode is set to AWB, the white balance setup values in STANDARD and AUTO LEVEL are cleared to 0.
- The amount of gamma correction is doubled.
- When a lens in which the lens ID is set to F is attached to the HDLA-1500, it is incorrectly recognized as a portable lens.
- When the HDLA-1500 is installed, the SWITCH ASSIGN2 PAGE is not displayed.
- When the DOWN CONVERTER is set to POWER SAVE setup, the SD-SYNC signal is not output even when the TEST OUT setup is set to SD-SYNC.
- There are cases where the focus position is not displayed on the VF display in the HDC-1500/-1600.
- The Black Set data is saved in the Reference File.
- When the VF MENU/DISP operation is executed from the RM that is connected to CCU, the MENU switch of the HDC main unit works when the HDLA-1500 is attached.
- When the 32-scene file, which is a hidden function, is used, the FRAM is cleared and all data are erased.
- HDC-1550/K is supported.

V1.07
- When consecutive defects occur in the vertical direction, the defects cannot be compensated.
- Because a great amount of compensation error occurs due to the faulty defective pixels by the APR interlocked with the Auto Black Balance under low temperature, the temperature range setting that is used as the condition to start the APR and the threshold level setting that is used to detect defective pixel are changed.
- The adjustment range of the Skin Tone Detail does not match with that of the normal Detail. (The center value is offset, and the adjustment range in the negative (-) direction is narrow.) → It is changed to match with the adjustment range of the standard Detail.
- When the TRIAX model (HDC-1550) is started up in the standalone configuration, the filter disc malfunctions.
- HDC-1500/L CED and HDC-1550/F CED are supported.

V1.08
- HDC-1580/L CN is supported.
- HDC-1000/L CED is supported.

V1.10
- Digital extender is supported.
- Multi matrix gate is supported.
- Color temp control is supported.

control packet was incorrectly added.
- There were rare cases where vertical bar appeared in the down-converter output.
- There were cases where the command communication was disconnected momentarily or scene file could not be called when the TRIAX adapter was connected or when HDCU-900/-950 was connected.
- There was an area where the RPN correction cursor could not be moved. To correct this trouble, the range of cursor movement is changed.
- The optical light reception level had been displayed even in the HDC1550 (TRIAX built-in type).
- The MIX VF could be moved from the VF menu when the HDLA1500 was connected even though the physical switch of MIX VF was installed on the rear panel.
- The Skin Detail 1 switch display (fixed to ON) had disappeared from the <SKIN DETAIL> page of the PAINT menu.
- There were cases where the 37 MHz trap filter in the B-ch and G-ch did not work.

V1.12
- There were cases where the camera had lost synchronization momentarily when the TRIAX adapter was connected.
- When the PRESET OPERATOR was executed in the HDC1580, the FORMAT setup of the exclamation mark "!" on the VF had changed to NORMAL 1080-59.94i so that the exclamation mark "!" was displayed on VF.
- When studio camera (HDC1000/1100) is upgraded from V1.0x to V1.10 or higher, the parallel lens file is initialized. Because the lens file saving area is changed on the non-volatile memory, the new menu item enabling data recovery is added to the SERVICE2 menu in studio cameras only. .
- When a parallel lens is used with studio camera, the correct lens file is not recalled at the power-on.
- The model name HDC1000 or HDC1500 is displayed on the CNU character display due to error in the model code identification of the HDC1100/1600.
- The error that the picture immediately before is displayed when the RETURN channel is switched to other channel, is corrected.
- The TOP menu could not be displayed by the operation on the VF menu from RM.
- There are cases where the CCU side microphone ON/OFF status did not change even when the microphone ON/OFF switch of the intercom was activated. (The frequency of occurrence of this error is approximately once every 100 operations. The other symptom that the RETURN channel is not switched can also occur.)

V1.13
- HDC1400 (UC) is supported.

V1.14
- There is a trouble that the RPN correction position is incorrect in the HDC1400 when operated on 720-59.94P/50P.

V1.16
- The temperature compensation curve of the RPN detection during ABB is changed to increase accuracy of automatic RPN detection.
- The white vertical noise bar correction is supported.
- The Cursor Jump function is added to the [MANUAL RPN] page of the SERVICE menu.
- The [RPN MANAGE] page is added to the SERVICE menu.
- Clearing the VF menu by pressing and holding for 3 seconds, and clearing the reference file by pressing and holding for 10 seconds are supported.

corrected. This error is corrected.
- The error that the Step Shutter is activated and ECS is set to OFF, when AWS is executed with ECS ON is corrected.
- The error that the Black G has not been saved in the reference file is corrected.
- The error that a red line appears in the right-most end of SD-SDI output signal is corrected.
- The error that the channel selection has been set to ch1 when RET3 is set to ON by the Lens Demand is corrected to ch3.
- The Cross Color Suppression signal is changed when operation from the remote control unit is executed even though the Cross Color Suppression is not supported. This error is corrected.
- There are cases where the message "DCC ON" is displayed on the VF DISP when the Auto Knee is turned ON with the camera used in the stand-alone configuration. The display is changed to that the message "AUTO KNEE ON" is displayed.
- The character display in the TEST OUT signal has been set to OFF as default when the power is turned ON with the camera used in the stand-alone configuration. This error is corrected.
- The video field that is corrected by the Manual RPN correction has been the opposite field in the HDC1100/1600. It is corrected to the normal field. This error is corrected.
- There are trouble that the RPN correction page of MSU cannot be opened if the TEMP WARNING alarm is being issued in high temperature. This error is corrected.
- The system operation is changed so that the digital extender is set to OFF forcible while the ABB or ABS is under execution.
- The system operation is changed so that the AWS does not start up when the digital extender is ON.
- The system operation is changed so that only the enlarged area, not the entire area, of screen is detected when the AWB operation or the Skin Detail Auto Hue correction with digital extender ON.
- The system operation is changed so that only the enlarged area, not the entire area, of screen is detected when the Auto Knee operation or the Auto Iris control operation with digital extender ON.
- The system operation is changed so that the center value of the detail gain is decreased while the format is 720P.

V1.22
- The error that the Hyper-Gamma Table selection and the Noise Suppression level are not saved in the scene file during the 32-scene file mode is corrected.

V1.23
- This trouble occurs very rarely that black level deviates when the HDC1000 is operated on the format of 1080-59.94P or 1080-50P. The HDC1000 does not resume the normal operation unless the power is turned OFF once and back ON.

V1.24 (HZC-UG444 only)
- User Gamma + 4:4:4 eCSite is supported.
- It is changed so that the Master White Gain is pre-set to 0 dB at startup.
- The serial number display page is added to the DIAGNOSIS menu.

V1.26
- The following new functions that have been installed in the HDC1000R/3300R series are also installed in the HDC1000/HDC3300 series.
- ALAC function (Auto Lens Aberration Compensation) is supported.
- The VBS adjustment function is added to the MAINTENANCE menu's <TEST OUT> page.
- The <BATTERY ALARM> page is added to the MAINTENANCE menu.
- The <COLOR TEMP> page is added to the PAINT menu.