Release Notes

Model: NVS-40

2021.04.23
Firmware
Version: 1.8.9
File Name: nvs40_1_8_9_.tar.gz

Issues
1. Fixed the issue that the SRT Caller Latency is not working.
2. Fixed the issue that at the time when the GIF files are opened for the CG for the PGM and CH1 simultaneously, the system will crash if the system formatting is done at this time.

2021.03.29
Firmware
Version: 1.8.8
File Name: nvs40_1_8_8.tar

Issues
1. Fixed the issue for wrong version number.

2020.12.25
Firmware
Version: 1.8.7
File Name: nvs40_1_8_7_.tar.gz

Issues
Fixed some errors for the web user interface.

2020.08.05
Firmware
Version: 1.8.6
File Name: nvs40_1_8_6.tar

Issues
1. Fix the issue that the video recording can not be recorded in the VLC software.
2. Fix the logic for the automatic-detecting encoding setting.
3. Fix the issue that when the input source is 1080p 23.98, the Encoder column will become blank column.
4. Fix the issue that the NVS-40 will misjudge the 480p and 480i (59.94) of the DAC-70 as the 60 frame rate and this will cause the encoder to be set at 30.

5. When the 59.94 I input source is used as the input source of the NVS-40 through the DAC, the NVS-40 will misjudge the input source as 60i.

6. Fix the issue that the CG graphic can not be closed.

7. Fix the issue that some translations for the web UI contents are lacked including SRT Caller related settings and the DHCP related settings.

8. Fix the issue that when the IP Stream is received and be resent as the SRT stream, when the FPS is changed to be different as the original source, the push-stream will be stucked.

9. Fix the wrong messages of the streaming or recording, the Channel 0~3 are changed to Channel 1~4.

10. Fix the issue that the screen will be stucked when the recording is stopped or formatted. And then users need to do the burn in test repeatedly to verify that whether the file is existed or not.

11. Fix the SRT Caller default port to be port=10000 and latency=1000.

12. Fix the issue that the firmware version is shown incompletely.

13. Fix the issue that it is possible that the web UI may be stucked for a period of time when the first IP stream is switched to HDMI.

2020.03.02
Firmware
Version: 1.7.5
File Name: nvs40_1_7_5.tar.gz

Issues
1. If the source is 1080p24, the limitation for the resolution and frame rate will not be activated.

2. Fixed the issue that if the source frame rate is decreased, the streaming can be done without decreasing the encoding parameters.

3. Fixed the mosaic issue for the RTSP.

4. Fixed the issue that when the recording is done by the EXFAT format, after the hard disk is formatted in NTFS format and then pulled out and re-inserted, once the NVS-40 is reconnected to the PC, it will cause an error for non-accessing.

2020.01.14
Firmware
Version: 1.7.3
File Name: nvs40_1_7_3.tar.gz

Issues
1. Fixed the wrong audio bitrate issue for the sub encoder.

2. Fixed the noise problems for streaming by the Youtube platform.

3. The showing for the Play URL for the SRT streaming is changed to be the same as the RTSP and HLS for copying the URL easily.

4. The SRT function is added.

5. The option for the "video recording time limit 8 hours" is added.

6. Only usable frame rate and resolution can be shown for the encoder according to the source of the signal.

7. There are more hard disk information provided in the System option.

8. 59.94 and 29.97 are added for the Encoder option.

9. The Level option is simplified for the Encoder option.

10. The NTFS version is updated.

11. There are 24 GB hard disk space that will be reserved in advance to prevent the issue that the video can not be played due to long-term video recording.

12. The video recording function is optimized.

13. The video recording function can not be started if the hard disk space is insufficient. Moreover, the LED indictor will be blinking in red for warning.

14. The "Auto Stream" option is changed for allowing users to select whether the "Auto Stream" function is initiated when the power is turned on rather than according to the stream situation of last system power-on.

15. The 24 GB reserved hard disk space must be deducted from the total available hard disk space.

Note: MCU 19.3.21.0(For HW V1.5)/MCU 18.12.11.0 (For HW V1.3/V1.1/V1.0)

2019.08.28
Firmware
Version: 1.6.1
File Name: nvs40_1_6_1_.tar.gz

Issues

1. If the Account and Password which are entered into the Web UI are wrong, there is a reminder to remind users.

2. Fixed the issue that the Audio Bitrate coding will be shown in 95kbps no matter which value is set for the Audio Bitrate.

3. Fixed the issue that the display for the Timezone is incorrect.

4. Improved the content of the reminder when the FPS or resolution parameter setting of the encoder exceeds the source signal.

5. Fixed the issue that the recorded file is inconsistent with the parameter settings.

6. Fixed the issue that the volume will be the same when the volume is set at 0 and 50 for the audio of the HDMI output.

7. Fixed the issue that recorded file can not be separated into several files automatically according to the recording time length setting for the sub encoder.

8. Fixed the issue that the resolution of the source signal can not be correctly detected by the system and there is an error message that will be shown.

9. Before upgrading to v1.6.1 firmware, please pay attention that it is a must to upgrade to v1.4.8 firmware in advance if the firmware version of your system is older than the 1.4.8 for fixing the MCU firmware issue.

2019.07.11
Firmware
Version: 1.6.0
File Name: nvs40_1_6_0_.tar.gz

Issues
1. Added external connected HDD/SSD information including file format and the status of the storage space (web UI).
2. When the input signal is the SD signal, the ratio option will be added for the encoding. If the input signal is not the SD signal, this option will not be shown (Web UI).
3. The "Same as Input" function is removed from the Encoder page of the web UI.
4. When the Advanced Mode is activated, if the RECORD LED is blinking in red, it means that the record function can not be used by users.
5. Fixed the issue that if the input source is the interlaced signal, there is something wrong for the frame rate when streaming or recording.
6. If the "Disable" is selected for the Record & Stream page, the "Start" button can not be pressed.
7. In the System page, the hard disk information will be shown according to current disk format.
8. If there is no source signal available, it is no use pressing the STREAM and RECORD buttons on the front panel of the NVS-40. Moreover, those two buttons will be flickering in red for reminding users.
9. Before upgrading to v1.6.0 firmware, please pay attention that it is a must to upgrade to v1.4.8 firmware in advance for fixing the MCU firmware issue.

2019.05.21
Firmware
Version: 1.5.8
File Name: nvs40_1_5_8_.tar.gz

Issues
1. Supported the RTMPS streaming to the Facebook platform.
2. Fixed the issue that the HDMI Video and audio outputs can not be synchronized, the Audio output will be delayed for about 80ms than the Video output.
3. Fixed the issue that the audio signal will become abnormal when the audio source is set to RCA or XLR and the system is rebooted.
4. The system limitation that the total encoded Bit Rate must be within the limit of 80Mbps is removed.
5. Enhanced the encoding performance, the same audio encoder is used by all of the main and sub encoders.
6. The factory default IP address of the NVS-40 can not be recovered by pressing the MODE, RECORD and STREAM buttons simultaneously.
7. Before upgrading to v1.5.8 firmware, please pay attention that it is a must to upgrade to

v1.4.8 firmware in advance for fixing the MCU firmware issue.

2019.03.12
Firmware
Version: 1.4.8
File Name: nvs40_1_4_8_.tar.gz

Issues
1. Fixed the audio capture issue.
2. Modified the issue that the Frame Rate will be shown to be 59.944444444 if the Frame Rate is set at 59.94.
3. Added the status bar for the firmware update.
4. Modified the issue that the latest PGM setting before turning off the NVS-40 can not be saved.
5. The limitations for the FPS and Bitrate settings are added for prevent the NVS-40 from crushing.
6. The Factory Default mode is added. When the NVS-40 is powering on, users can press and hold three buttons including **MODE**, **RECORD** and **STM** on the front panel of the NVS-40 simultaneously for 10 seconds to reset the NVS-40 to its factory default value.
7. The default account and password are modified to be as shown as following to modify the issue for the V1.4.1 firmware.
Account: Admin
Password: 000000
8. Minor bugs are fixed.

2018.09.05
Version: 1.3.7
File Name: nvs40_1_3_7_.tar.gz

Firmware
Version: TDM-FW-0102
File Name: NVS-40-TDM-FW-0102.jed & NVS-40-TDM-FW-0102.xfc

Issues
1. The FPGA FW is released to fix the interrupted PGM Audio issue.

2018.08.23
Firmware
Version: 1.3.7
File Name: nvs40_1_3_7_.tar.gz

Issues
1. Bug Fix: The PGM page can not be operated by the IE/Edge and some browsers.

2. Bug Fix: The network setting in the system option (Web UI) can not be changed by using the Edge browser.

3. Bug Fix: The RTMP Account and Password are ineffective in the Web control UI.

4. Bug Fix: The HLS streaming can not be played directly in the new version iOS.

5. Bug Fix: In current situation, the NVS-40 will be rebooted automatically once the "Restore to Default" button is pressed.

6. Bug Fix: The output voice of the streaming can not be adjusted.

7. Bug Fix: The sample frequency of the 44100 can not be used in the streaming.

8. Bug Fix: There is a garbled code once the IP/storage of the storage device are checked by the web control UI.

9. Bug Fix: The AVI format is removed.

10. Bug Fix: The network can not be connected normally once the NVS-40 is restored to default.

11. Bug Fix: The system will jump back to embedded audio automatically after a period of time of the line in streaming burn-in.

2018.07.17
Firmware
Version: 1.3.6
File Name: nvs40_1_3_6_.tar.gz

Issues
1. New Feature: The IP Stream function is added formally.

2. New Feature: NTP calibration or Time Modifying can be done by system interface (Fixed item 110)

3. New Feature: The source of the PGM voice can be controlled.

4. New Feature: Add Advance Mode.

5. New Feature: Chinese subtitles can be input to CG.

6. New Feature: Add limitation for coding bitrate.

7. Bug Fix: The picture with Chinese file name can not be uploaded.

8. Bug Fix: The display of the LED signal (During power-on process, the LED will light up in red. After the power-on process is done, the LED will light up in green.)

9. Bug Fix: The useless Width and Height in CG are removed (Fixed item 79).

10. Bug Fix: When the streaming is stopped, the original setting of the streaming protocol can not be kept.

11. Bug Fix: Other Channels will not be affected when switching audio sources.

12. Bug Fix: Modify the Web page FAT to FAT-32.

13. Bug Fix: Solve the issue which the HLS can not be operated normally.

2018.02.09
Firmware
Version: 1.2.8
File Name: nvs40_1_2_8_BETA2.tar

Issues
1. New Feature: The network streaming status will be retained even after the next boot.
2. New Feature: LINE IN audio includes EBU and SMPTE options.
3. Bug Fix: Deviations are found in HDMI output's color vector.
4. Bug Fix: The device stops recording due to signal loss.
5. Bug Fix: Incorrect web page format type display.
6. Bug Fix: Severe noise issue is found when no signal is connected to XLR.
7. Bug Fix: There will be color leakage when PGM/PIP ratio is set to FIT.

Firmware
Version: 1.2.7

Issues
New Features
1. The PGM view's aspect ratio can now be adjusted (this solves the image distortion issue reported previously).
2. The user can now set the PGM's background color.
3. Multi-language support now includes Japanese (added after including Chinese).
4. The Web UI now automatically remembers the channel selected by users.
5. XLR and LINE IN input volumes can be adjusted.
6. HDMI output volume can be adjusted.

Bug Fix
7. CG's parameter settings now include anti-fool parameters which do not allow users to set illegal values.
8. After recording is finished, the new record file will not overwrite the old record file is they have the same file name.
9. The bitrate's upper limit is 32M on the **ENCODE** page.
10. The Web UI now prompts the user to confirm formatting after the format button is clicked.
11. A feature preventing the config file from being incorrectly written into the device is added. This feature prevents corrupted software when power is interrupted while operating the device on Web UI.
12. Fonts are displayed incorrectly when LAN port is used.