SNC-VB770

Release Note

Ver.1.3.0

2020/1/24

Sony Corporation

Revision history

#	Release date	Version	Major revision and comment
1	2016/05/27	1.0.0	Initial release
2	2017/03/29	1.1.0	Newly Added Function Bug Fix
3	2018/12/21	1.2.0	Newly Added Function Bug Fix
4	2020/01/24	1.3.0	Newly Added Function Bug Fix

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1. About this Release Version

1.1 General

This release version is 1.3.0

Target model: SNC-VB770

1.2 Software version upgrade method

To upgrade the camera software to this version, use SNC toolbox Ver.1.6.1 or later. For the version upgrade procedure, refer to the Application Guide.

1.3 Operating environment

The following operation environment is necessary for the computer used for viewing the camera images or for controlling.

- OS

  Microsoft Windows 7 (32 bit version, 64 bit version)

  Microsoft Windows 8.1 (32 bit version, 64 bit version)

  Microsoft Windows 10 (32 bit version, 64 bit version)

  Verified editions:

  Windows 7 Ultimate, Professional

  Windows 8.1 Pro

  Windows 10 Pro

  Microsoft DirectX 9.0c and later

- Web browser

  Microsoft Internet Explorer Ver 11

  Mozilla Firefox Ver.70.0 (supporting plug-in free viewer only)

  Google Chrome Ver.78.0 (supporting plug-in free viewer only)

- CPU

  Intel Core i7, 3.4 GHz or higher

- Memory

  8 GB or more

- Display

  3840 x 2160 pixels or higher

- Graphic board

  To display the streaming of 4K/H.264 30fps, use the graphic board equivalent to or better than the following verified graphic boards.

  ・ Verified graphic boards

  - NVIDIA Quadro K620
  - NVIDIA GeForce GTX960

1.4 Compatibility

Regarding the functions provided in SNC-VB770 Ver1.0.0, this version does not contain any change for the CGI command, RTSP or other network protocol, or data format for streaming. It is compatible with SNC-VB770 Ver1.0.0, Ver1.1.0 and Ver1.2.0 regarding mutual connectivity with external connected devices

2. Additional Function

2.1. Functions added / changed in Ver. 1.3.0

- The security has been enhanced.
- Changing the Administrator Password is required when accessing the camera for the first time.

  The default administrator name and password are as follows.

  User name : admin

  Password : Admin_1234

  Set a user name between 5 and 16 characters and a password between 8 and 28 characters. Create a user name and password using half-width characters that do not include ″, (comma)″, ″#″, ″&″, ″:″ or ″(space)″. Passwords must contain both an alphabet and a numeric character.

  - Before execute version up to V1.3.0, administrator and user names and passwords should be set using above specifications.
  - If you have not set administrator and user names and passwords using above specifications before execute version up to V1.3.0, administrator name and password will be changed to default value after version up to V1.3.0 and all user names and passwords will be cleared. You require to set administrator password as above and all user name and password.
- If the ″Retain current network settings″ item is checked when reseting the camera to factory settings, user name and password for Administrator will be retained after reset in addition to the network settings.

2.2. Functions added / changed in Ver. 1.2.0

- Power zoom lens control for SELP28135G is supported.

  [Note] The power zoom function can not be used depending on your purpose of use. Please be sure to contact your distributor before purchasing.
- The security has been enhanced.
- TLS 1.2 is supported.
- Auto clear function of Camera tampering detection is supported.

2.3. Functions added/changed in Ver. 1.1.0

- The security has been enhanced.

  [Note] When you fail in installation of ActiveX, apply the latest Windows security patches.
- Checkbox for “Open Iris” is added in Easy Focus function. This function reduced the

occurrence of blur if you uses camera in environment of changing in brightness

- Lens power consumption saving function is supported.
- Below lenses are supported by new firmware.
  - SEL50F14Z
  - SEL50F18F
  - SEL50M28
  - SEL85F14GM
  - SEL2470GM
  - SEL70200GM
  - SEL70300G
  - SEL14TC
  - SEL20TC

3. Corrected Problems

3.1. Problems corrected in Ver. 1.3.0

- There was the problem that the video image might be corrupted in rare case when the Time setting (including "Synchronizing with NTP") was set during 4K streaming playback,. This problem has been corrected.
  (Problem in Ver. 1.1.0. Corrected in Ver.1.3.0.)
- There was the problem that the RTSP streaming playback was disconnected with setting the viewer authentication,. This problem has been corrected.
  (Problem in Ver. 1.0.0. Corrected in Ver.1.3.0.)
- There was the problem that the session was rarely disconnected during the RTSP streaming playback,. This problem has been corrected.
  (Problem in Ver. 1.0.0. Corrected in Ver.1.3.0.)
- There was a problem that the port number of the camera could not be changed using the SNCtoolbox. This problem has been corrected.
  (Problem in Ver. 1.0.0. Corrected in Ver.1.3.0.)

3.2. Problems corrected in Ver. 1.2.0

- In RTSP multicast streaming in an environment where packet loss occurs frequently, there was a problem that the camera might be restarted. This problem has been corrected.
- A horizontal angle of view might be different from specifications, when using Evidence shot. This problem has been corrected.

3.3. Problems corrected in Ver. 1.1.0

- There was a problem that Main is displayed as the option of the H264 profile when the image size is set to 4K. This problem has been corrected.

4. Functional Limitations

4.1 Video frequency setting and monitor refresh rate setting

ActiveX viewer uses Direct2D to display the 4K streaming images smoothly. To display the images smoothly, match the video frequency and the PC monitor's refresh rate frequency before use. (It is necessary to set the PC monitor's refresh rate to 60[Hz] or 50[Hz] to match the video frequency of 60[Hz] or 50[Hz], respectively.)

4.2 Edge Storage recording of Evidence Shot mode Image1

The recording bit rate in the Evidence Shot mode Image1 (Motion JPEG) may exceed the guaranteed rate (8 Mbps) of Edge Storage depending on the shooting object. Be careful when setting it.

4.3 PC setting when displaying ActiveX viewer

When the PC display is set to a zoom setting (eg: 125%, 150%), a part of the live screen of ActiveX viewer may not be displayed. To display the entire image, set the PC display to 100%.

[PC display setting procedure]

① Open the control panel, and display all the control panel items.

② Select and click Display from the control panel items.

③ Select 100% for the display setting, and click Apply.

The default is set to 100% so normally no setting is required, but if it is set to anything other than 100%, follow the above steps to set it back to default.

4.4 Check function of User/Password

If "&" is entered to User or Password, a warning message saying "Invalid parameter" appears, but no warning message appears even if any other prohibited character ("," (comma), "#" (sharp), " " (space), ":" (colon)) is entered. So be careful.

4.5 Switching setting of the picture profile

The schedule setting of "event occurrence setting" will be valid when the condition for the next event occurrence is established. For example, even if the event occurrence setting is performed while the condition for event occurrence is established, the setting will not be applied immediately, and it will be applied when the condition is established next time.

4.6 Display latency

When displaying the streaming of FHD or lower on ActiveX viewer, the display latency can be shortened by disabling the hardware acceleration. (The hardware acceleration process will be enabled for the 4K streaming display, so there is no influence to the image quality by disabling the hardware acceleration for FHD or lower sizes.)

4.7 Edge Storage recording after pressing the SD OFF switch

To perform the Edge Storage recording after pressing the SD OFF switch during Edge Storage recording with the record start button for the Edge Storage recording set to ON, or with the Schedule tab / EdgeStorage tab / EdgeStorage video – "Always" checkbox set to ON, and then reinserting an SD card, perform the recording start setting again.

4.8 Intelligent coding

The number of the moving object tracking setting is limited to 4. If it is expected that there will be many moving objects, or if the moving objects move fast, it is recommended to use the fixed range setting at the same time.