

SNC-VM772R

Release Note

Ver.1.0.2

2015/9/24

Sony Corporation

Revision history

#	Release date	Version	Major revision and comment
1	2015/07/09	1.0.0	Initial release for VMS integration
2	2015/09/24	1.0.2	Release of firmware for shipment

1. About this Release Version

1.1 General

This release version is 1.0.2.

Target model: SNC-VM772R

1.2 Software version upgrade method

To upgrade the camera software to this version, use SNC toolbox V.1.4.3 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 Pro (32 bit version, 64 bit version)

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

Verified editions:

Windows 7: Ultimate, Professional

Windows 8: Pro

Windows 8.1: Pro

Microsoft DirectX 9.0c and later

- Web browser

Microsoft Internet Explorer Ver. 8.0, Ver. 9.0, Ver.10.0, Ver 11.0

Firefox Ver.29.0 (supporting plug-in free viewer only)

Safari Ver.5.34 (supporting plug-in free viewer only)

Google Chrome Ver.39.0 (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 K620

- Geforce GTX960

1.4 Compatibility

Regarding the functions provided in SNC-VM772R 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-VM772R Ver1.0.0 regarding mutual connectivity with external connected devices.

2. Functional Limitations

2.1 Video frequency setting and monitor refresh rate setting

ActiveXViewer 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.)

2.2 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 without depending on video setting. Need to choose the Edge Storage Still image for recording the Evidence Shot mode Image1 in the memory card. Be careful when setting it.

2.3 PC setting when displaying ActiveXViewer

When the PC display is set to a zoom setting (eg: 125%, 150%), a part of the live screen of ActiveXViewer 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.

2.4 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.

2.5 Switching setting of the picture profile

The schedule setting of "setting when the event occurs" 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.

2.6 Display latency

When displaying the streaming of FHD or lower on ActiveXViewer, 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.)

2.7 Output mode that can use the Wide Dynamic Range (View-DR) function

It is possible to perform the ON/OFF setting for Wide Dynamic Range (View-DR) from the Web UI regardless of the current output mode, but the output mode where the function is enabled is 4K multi-streaming. Be careful when setting it.

2.8 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/ Edge Storage tab/Edge Storage movie – “Always” checkbox set to ON, and then reinserting an SD card, perform the recording start setting again.

3. Known Problems

3.1 Display of invalid items with H264 Profile

When the image size is 4K (3840 x 2160, 2880 x 2160), the H264 profile is fixed to High. When the 4K aspect ratio is set to 4:3 (screen size: 2880 x 2160), Main is displayed as the option of the H264 profile, but the setting will become High. So be careful.

3.2 Picture profile switching condition

If the picture profile switching condition is changed to "Sensor Input" from any other options, the pull-down menu of the sensor input displays "LIGHT SENSOR", but no selection has been made, so select either "Sensor Input 1" or "Sensor Input 2".

3.3 Awkward display with the B picture enabled

When performing streaming display on ActiveXViewer, the video may not be displayed smoothly if B picture is enabled. In such a case, disable B picture, and display on ActiveXViewer.

3.4 Incorrect description in the note for Day/Night switching

There is an incorrect description in the note displayed on the Day/Night tab. (Written in red here)

◇English

Incorrect: "When the exposure mode in the **image quality tab** is set to Full auto, Iris priority, or Shutter priority, their auto settings are enabled."

Correct: "When the exposure mode in the **picture tab** is set to Full auto, Iris priority, or Shutter priority, their auto settings are enabled."

3.5 Unstable behavior when RTP/RTSP over HTTP is set

If reconnection of RTP/RTSP over HTTP streaming occurs at the timing where Link Down of the network interface switches to Link Up due to such reasons as a network switch defect, communication with the camera may be disabled in rare cases. (It does not occur with the streaming connection other than with RTP/RTSP over HTTP.)

3.6 Restrictions on the 4K Multi-output mode

The camera restarts in rare cases if only the codec setting of Video 1 is set to H.264, and Edge Storage recording is performed or a still image is captured after the output mode is set to 4K multi streaming. When performing Edge Storage recording or capturing a still image with the output mode set to 4K multi streaming, set the codec setting of Video 3 and 4 to H.264, and set Superimpose to ON.

3.7 Restrictions on the Type: Event display of superimpose

When the font of superimpose is set to Middle/Small/Auto, and Type set to Event, the camera may restart in rare cases. (When the Type of superimpose is set to Event, this symptom does not occur if the font size is set to Large.)

3.8 Inquiry on Video Capability

When making inquiry of CapableBitrate<n> of Video Capability, if it is made with "target=All", a value that is restricted with the maximum value of VBR Bitrate is returned, so use "target=BitRate<n>".