SNC-VB600/VB600B/VB630/VB635

SNC-VM600/VM600B/VM630

SNC-VM601/VM601B/VM631

SCN-EB600/EB630/EB600B/EB630B

SCN- EM600/EM601/EM630/EM631

SNC-CX600W/CX600

SNC-VM602R/VM632R

SNC-EM602R/EM632R

SNC-WR630/WR632/WR600/WR602

SNC-XM631/XM632/XM636/XM637

SNC-EB632R/EB602R

SNC-WR602C/WR632C

SNC-EM602RC/SNC-EM632RC

SNC-VB632D

SNC-VB640/VB642D/VM641/VM642R

SNC-EB640/EB642R/EM641/EM642R

Release Note

Ver. 3.2.0

August 31, 2020

Sony Corporation

Revision History

#	Date	Version	Changes and comments
1	2012/10/11	1.1.1	SNC-VB600/VB630 initial release
2	2012/11/02	1.2.0	● SNC-VB600B/VM600/VM600B/ VM630/VM601/VM601B/ VM631 Initial Release ● Newly Added Functions ● Bug Fix
3	2012/11/30	1.3.0	● Newly Added Functions ● Bug Fix
4	2013/02/04	1.3.1	● Bug Fix
5	2013/02/22	1.4.0	● Newly Added Functions ● Bug Fix
6	2013/04/25	1.5.0	● Newly Added Functions ● Bug Fix
7	2013/06/06	1.5.1	● Bug Fix
8	2013/07/11	1.6.0	● SNC-EB600/EM600/EM601/EB630/ EM630/EM631 Initial Release
9	2013/08/05	1.7.0	● SNC-EB630B/CX600W Initial Release ● Newly Added Functions ● Bug Fix
10	2013/08/23	1.7.0	● Revised Release Note Only ● Remove SNC-EB600B from Target Model ● Newly Added Known Issue
11	2013/08/23	1.8.0	● SNC-VM602R/VM632R/EM602R/EM632R Initial Release ● Bug Fix
12	2013/09/06	1.9.0	● SNC-EB600B Initial Release ● Bug Fix
13	2013/10/01	1.9.2	● Bug Fix ● Newly Add Known Issues
14	2013/10/31	1.10.0	● Newly Add Known Issues ● SNC-VB635/WR630/WR632 Initial Release
15	2013/11/26	1.11.0	● SNC-CX600/WR600/WR602 Initial Release ● Newly Added Function ● Bug Fix
16	2014/1/22	1.12.0	● SNC-XM632/XM636/XM637 Initial Release ● Bug Fix
17	2014/04/25	2.1.0	● SNC-EB632R/602R Initial Release ● Newly Added Function ● Bug Fix
18	2014/05/30	2.1.2	● Bug Fix ● Newly add Precautions for Setting
19	2014/07/18	2.1.3	● Bug Fix
20	2014/08/06	2.2.0	● SNC-XM631 Initial Release

			● Newly Added Function ● Bug Fix
21	2014/08/27	2.2.1	● Newly Added Function ● Bug Fix
22	2014/09/08	2.3.0	● Performance Enhancement ● Newly Add Known Issues
23	2014/10/20	2.3.1	● SNC-VB632D Initial Release ● Newly Added Function
24	2014/12/19	2.4.0	● Newly Added Function ● Bug Fix
25	2015/3/13	2.5.0	● Newly Added Function ● Bug Fix
26	2015/08/28	2.6.0	● Newly Added Function ● Bug Fix ● Newly Add Precautions for Setting ● Newly Add Known Issues
27	2015/10/28	2.6.1	● Bug Fix
28	2016/02/26	2.6.6	● Bug Fix
29	2016/05/31	2.7.0	● Newly Added Function ● Performance Enhancement ● Bug Fix
30	2016/11/25	2.7.2	● Newly Added Function ● Performance Enhancement
31	2016/12/16	2.7.3	● Bug Fix
32	2017/3/9	2.8.0	● SNC-VB640/VB642D/VM641/VM642R/EB640/EB642R/ EM641/EM642R Initial Release ● Newly Added Function ● Performance Enhancement ● Bug Fix
33	2017/10/13	3.0.0	● Newly Added Function ● Performance Enhancement ● Bug Fix ● Newly Add Known Issues
34	2018/10/25	3.1.0	● Newly Added Function ● Performance Enhancement ● Bug Fix
35	2019/01/29	3.1.1	● Specification Change
36	2020/08/31	3.2.0	● Specification Change ● Bug Fix

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1. About this release version

1.1. General information

This version is Ver.3.2.0.

The following table shows the relationship between each model and its corresponding versions.

	1.1.1	1.2.0	1.3.0	1.3.1	1.4.0	1.5.0	1.5.1	1.6.0	1.7.0	1.8.0	1.9.0	1.9.2
SNC-VB600	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-VB600B	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-VB630	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-VM600	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-VM600B	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-VM630	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-VM601	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-VM601B	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-VM631	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
SNC-EB600	*	*	*	*	*	*	*	Yes	Yes	Yes	No	Yes
SNC-EB630	*	*	*	*	*	*	*	Yes	Yes	Yes	No	Yes
SNC-EM600	*	*	*	*	*	*	*	Yes	Yes	Yes	No	Yes
SNC-EM630	*	*	*	*	*	*	*	Yes	Yes	Yes	No	Yes
SNC-EM601	*	*	*	*	*	*	*	Yes	Yes	Yes	No	Yes
SNC-EM631	*	*	*	*	*	*	*	Yes	Yes	Yes	No	Yes
SNC-EB630B	*	*	*	*	*	*	*	Yes	Yes	Yes	No	Yes
SNC-CX600W	*	*	*	*	*	*	*	*	Yes	No	Yes	Yes
SNC-VM602R	*	*	*	*	*	*	*	*	*	Yes	No	Yes
SNC-VM632R	*	*	*	*	*	*	*	*	*	Yes	No	Yes
SNC-EM602R	*	*	*	*	*	*	*	*	*	Yes	No	Yes
SNC-EM632R	*	*	*	*	*	*	*	*	*	Yes	No	Yes
SNC-EB600B	*	*	*	*	*	*	*	*	*	*	Yes	Yes
SNC-VB635	*	*	*	*	*	*	*	*	*	*	*	*
SNC-WR630	*	*	*	*	*	*	*	*	*	*	*	*
SNC-WR632	*	*	*	*	*	*	*	*	*	*	*	*
SNC-CX600	*	*	*	*	*	*	*	*	*	*	*	*
SNC-WR600	*	*	*	*	*	*	*	*	*	*	*	*
SNC-WR602	*	*	*	*	*	*	*	*	*	*	*	*
SNC-XM632	*	*	*	*	*	*	*	*	*	*	*	*
SNC-XM636	*	*	*	*	*	*	*	*	*	*	*	*
SNC-XM637	*	*	*	*	*	*	*	*	*	*	*	*
SNC-EB602R	*	*	*	*	*	*	*	*	*	*	*	*
SNC-EB632R	*	*	*	*	*	*	*	*	*	*	*	*
SNC-EM602RC	*	*	*	*	*	*	*	*	*	No	No	No
SNC-EM632RC	*	*	*	*	*	*	*	*	*	No	No	No
SNC-VB632D	*	*	*	*	*	*	*	*	*	*	*	*

	1.10.0	1.11.0	1.12.0	2.1.0	2.1.2	2.1.3	2.2.0	2.2.1	2.3.0	2.3.1	2.4.0
SNC-VB600	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VB600B	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VB630	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VM600	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VM600B	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VM630	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VM601	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VM601B	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VM631	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EB600	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EB630	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EM600	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EM630	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EM601	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EM631	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EB630B	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-CX600W	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
SNC-VM602R	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VM632R	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EM602R	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EM632R	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EB600B	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-VB635	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-WR630	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes
SNC-WR632	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes
SNC-CX600	*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
SNC-WR600	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes
SNC-WR602	*	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes
SNC-XM632	*	*	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-XM636	*	*	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-XM637	*	*	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EB602R	*	*	*	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-EB632R	*	*	*	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNC-XM631	*	*	*	*	*	*	Yes	Yes	No	No	Yes
SNC-WR602C	*	*	*	*	*	*	Yes	No	Yes	No	Yes
SNC-WR632C	*	*	*	*	*	*	Yes	No	Yes	No	Yes
SNC-EM602RC	No	No	No	No	No	No	No	No	Yes	No	Yes
SNC-EM632RC	No	No	No	No	No	No	No	No	Yes	No	Yes
SNC-VB632D	*	*	*	*	*	*	*	*	*	Yes	Yes

	2.5.0	2.6.0	2.6.1	2.6.6	2.7.0	2.7.2	2.7.3	2.8.0	3.0.0	3.1.0	3.1.1
SNC-VB600	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VB600B	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VB630	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VM600	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VM600B	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VM630	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VM601	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VM601B	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VM631	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EB600	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EB630	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EM600	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EM630	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EM601	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EM631	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EB630B	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-CX600W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VM602R	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VM632R	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EM602R	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EM632R	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EB600B	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VB635	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-WR630	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-WR632	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-CX600	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-WR600	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-WR602	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-XM632	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-XM636	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-XM637	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EB602R	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EB632R	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-XM631	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-WR602C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-WR632C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EM602RC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-EM632RC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNC-VB632D	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

	3.2.0
SNC-VB600	Yes
SNC-VB600B	Yes
SNC-VB630	Yes
SNC-VM600	Yes
SNC-VM600B	Yes
SNC-VM630	Yes
SNC-VM601	Yes
SNC-VM601B	Yes
SNC-VM631	Yes
SNC-EB600	Yes
SNC-EB630	Yes
SNC-EM600	Yes
SNC-EM630	Yes
SNC-EM601	Yes
SNC-EM631	Yes
SNC-EB630B	Yes
SNC-CX600W	Yes
SNC-VM602R	Yes
SNC-VM632R	Yes
SNC-EM602R	Yes
SNC-EM632R	Yes
SNC-EB600B	Yes
SNC-VB635	Yes
SNC-WR630	Yes
SNC-WR632	Yes
SNC-CX600	Yes
SNC-WR600	Yes
SNC-WR602	Yes
SNC-XM632	Yes
SNC-XM636	Yes
SNC-XM637	Yes
SNC-EB602R	Yes
SNC-EB632R	Yes
SNC-XM631	Yes
SNC-WR602C	Yes
SNC-WR632C	Yes
SNC-EM602RC	Yes
SNC-EM632RC	Yes
SNC-VB632D	Yes

	~ 2.7.3	2.8.0	3.0.0	3.1.0	3.1.1	3.2.0
SNC-VB640	*	Yes	Yes	Yes	Yes	Yes
SNC-VB642D	*	Yes	Yes	Yes	Yes	Yes
SNC-VM641	*	Yes	Yes	Yes	Yes	Yes
SNC-VM642R	*	Yes	Yes	Yes	Yes	Yes
SNC-EB640	*	Yes	Yes	Yes	Yes	Yes
SNC-EB642R	*	Yes	Yes	Yes	Yes	Yes
SNC-EM641	*	Yes	Yes	Yes	Yes	Yes
SNC-EM642R	*	Yes	Yes	Yes	Yes	Yes

Yes: Compatible No: Do not use *: Cannot upgrade/downgrade the version

Please read both the User’s Guide and this release note to understand the details about this version.

1.2. Software version upgrade procedure

To upgrade the software of the camera to this version, be sure to use SNC toolbox V.1.5.0 or higher. For the version upgrade procedure, refer to the Application Guide.

1.3. Operation environment

The following operation environment is required for the computer to be used for viewing and controlling the camera image.

- OS
  Windows 7 (32-bit, 64-bit)
  Windows 8.1 Pro (32-bit, 64-bit)
  Windows 10 Pro (32-bit, 64-bit)
  Verified editions:
    Windows 7: Ultimate, Professional
    Windows 8.1: Pro
    Windows 10: Pro
- Web browser
  Microsoft Internet Explorer Ver.11
  Mozilla Firefox Ver.79.0 (only plug-in free viewer is supported)
  Google Chrome Ver.84.0 (only plug-in free viewer is supported)
- CPU
  SNC-CX600W/CX600: Intel Core2 CPU, 2.13GHz or more
  Others: Intel Core i7, 2.8 GHz or more
- Memory
  2 GB or more
- Display
  1600 x 1200 pixels or more

1.4. Compatibility

There is no change on CGI command, RTSP, other network protocols and the streaming format those have been released on Ver. 1.5.1/1.6.0/1.7.0/1.8.0/1.9.0/1.9.2/1.10.0/1.12.0/2.1.0/2.1.2/2.1.3/2.2.0/2.2.1/2.3.0/2.3.1/2.4.0/2.5.0/2.6.0/2.6.1/2.6.6/2.7.0/2.7.2/2.7.3/2.8.0./3.0.0/3.1.0/3.1.1 It is compatible with Ver. 1.5.1/1.6.0/1.7.0/1.8.0/1.9.0/1.9.2/1.10.0/1.12.0/2.1.0/2.1.2/2.1.3/2.2.0/2.2.1/2.3.0/2.3.1/2.4.0/2.5.0/2.6.0/2.6.1/2.6.6/2.7.0/2.7.2/2.7.3/2.8.0./3.0.0/3.1.0/3.1.1 about connectivity between the external network devices and the camera.

1.5. Supported functions for each model

Among the functions shown in this release note, those that are only supported by specific models are shown in the following table.

	High frame rate selection	Edge Storage	Audio
SNC-VB600	Supported	Supported	Supported
SNC-VB600B		Supported	Supported
SNC-VB630	Supported	Supported	Supported
SNC-VM600	Supported	Supported	Supported
SNC-VM600B		Supported	Supported
SNC-VM630	Supported	Supported	Supported
SNC-VM601	Supported	Supported	Supported
SNC-VM601B		Supported	Supported
SNC-VM631	Supported	Supported	Supported
SNC-EB600			
SNC-EB630			
SNC-EM600			
SNC-EM630			
SNC-EM601			
SNC-EM631			
SNC-EB630B			
SNC-CX600W		Supported	Supported
SNC-VM602R	Supported	Supported	Supported
SNC-VM632R	Supported	Supported	Supported
SNC-EM602R			
SNC-EM632R			
SNC-EB600B			
SNC-VB635	Supported	Supported	Supported
SNC-WR630	Supported	Supported	Supported
SNC-WR632	Supported	Supported	Supported
SNC-CX600		Supported	Supported
SNC-WR600	Supported	Supported	Supported
SNC-WR602	Supported	Supported	Supported
SNC-XM632		Supported	Supported (MIC in only)
SNC-XM636		Supported	Supported (MIC in only)
SNC-XM637		Supported	Supported (MIC in only)
SNC-EB602R			
SNC-EB632R			
SNC-XM631		Supported	
SNC-WR602C	Supported	Supported	Supported
SNC-WR632C	Supported	Supported	Supported

SNC-EM602RC			
SNC-EM632RC			
SNC-VB632D	Supported	Supported	Supported
SNC-VB640	Supported	Supported	Supported
SNC-VB642D	Supported	Supported	Supported
SNC-VM641	Supported	Supported	Supported
SNC-VM642R	Supported	Supported	Supported
SNC-EB640	Supported	Supported	Supported
SNC-EB642R	Supported	Supported	Supported
SNC-EM641	Supported	Supported	Supported
SNC-EM642R	Supported	Supported	Supported

2. Newly Added Functions

2.1. Functions added in Ver. 3.2.0

There is no function added in this version.

2.2. Functions added in Ver. 3.1.1

There is no function added in this version.

2.3. Functions added in Ver. 3.1.0

- ONVIF Profile T is supported.
  Conformance testing has been passed with ONVIF Device Test Tool Version 18.06 SR1.

2.4. Functions added in Ver. 3.0.0

- TLS 1.2 is supported.
- Download device information function is supported.

2.5. Functions added in Ver. 2.8.0

- The following models are supported.
  SNC-VB640/VB642D/VM641/VM642R/EB640/EB642R/EM641/EM642R

2.6. Functions added in Ver. 2.7.3

There is no function added in this version.

2.7. Functions added in Ver. 2.7.2

- ONVIF Ver. 16.07 support
  Conformance testing has been passed with ONVIF Device Test Tool Version 16.07.

2.8. Functions added in Ver. 2.7.0

- Privacy masking linked with zoom position is supported.
- Full HD dual stream mode is supported.
  Target model:
  SNC-VB630/VB632D/VB635/VM630/VM631/VM632R
  SNC-EB630/EB630B/EM630/EM631/EM632R/EM632RC/EB632R
  SNC-XM631/XM632/XM636/XM637
  SNC-WR630/WR632/WR632C
- Windows 10 is supported.

2.9. Functions added in Ver. 2.6.6

There is no function added in this version.

2.10. Functions added in Ver. 2.6.1

There is no function added in this version.

2.11. Functions added in Ver. 2.6.0

- The setting of the I-picture interval in frame units is supported.

- The ONVIF multi-cast distribution function is supported.
- The detection sensitivity can now be selected for the Camera tampering detection function. Only CGI is supported.

2.12. Functions added in Ver. 2.5.0

- RTSP pause function is supported.
- RTSP authentication function is supported.
- Zoom position setting on the setting screen is supported.
  Target model:
  SNC-VM600/VM600B/VM601/VM601B/VM630/VM631
  SNC-EM600/EM601/EM630/EM631
  SNC-VM602R/VM632R/EM602R/EM632R
  SNC-EB602R/EB632R/EM602RC/EM632RC
  SNC-VB632D

2.13. Functions added in Ver. 2.4.0

- The number of areas to be set for Privacy masking was increased from 12 to 24.
  Target model: SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
- The maximum size that can be used for a superimposed logo was increased to 640 x 120.
- Image rotation (90 degrees, 270 degrees) and mirroring are supported.
  Target model: SNC-VB600/VB600B/VB630/VB635
  SNC-EB600/EB600B/EB630/EB630B
  SNC-CX600W/CX600
  SNC-VM600/VM600B/VM601/VM601B/VM630/VM631
  SNC-EM600/EM601/EM630/EM631
  SNC-XM632/XM636/XM637/XM631
  SNC-VM602R/VM632R/EM602R/EM632R
  SNC-EB602R/EB632R/EM602RC/EM632RC
  SNC-VB632D
- The video codec setting and the audio setting can be applied to ONVIF media profiles.
- The ONVIF IP Filtering function is supported.
- Auto Clear for the Camera tampering detection function is supported.
- The preview video stop function on the setting screen is supported.

2.14. Functions added in Ver. 2.3.1

- The following model is supported.
  SNC-VB632D
- The revised standard of ETSI R&TTE EN 300 328 v1.8.1 is supported.
  Applicable models: SNC-CX600W

2.15. Functions added in Ver. 2.3.0

There is no function added in this version.

2.16. Function added in Ver. 2.2.1

- e-Varifocal function is newly added.

Applicable models: SNC-VB600/VB600B/VB630/VB635
SNC-EB600/EB600B/EB630/EB630B
SNC-CX600W/CX600
SNC-VM600/VM600B/VM601/VM601B/VM630/VM631
SNC-EM600/EM601/EM630/EM631
SNC-XM632/XM636/XM637/XM631
SNC-VM602R/VM632R/EM602R/EM632R
SNC-EB602R/EB632R

2.17. Functions added in Ver. 2.2.0

- The following model is supported.
  SNC-XM631
- The superimpose function is expanded.
  - ✧ Azimuth display
  - ✧ Area title display
  - ✧ Zoom ratio display selection

  Applicable models: SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
  - ✧ Font size selection

  Applicable models: All models
- The Highlight Compensation (HLC) function is supported.
  Applicable models: SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
- The lower limit setting of the shutter speed is expanded.
  Applicable models: SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
- The horizontal tilt limit function is supported.
  Applicable models: SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
- The Home Position function of Solid PTZ is supported.
- The log function is expanded.
- The discovery function by UPnP is supported.
- Mail encryption is supported.
- The focus refresh function is supported.
- Turkish and Polish are supported in the setting screen.

2.18. Functions added in Ver. 2.1.3

There is no function added in this version.

2.19. Functions added in Ver. 2.1.2

There is no function added in this version.

2.20. Functions added in Ver. 2.1.0

- The following models are supported.
  SNC-EB602R, EB632R
- The HTTP alarm notification function is now supported.
- The FTP still image send function is now supported.
- The SD card maintenance information notification function is now supported.
  However, it is applicable to the SD card supporting the maintenance information

acquisition function.

- The Event function of the ONVIF is now supported.
- Easy Focus linked to switching of day/night is now executable.
  Applicable models: SNC-VB600/VB600B/VB630/VB635
  SNC-EB600/EB630
  SNC-VM600/VM600B/VM630/VM601/VM601B/VM631
  SNC-EM600/EM601/EM630/EM631
  SNC-VM602R/VM632R
  SNC-EM602R/EM632R
  SNC-EB602R/EB632R
- "Shutter priority," "Iris priority," or "Manual" can now be selected as the exposure mode in the setting screen.
  Applicable models: SNC-WR600/WR602/WR630/WR632
- The limitation of the maximum bit rate can now be set when the video codec is set to H.264 and the bit rate control mode is set to VBR.

2.21. Functions added in Ver. 1.12.0

- The following models are supported.
  SNC-XM632, XM636, XM637
- The camera operation mode function (25fps/30fps) is supported.
  The mode can be changed in "Picture tab" of "Video / Audio menu" (Administrator menu).
  Applicable models: SNC-CX600W, CX600

2.22. Functions added in Ver. 1.11.0

- The following models are supported.
  SNC-CX600, WR600, WR602
- Adaptive rate control function is supported.
  Perform the following before setting the adaptive rate control.
  - ✧ Set the video codec as follows.
    - ➢ Set the Image codec to H.264.
    - ➢ Set the CBR to Off.
  - ✧ Set the connection method of the live viewer screen to Unicast.
- Lighting test function is supported.
  Applicable models: SNC-CX600W, CX600
- Defog function is supported.
  Applicable models: SNC-WR630, WR632, WR600, WR602

2.23. Functions added in Ver. 1.10.0

- The following models are supported.
  SNC-VB635, WR630, WR632

2.24. Functions added in Ver. 1.9.2

There is no function added in this version.

2.25. Functions added in Ver. 1.9.0

- The following models are supported.
  SNC-EB600B

2.26. Functions added in Ver. 1.8.0

- The following models are supported.
  SNC-VM602R, SNC-VM632R, SNC-EM602R, SNC-EM632R

2.27. Functions added in Ver. 1.7.0

- The following models are supported.
  SNC-SNC-EB630B, SNC-CX600W
- The picture mode selection, which can select the optimal setting for each scene, is supported from this version.
  Applicable models:
  SNC-VB600,VB600B,VB630,VM600,VM600B,VM630,VM601,VM601B,VM631
- With the model that supports Edge Storage, a function is added to search, play back, and export the videos recorded in the camera using the playback viewer.
  Read 5.5 Precautions on the playback viewer before using this function.

2.28. Functions added in Ver. 1.6.0

- The following models are supported.
  SNC-EB600, SNC-EB630, SNC-EM600, SNC-EM630, SNC-EM601, SNC-EM631
- The picture mode selection, which can select the optimal setting for each scene, is supported.

2.29. Functions added in Ver. 1.5.1

- There is no function added in this version.

2.30. Functions added in Ver. 1.5.0

- Windows 8 and Internet Explorer 10 are supported.
- With the audio upload function, AAC can be selected.
  When using AAC, be sure to use SNC audio upload tool V5.1 or higher.
- With the Edge Storage still image function, it can now set periodical record, alarm record schedule, and overwriting record.
- The timer execution can be selected for alarm output.
- SNMP (V1, V2c, V3) is supported.
- In the white balance mode ATW/ATW-PRO, the R/B gain offset can be set.
- In the schedule setting screen, the same schedule can be set for all days.

2.31. Functions added in Ver. 1.4.0

- ONVIF Profile S is supported.
- The Edge Storage still image function is added.
- RTSP over HTTP is supported.
- IPv6 is supported.
- The QoS function is added.

- The access limit function is added.
- Removed object detection and left object detection are added to VMF.
- Face detection is supported.
- GUI for setting IEEE 802.1X is supported.
- The auto iris response speed setting is added.
  Applicable models: SNC-VB630, VB600, VB600B
- The wide dynamic range setting method is changed.

2.32. Functions added in Ver. 1.3.1

- No function is added in this version.

2.33. Functions added in Ver. 1.3.0

- The SSL function is supported. This function is not available for the China model.
- The IEEE 802.1X function is supported.
- The specification has been changed so that the picture quality can be set when using H.264 and VBR (CBR off) in combination.
- The logo, event display, and codec information display have been added to superimpose.
- APOP and CRAM-MD5 have been added to the authentication setting of e-mail transmission. This function is not available for the China model.
- The audio file playback function has been added.
- The audio upload function has been added.
- Source-Specific Multicast (SSM) is supported.

2.34. Function added in Ver. 1.2.0

- Russian, Hindi, Vietnamese, and Thai languages were added to the viewer and the setting screen, making it support 14 languages in total. The supported languages are English, Japanese, French, Spanish, German, Italian, Simplified Chinese, Traditional Chinese, Korean, Portuguese, Russian, Hindi, Vietnamese, and Thai.
- Smartphone viewer is supported.
- RTSP over TCP is supported.
- As VMF filters, pass detection and intrusion detection are supported.
- The stabilizer is supported.
- The solid PTZ function is supported.
- Overwriting of Edge Storage is supported.
- VMF is added as an execution condition of action output.
- The schedule (Mail transfer / Alarm output / Edge Storage / Day/Night) function is supported.

3. Specification Change

3.1. Specification changed in Ver. 3.2.0

- The security has been enhanced.

3.2. Specification changed in Ver. 3.1.1

- As for HTTP invoked multicast streaming, its streaming session participants number was incremented per invocation of HTTP multicast start request and its maximum limitation was set to 4,096 in the former version. This limitation was figured out to be problematic in a specific use case where a client repeatedly invoke the HTTP multicast start request only to reach its max number and then give an error response. So this maximum limitation was removed.

3.3. Specification changed in Ver. 3.1.0

- The security has been enhanced.
- The maximum number of sessions via RTSP multicast streaming including ONVIF connection is changed from 32 to 200. (HTTP multicast streaming has not changed from 4,096.)
- Updated time zone database with information as of May 2018.

3.4. Specification changed in Ver. 3.0.0

- The security has been enhanced.
- Some of the import procedure of personal certificate is changed, when using client authentication.
  When importing personal certificate, check "Mark this key as exportable." that is displayed in the Certificate Import Wizard. When it is checked, the private key and the certificate can be exported on the local computer. It is necessary to take care not to leak the exported file.
- Once you update firmware to the latest version, you cannot downgrade firmware to earlier version.

3.5. Specification changed in Ver. 2.8.0

- The security has been enhanced.
  [Note] When you fail in installation of ActiveX, apply the latest Windows security patches.
- IPELA logo of WEBUI is removed.
- The responsivity of capability-video.cgi is improved.

3.6. Specification changed in Ver. 2.7.2

- The security has been enhanced.
- XML data structures for the following ONVIF HardwareFailure events are adapted for the definitions made available recently.
  - FanFailure
  - StorageFailure

3.7. Specification changed in Ver. 2.7.0

- The accuracy of Privacy masking position is improved in case when the camera pans, tilts,

and zooms.
Target model:
SNC-WR600/WR602/WR630/WR632/WR602C/WR632C

- CLOUD function is removed.
- The security has been enhanced.
- The interpretation of the ONVIF metadata was changed for compatibility improvement, and some of the output specifications were changed.
- The maximum number of sessions via HTTP multicast streaming is changed to 4096.

3.8. Specification changed in Ver. 2.6.0

- The initial value for the RTSP timeout was changed from “0” seconds (no timeout) to “60” seconds.

3.9. Specification changed in Ver. 2.5.0

- The video codec setting can be stored when the View-DR setting is changed.
  Target model:
  SNC-VB600/VB600B/VB630/VB635
  SNC-EB600/EB600B/EB630/EB630B
  SNC-VM600/VM600B/VM601/VM601B/VM630/VM631
  SNC-EM600/EM601/EM630/EM631
  SNC-XM632/XM636/XM637/XM631
  SNC-VM602R/VM632R/EM602R/EM632R
  SNC-EB602R/EB632R/EM602RC/EM632RC
  SNC-VB632D

3.10. Specifications changed in Ver. 2.4.0

- In the Action output setting, “Camera tampering detection” was deleted from the Execution Conditions for preset call.
  If the version is to be upgraded to Ver. 2.4.0 or higher, when “Camera tampering detection” is selected as an Execution Condition, change it to another option before executing version upgrade.
  If the version upgrade was performed before changing it, the settings for the Preset position and the Preset tour will be initialized, so change the value of “EventPresetPositionTriggerN” (N : 1 - 8) in the setting file saved in the computer from “tampering” to “sensor1”, and then call out the setting.
  Following are the target models.
  SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
- Regarding the setting value of the protocol that the SSL function uses, the factory setting value was changed from “SSL Ver.2/ Ver.3/TLS Ver1.0” to “TLS Ver.1.0”. Also, the setting value of the protocol that the SSL function uses can be changed by the following CGI commands.
  - When setting to TLS Ver.1.0:
    https://ip_adr/command/ssl.cgi?SSLProtocol=TLSv10
  - When setting to SSL Ver.2/SSL Ver.3/TLS Ver.1.0:
    https://ip_adr/command/ssl.cgi?SSLProtocol=SSLv23

- When checking the setting content:
  https://ip_adr/command/inquiry.cgi?inq=ssl

[Note]
When selecting SSL 3.0, use the camera in a secure network environment where there are no external connections.

3.11. Specification changed in Ver. 2.3.0

- Performance of the minimum illumination and image quality are enhanced.
  The following models are applicable.
  SNC-WR600/WR602/WR630/WR632/WR602C/WR632C

3.12. Specification changed in Ver. 2.2.0

- The ONVIF connection is possible even when the time on the camera is different from that on the client.

3.13. Specification changed in Ver. 2.1.0

- The setting in the video codec setting screen is changed to select “CBR”/“VBR”/“Auto rate control” for “Bit rate control mode” instead of the “On”/“Off” setting for “CBR”.
- The maximum number of recording is expanded to 4,000 with the EdgeStorage function.
- The setting range of the SMTP port number is expanded to 1 to 65535 with the mail send function.

3.14. Specification changed in Ver. 1.11.0

- The start of recording the post alarm is changed to the point the sensor stopped detection when the presence sensor is selected as the execution condition for the Edge Storage movie in the action output setting.
  Applicable models: SNC-CX600W, CX600
- The condition where the white LED (on or off) will change when the brightness has changed even if the sensor is detecting when the presence sensor is selected as the execution condition of the white LED in the action output setting
  Applicable models: SNC-CX600W, CX600

4. Improvement to Problems

4.1. Problems corrected in Ver. 3.2.0

- There was a problem that ONVIF Profile T Motion Region Detector configuration didn't work correctly and/or the related event was not generated properly. This problem has been corrected.
  (Problem since Ver. 3.1.0. Corrected in Ver. 3.2.0.)
- There was a problem that FTP still image sending might stop halfway when performing periodical sending. This problem has been corrected.
  (Problem since Ver. 2.7.2. Corrected in Ver. 3.2.0.)
- There was a problem that the camera might restart when multiple privacy maskings were set. This problem has been corrected.
  (Problem since Ver. 2.7.2. Corrected in Ver. 3.2.0.)
- There was a problem that ONVIF streaming could not be performed after upgrading to Ver3.1.0/3.1.1. This problem has been corrected.
  (Problem since Ver. 3.1.0. Corrected in Ver. 3.2.0.)
- There was a problem that RTSP streaming might stop halfway, when digest authentication and viewer authentication were enabled. This problem has been corrected.
  (Problem since Ver. 2.5.0. Corrected in Ver. 3.2.0.)
- There was a problem that the camera did not start up when using some HPoE HUB in the camera supporting HPoE. This problem has been corrected.
  (Problem since Ver. 1.9.2. Corrected in Ver. 3.2.0.)

4.2. Problems corrected in Ver. 3.1.0

- When the PTZ operation is performed during the position tour, there was a problem that depending on the timing, it may move to the next preset position without waiting for the set resume time. This problem has been corrected.
  (Problem since Ver. 1.10.0. Corrected in Ver. 3.1.0.)
- After changing the RTSP multicast video port number or audio port number, when connecting with multicast SSM, there was a problem that the port number of RTSP multicast was returned to the initial value. This problem has been corrected.
  (Problem since Ver. 2.6.0. Corrected in Ver. 3.1.0.)
- When RTSP streaming connection, there was a problem that only audio was connected and no video was displayed. This problem has been corrected.
  (Problem since Ver. 1.3.0. Corrected in Ver. 3.1.0.)
- There was a problem that the camera might restart when using SNMP. This problem has been corrected.
  (Problem since Ver. 1.5.0. Corrected in Ver. 3.1.0.)
- There was a problem that the camera might restart with SSL connection. This problem has been corrected.
  (Problem since Ver. 1.3.0. Corrected in Ver. 3.1.0.)
- 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.
  (Problem since Ver. 2.6.0. Corrected in Ver. 3.1.0.)
- When setting the authentication mode to digest authentication and viewer authentication

turned on, there was a problem that RTSP streaming might stop at a certain time.
(Problem since Ver. 2.5.0. Corrected in Ver. 3.1.0.)

4.3. Problems corrected in Ver. 3.0.0

- There was a problem that SNC-XM631 could not get some of the ONVIF events. This problem has been corrected.
  (Problem since Ver. 2.2.0. Corrected in Ver. 3.0.0.)
- There was a problem that an attached file may not be sent correctly when using E-mail function. This problem has been corrected.
  (Problem since Ver. 2.7.0. Corrected in Ver. 3.0.0.)
- There was a problem that the camera can't be upgraded to the specific version (2.7.2/2.7.3/2.8.0) from Ver 1.12.0. This problem has been corrected.
  (Problem since Ver. 2.7.2. Corrected in Ver. 3.0.0.)
- There was a problem that the camera can't get RTSP streaming in rare cases after power on the camera. This problem has been corrected.
  (Problem since Ver. 2.6.0. Corrected in Ver. 3.0.0.)

4.4. Problems corrected in Ver. 2.8.0

- There was a problem that the camera rarely reboots when LAN connection is disconnected repeatedly in case while connecting via RTSP over TCP streaming. This problem has been corrected.
  (Problem since Ver. 1.2.0. Corrected in Ver. 2.8.0.)

4.5. Problems corrected in Ver. 2.7.3

- There was a problem that a result of object detection wasn’t reflected to alarmdata correctly. This problem has been corrected.
  (Problem since Ver. 2.4.0. Corrected in Ver. 2.7.3.)

4.6. Problems corrected in Ver. 2.7.2

- There are no problems corrected in this version.

4.7. Problems corrected in Ver. 2.7.0

- There was a problem that connections of camera may be lost suddenly. This problem has been corrected.
  (Problem since Ver. 1.1.0. Corrected in Ver. 2.7.0.)
- There was a problem that the camera rarely reboots when capturing dark scenery via RTP streaming. This problem has been corrected.
  (Problem since Ver. 1.1.0. Corrected in Ver. 2.7.0.)
- There was a problem that the session of RTP streaming could not be disconnected in rare cases. This problem has been corrected.
  (Problem since Ver. 1.1.0. Corrected in Ver. 2.7.0.)

4.8. Problems corrected in Ver. 2.6.6

- There was a problem that the ActiveX plug-in module (Viewer/Playback Viewer/Motion detection/Face detection) can not be installed when the camera is accessed from PC. This

problem has been corrected.
(Problem since Ver. 2.6.0. Corrected in Ver. 2.6.6.)

4.9. Problems corrected in Ver. 2.6.1

- There was a problem that connections may be lost in rare cases when using the RTP over RTSP streaming. This problem has been corrected.
  (Problem since Ver. 1.2.0. Corrected in Ver. 2.6.1.)
- There was a problem that 2nd multicast streaming cannot be connected in case when unicast streaming is established first and multicast streaming is established after the first stream. This problem has been corrected.
  (Problem since Ver. 2.6.0. Corrected in Ver. 2.6.1.)
- There was a problem that the picture becomes whitish, when using RTP streaming, if the Image codec is set to JPEG and the Bit rate compression mode is set to CBR. This problem has been corrected.
  (Problem since Ver. 1.1.0. Corrected in Ver. 2.6.1.)
- There was a problem that the camera very rarely repeats rebooting after power off and on the camera. This problem has been corrected.
  (Problem since Ver. 1.7.0. Corrected in Ver. 2.6.1.)

4.10. Problems corrected in Ver. 2.6.0

- There were cases where recorded data was lost during the period between the time the streaming stopped and the time recording started and between the time the recording stopped and the time the streaming connection started, when recording was performed with the execution condition of the Edge Storage video set to “Network disconnection”. This problem has been corrected.
  (Problem since Ver. 1.2.0. Corrected in Ver. 2.6.0.)
- There were cases where recording stopped when performing recording with the execution condition of the Edge Storage video set to “Timer triggered execution” and playing with “RTSP over TCP” from the client. This problem has been corrected.
  (Problem since Ver. 1.2.0. Corrected in Ver. 2.6.0.)
- There were cases where the size of the privacy masking became larger than the one that was set if the camera was restarted after the privacy masking was set. This problem has been corrected.
  Applicable models are as follows.
  SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
  (Problem since Ver. 1.10.0. Corrected in Ver. 2.6.0.)
- There were cases where the image was disturbed if the PTZ operation was repeated with the Camera tampering detection function enabled. This problem has been corrected.
  Applicable models are as follows.
  SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
  (Problem since Ver. 1.10.0. Corrected in Ver. 2.6.0.)
- There were cases where the camera made no responses when using the RTSP multi-cast streaming if playback was executed with the next connection without disconnecting the session that was connected first. This problem has been corrected.
  (Problem since Ver. 1.1.0. Corrected in Ver. 2.6.0.)

- There were cases where the authentication was required with the Viewer even if the Viewer authentication was disabled. This problem has been corrected.
  (Problem since Ver. 2.4.0. Corrected in Ver. 2.6.0.)

4.11. Problems corrected in Ver. 2.5.0

- The problem that the maximum brightness level became low from Ver 2.3.0 was corrected. Furthermore, image quality and color noise suppression were enhanced.
  Applicable model: SNC-WR600/WR602/WR630/WR632/WR602C/WR632C
  (Problem from Ver. 2.3.0. Corrected in Ver. 2.5.0.)
- Streaming in ONVIF isn't possible in wireless connection. This problem was corrected.
  Applicable model: SNC-CX600W
  (Problem from Ver. 1.7.0. Corrected in Ver. 2.5.0.)
- There was a problem that connections with Omnicast client software provided by Genetec may be lost. This problem was corrected.
  (Problem from Ver. 1.0.0. Corrected in Ver. 2.5.0.)

4.12. Problems corrected in Ver. 2.4.0

- When a CGI access to the camera is performed, there were cases where the response became extremely slow, the video delayed, no video was obtained, or the camera restarted. This problem was corrected.
  (Problem from Ver. 1.0.0. Corrected in Ver. 2.4.0.)
- When the camera is started up with the video output setting set to PAL, it was momentarily output as NTSC. This problem was corrected.
  (Problem from Ver. 1.10.0. Corrected in Ver. 2.4.0.)

4.13. Problem improved in Ver. 2.2.1

- Value list in the list boxes of Visibility Enhancer, Exposure compensation, Auto gain Max. value and Shutter speed in picture setting page gets invalid. This problem has been corrected.
  Applicable model: SNC-VB635
  (Problem from Ver.2.2.0. Corrected in Ver.2.2.1)

4.14. Problem improved in Ver. 2.2.0

- When using alarmdata.cgi, if it is set to perform recording with EdgeStorage, there were cases where there was a few seconds of delay in response time until it is reflected to the parameter of alarmdata.cgi. This problem has been corrected.
  (Problem from Ver. 2.1.0. Corrected in Ver. 2.2.0)
- When a search is performed for the video recorded with EdgeStorage using other vendor’s client software, there were cases where search was not performed correctly. This problem has been corrected.
  (Problem from Ver. 2.1.0. Corrected in Ver. 2.2.0)
- It may be out of focus when version upgrade is performed. This problem has been corrected.
  The following models are applicable.
  SNC-VM600/VM600B/VM630/VM601/VM601B/VM631

SNC-EM600/EM601/EM630/EM631
SNC-VM602R/VM632R
SNC-EM602R/EM632R
SNC-EB602R/EB632R
(Problem from Ver. 1.12.0. Corrected in Ver. 2.2.0)

4.15. Problem improved in Ver. 2.1.3

- A specific setting may not be changed after the Factory default or the version update is performed.
  This problem has been corrected.
  The specific settings are following
  - ✧ [Preset position], [Video & PT drive refresh] : WR series
  - ✧ [Trouble sending] : All models without E series
  - ✧ [Memory card trouble detection] : All models without E/C/X series

  (Problem from Ver. 2.1.0, improved in Ver. 2.1.3)
- A recorded video may not be searched correctly with Playback Viewer.
  This problem has been corrected.
  (Problem from Ver. 2.1.0, improved in Ver. 2.1.3)
- A recorded video may not be played back from the time set up by the seek bar in the control panel of Playback Viewer when the time of PC is during a daylight-saving time.
  (Problem from Ver. 1.7.0, improved in Ver. 2.1.3)

4.16. Problem improved in Ver. 2.1.2

- When the power is turned off in the Night condition with the Day/Night mode set to auto, or when the factory initial setting is performed in the Night mode with the Day/Night mode set to manual, the color of the image may become reddish with the IR-CUT filter kept disabled even in the Day condition when the camera starts up the next time. This problem has been corrected.
  The applicable models are as follows:
  SNC-VM600/VM600B/VM630/VM601/VM601B/VM631
  SNC-EM600/EM601/EM630/EM631
  SNC-VM602R/VM632R
  SNC-EM602R/EM632R
  SNC-EB602R/EB632R
  (Problem from Ver. 1.12.0, improved in Ver. 2.1.2)
- With the action output linked to the sensor input, when it is set to send still images via email, the image file with the same file name is sent when multiple sensor inputs occur in a short period of time (within 1 second). This problem has been corrected.
  (Problem from Ver. 1.1.1, improved in Ver. 2.1.2)

4.17. Problem improved in Ver. 2.1.0

- Alarm was output for a few minutes when a major change has occurred in the whole image when the motion detection function is used. This problem has been corrected.
  (Problem from Ver. 1.1.1, improved in Ver. 2.1.0)
- Video was not played back from the specified time when the continuous recording of a

video using the EdgeStorage function is performed, and played back specifying the time. This problem has been corrected.
(Problem from Ver. 1.1.1, improved in Ver. 2.1.0)

- A video data with a blank body was sent when JPEG was selected as video codec and a bandwidth limitation is set. This problem has been corrected.
  (Problem from Ver. 1.1.1, improved in Ver. 2.1.0)
- It could not transfer from the night mode to the day mode when the wide dynamic range (View-DR) is disabled, the day/night mode is automatic, and IR irradiation link is off in the exposure setting of the video. This problem has been corrected.
  This problem occurred with SNC-VM632R/VM602R/EM632R/EM602R.
  (Problem from Ver. 1.8.0, improved in Ver. 2.1.0)

4.18. Problems corrected in Ver. 1.12.0

- The problem that the microphone volume setting in the audio sending function is not applied properly has been corrected. When the version is upgraded from Ver. 1.11.0 or earlier, the microphone volume may increase, so set the microphone volume again.
  This problem occurred with SNC-CX600/CX600W.
  (Problem from Ver. 1.7.0. Corrected in Ver. 1.12.0)
- When performing streaming using RTSP, the correct value is not applied to profile-level-id included in SDP. This problem has been corrected.
  This problem occurred with all models except for SNC-VB635 /WR630 /WR632 /WR600 /WR602.
  (Problem from Ver. 1.1.1. Corrected in Ver. 1.12.0)
- Streaming using RTSP cannot be performed properly after the setting is changed for either Eflip, wide dynamic range (View-DR), or high framerate mode. This problem has been corrected.
  This problem occurred with all models except for SNC-CX600W /CX600 /VB635 /WR630 /WR632 /WR600 /WR602.
  (Problem from Ver. 1.7.0. Corrected in Ver. 1.12.0)
- The problem that the payload of the RTP packet is sent as being divided into several packets has been corrected.
  This problem occurred with all models except for SNC-VB635 /WR630 /WR632 /WR600 /WR602.
  (Problem from Ver. 1.1.1. Corrected in Ver. 1.12.0)
- When other than “Standard” is selected in the picture mode setting, “Custom setting” may be displayed after setting. This problem has been corrected.
  This problem occurred with SNC-CX600/CX600W.
  (Problem from Ver. 1.7.0. Corrected in Ver. 1.12.0)

4.19. Problems corrected in Ver. 1.11.0

- The vertical streak noise was seen in the image. This problem has been corrected.
  This problem occurred with SNC-VB635.
  (Problem from Ver. 1.10.0. Corrected in Ver. 1.11.0)
- It may take approximately 8 minutes from the time the power is turned on until booting is completed. This problem has been corrected.

This problem occurred with SNC-WR630/WR632.
(Problem from Ver. 1.10.0. Corrected in Ver. 1.11.0)

- There was a problem that automatic address acquisition by the DHCP was not possible when connecting to the Wi-fi network if the MTU size is set to less than 1280.A modification was made so the MTU size cannot be set to 1280 or less.
  This problem occurred with SNC-CX600W.
  (Problem from Ver. 1.7.0. Corrected in Ver. 1.11.0)
- Some of the tab was not displayed if the scale of the screen was not 100% when the setting screen was displayed using Microsoft Internet Explorer. This problem has been corrected.
  (Problem from Ver. 1.1.1. Corrected in Ver. 1.11.0)

4.20. Problems corrected in Ver. 1.10.0

- There are no problems corrected in this version.

4.21. Problems corrected in Ver. 1.9.2

- With Edge Storage movie recording, the data is partially not recorded during long-period recording. This problem has been corrected. For the precautions when the overwriting setting is enabled, refer to 5.7.
  (Problem from Ver. 1.1.1. Corrected in Ver. 1.9.2)
- When the video output format is changed by operating the NTSC/PAL selection switch on the camera main body, it may not operate correctly. This problem has been corrected.
  This problem occurred with SNC-EB600B.
  (Problem from Ver. 1.9.0. Corrected in Ver. 1.9.2)

4.22. Problems corrected in Ver. 1.9.0

- Playback Viewer could not be used when a specific setting was made in "Clock, Language and Region" - "Change the date, time, or number format" - "Formats" in Windows. This problem has been corrected.
  (Problem from Ver. 1.7.0. Corrected in Ver. 1.9.0)
- The camera got rebooted when a bit rate exceeding 4 Mbps was set on the setting for image 2 or image 3 of video codec. A correction was made so that a bit rate exceeding 4 Mbps cannot be set.
  This problem occurred with SNC-CX600W.
  (Problem from Ver. 1.7.0. Corrected in Ver. 1.9.0)
- A recorded video could not be played back or saved with Playback Viewer by SSL connection. This problem was corrected.
  (Problem from Ver. 1.7.0. Corrected in Ver. 1.9.0)
- The volume setting of the Audio Upload right after it has booted was not reflected on actual behavior. This problem was corrected.
  (Problem from Ver. 1.1.1. Corrected in Ver. 1.9.0)

4.23. Problems corrected in Ver. 1.8.0

- The problem that area zoom and vector dragging could not be performed on the plug-in free viewer. This problem has been corrected.
  (Problem from Ver. 1.7.0. Corrected in Ver. 1.8.0)

4.24. Problems corrected in Ver. 1.7.0

- The problem that the moving object detection setting or the face detection setting cannot be performed in SSL connection is corrected.
  (Problem from Ver. 1.6.0. Corrected in Ver. 1.7.0)

4.25. Problems corrected in Ver. 1.6.0

- There are no problems corrected in this version.

4.26. Problems corrected in Ver. 1.5.1

- The additional workaround procedure, for upgrading firmware from Ver.1.4.0 or lower to avoid picture quality degradation, is no longer required.
  (Problem from Ver. 1.5.0. Corrected in Ver. 1.5.1.)
- The web server in the camera occasionally may not respond. This problem is corrected.
  (Problem from Ver. 1.4.0. Corrected in Ver. 1.5.1.)

4.27. Problems corrected in Ver. 1.5.0

- The HTTP streaming interruption time when the parameters of the video codec are changed is improved.
  (Problem from Ver. 1.1.1. Corrected in Ver. 1.5.0.)
- In the Edge Storage movie function, Recording capacity/Pre-alarm period does not work. This problem is corrected.
  (Problem from Ver. 1.4.0. Corrected in Ver. 1.5.0.)
- The action output using moving object detection does not work, or the detection result is not correctly notified to alarmdata.cgi. This problem is corrected.
  This problem occurs under the following conditions.
  - ✧ SNC-VB600/VB600B/VB630
  - ✧ With SNC-VM600/VM600B/VM601/VM601B/VM630/VM630/VM631/VM631, Eflip is set to “On” in the System menu/Installation tab.

  (Problem from Ver. 1.4.0. Corrected in Ver. 1.5.0.)
- The action output using Left object· Removed object does not work, or the detection result is not correctly notified to alarmdata.cgi. This problem is corrected.
  (Problem from Ver. 1.4.0. Corrected in Ver. 1.5.0.)
- The problem that the focus position may not be saved is corrected.
  (Problem from Ver. 1.1.1. Corrected in Ver. 1.5.0.)
- Video 3 cannot be set while wide dynamic range (View-DR) is set to On (check box selected on the setting screen), and the image size of Video 1 is set to 1920x1080. This problem is corrected.
  SNC-VB630/VM630/VM631 had this problem.
  (Problem from Ver. 1.4.0. Corrected in Ver. 1.5.0.)
- The setting of the High framerate mode is moved from the “Installation” tab in the “System” menu to the “Video codec” tab in the “Video / Audio” menu.
  (Problem from Ver. 1.1.1. Corrected in Ver. 1.5.0.)
- The “Edge Storage movie” tab and the “Edge Storage still image” tab in the “Action output” menu are integrated into the “Edge Storage” tab.

(Problem from Ver. 1.4.0. Corrected in Ver. 1.5.0.)

4.28. Problems improved in Ver. 1.4.0

- When the SSL client authentication and the viewer authentication are turned ON at the same time, video could not be viewed on ActiveX viewer. This problem has been corrected.
  (Problem from Ver. 1.3.0, improved in Ver. 1.4.0)
- During Edge Storage movie recording, there were cases where the recording time was 1% shorter than the set time. This problem has been corrected.
  (Problem from Ver. 1.3.0, improved in Ver. 1.4.0)
- The aspect ratio of analogue video output is changed. New version shows 4:3 aspect video, while previous version shows 16:9 with letter box or 5:4 with pillar box.
  SNC-VB630, VB600 and VB600B showed 16:9 aspect video with letter box by cutting both side of the image.
  SNC-VB600,VB600B,VM600,VM600B,VM601 and VM601B showed 5:4 aspect video with pillar box by cutting top-and-bottom of the image.
  (Problem from Ver. 1.1.1, improved in Ver. 1.4.0)

4.29. Problems improved in Ver. 1.3.1

- In the setting combination of H.264 and CBR, frame rate will down after a certain time. The time until the problem occurs depends on the combination of frame rate and bit rate. This problem has been corrected.
  (Problem from Ver. 1.1.1, improved in Ver. 1.3.1)

4.30. Problems improved in Ver. 1.3.0

- There was a case where an invalid entry number that was not actually recorded was included in the search command result of Edge Storage. This problem has been corrected.
  (Problem from Ver. 1.2.0, improved in Ver. 1.3.0)
- For the “Pre-alarm period” setting of Edge Storage, if the “Pre-alarm period” setting value was changed and “Audio” is turned on at the same time, there was a case where the setting was not applied even when the “OK” button was pressed. This problem has been corrected.
  (Problem from Ver. 1.2.0, improved in Ver. 1.3.0)
- When using alarmdata.cgi, the result of the moving object detection can be obtained for each detection area.
  (Problem from Ver. 1.1.1, improved in Ver. 1.3.0)
- The problem that “Timeout” was displayed when changing the port number of the camera by using the SNC easy IP setup program was corrected in SNC easy IP setup Ver. 1.0.1.
  (Problem from SNC easy IP setup Ver. 1.0.0, improved in Ver. 1.0.1)

4.31. Problems improved in Ver. 1.2.0

- Maintained time of Day/Night
  An improvement was made to the problem that the maintained time of Day/Night was switching before the set time due to the setting of the wide dynamic range level.
  (Problem from Ver. 1.1.1, improved in Ver. 1.2.0)

- Viewer authentication
  An improvement was made to the problem in the operation of viewer authentication.
  (Problem from Ver. 1.1.1, improved in Ver. 1.2.0)

5. Precautions for Setting

5.1. Precautions for Streaming

- JPEG band limitation
  The JPEG band limitation function is only effective for the JPEG video streaming that is started by an HTTP call control.
- Notes on Wi-Fi connection
  To perform video streaming in Wi-Fi connection, be sure to limit the number of video streaming clips or set the bit rate or other settings for the video codec in order to meet the following conditions.
  - ✧ To stream video 1 only: The sum of the bit rate of each streaming clip should not exceed 6 Mbps.
  - ✧ To stream video 1 and video 2: The sum of the bit rate of each streaming clip should not exceed 4 Mbps.
  - ✧ To stream all of video 1, video 2, and video 3: The sum of the bit rate of each streaming clip should not exceed 2 Mbps.

5.2. Image codec setting restriction

- Note on changing the video codec parameters
  There are cases where video codec parameter change or image codec selection cannot be selected depending on the combination of setting parameters. This is for not displaying any setting values exceeding the camera's resource limit. If there is no desired setting value in the setting value list box, decrease the setting value of other parameters and then check if the desired setting value appears in the list box. Clicking the "OK" button applies the setting values on the menu screen to the camera.
- When the frame rate is set to 60 or 50 fps, video delay may increase if any of the following tabs is open in the Video / Audio menu.
  - ✓ Picture tab
  - ✓ Focus tab
  - ✓ Superimpose tab
- When the frame rate is set to 60 or 50 fps, set the bit rate to no more than 8 Mbps.
- When the frame rate is set to 60 or 50 fps, symptoms such as greater video delay or intermittent voice occur depending on the video data under conditions such as enabling image codec2 or audio, or streaming on multiple clients. In such a case, take countermeasures such as lowering the bit rate, turning off image codec2, decreasing the number of simultaneous streaming, or turning off audio.
- When the frame rate is set to 60 or 50 fps, if moving object detection is enabled, the video may delay.
- Note on setting three types of image codec
  To set all of the three types of image codec:
  Set High framerate mode to "Off" in the System menu / Installation tab.
  And then click the "OK" button. This setting change takes about 20 seconds.

Before performing this setting change, close all the applications and browsers that show camera image and sound.

5.3. Precautions on the sensor input

- Retain the signal to be connected to the sensor input at least for two seconds. If the retention time is short, an event may fail to be detected.
- To use video streaming in the SSL connection
  It should be 1 Mbps or lower bit rate setting, 30 fps or lower frame rate, and 2 or less simultaneous streaming videos. If this condition is not met, some sensor input events may fail to be detected.

The above results are the ones measured under an ideal environment. The performance may not be obtained depending on the environmental conditions (communication distance, obstacles, radio wave environment factor such as a microwave, performance of the computer to be used, etc.)

5.4. Precautions regarding memory cards

- Inserting and ejecting a card
  - To insert or eject a memory card, turn off the power of the camera before executing.
  - Before ejecting a memory card from the camera, set “Edge Storage” in the “Execution Condition” tab of the “Action output” menu to “Off”, and turn off the power of the camera after waiting for 10 seconds or longer.
- Formatting
- Always format the memory card with the camera before using it.
- If ver. 1.10.0 or before is used, to record still images or movies with the overwriting setting enabled, format the memory card beforehand using SD Formatter provided by SD Association. Download SD Formatter from the SD Association website (https://www.sdcard.org/home/).
  - The 64 GB SD card formatted with Ver. 2.1.0 or later cannot be used with the camera earlier than Ver. 2.1.0.
  - The SD card that recorded 500 or more items with Ver. 2.1.0 or later cannot be used with the camera earlier than Ver. 2.1.0.

5.5. Precautions regarding Edge Storage

- To record H.264, set as follows.
  - Set “Bit rate” to 2 Mbps or lower.
  - Set “Frame rate” to 30 fps or lower.
  - Set “I-picture interval” to 1 second.
- Set as follows when recording JPEG with image size 1280 x 720 or larger.
  - Set “Frame rate” to 1 fps.
  - SNC-VB600,VB600B,VM600,VM600B,VM601,VM601B, VM602R, CX600W, CX600, WR600, WR602, WR602C: “Image quality” to 5 or lower.
  - SNC-VB630,VM630, VM631, VM632R, VB635, WR630, WR632, WR632C, XM631, XM632, XM636, XM637: “Image quality” 2 or lower.
- When recording, set Image codec2 and 3 to Off.

- When using manual recording, set “Edge Storage” in the “Execution Condition” tab of the “Action output” menu to anything other than “Off”.
- If the recorded data in the camera is streamed while recording the video and audio with the camera, the playback audio may become intermittent. In such a case, take countermeasures such as not streaming more than one clip, or playing back after stopping video and audio recording.
- If there is any problem on the video or audio data such as frame skip or intermittent voice, check if more than one streaming clip are being recorded.
- The recorded data of Edge Storage is intended to be played back using the RTSP protocol.
- When recording is performed with the video codec set to H.264 VBR (CBR off), the recording data may become very large depending on the settings or recorded scenes, which may cause image frames to drop or the audio to be interrupted. Make sure to check the codec setting and conditions before practical use.
- If the settings are inherited from a version before Ver.1.7.0, the user with the full authority cannot use the playback viewer. In such a case, refresh the setting by selecting the “Playback” checkbox on the user setting screen for the user to be allowed to use the playback viewer.

5.6. Moving object detection / VMF (including removed object and left object detections)

- A detection mistake may occur when focus adjustment or image adjustment is performed during the interruption detection. Perform these adjustments before using the moving object detection / VMF.
- External disturbances such as a change in lighting may be detected mistakenly. Perform an operational test beforehand to ensure that it operates correctly.
- If the luminance information of the background image and that of the object whose removal or remaining is to be detected are close, incorrect judgment may be made mistakenly switching its removal and remaining, or no notification may be issued. Perform an operational test beforehand to ensure that it operates correctly.
- When the focus refresh function is executed while the motion detection is in progress, a detection failure may occur. Be sure to perform the operation test when executing by schedule setting.

5.7. SNMP

- The link local address is notified as the agent-address upon Authentication failure in the case of SNMP v1.
- If the camera is set with the combination of DHCP and SNMP v1, the link local address is notified as the agent address of the Cold start trap.
- The authentication that is supported by SNMP v3 is MD5 only.
- SNMP v3 cannot obtain the Cold start or Link up trap immediately after startup.

5.8. Precautions for using CGI directly

When setting bit rate, time zone or other items, if values that are not supported by the setting screen GUI are set to the camera by using CGI, the set values cannot be displayed on the setting screen GUI. In such a case, check the set values by using the inquiry command of CGI.

5.9. Precaution when selecting a picture mode

If the NTSC/PAL setting of the camera was changed, be sure to close the Web browser and reopen it before using the picture mode selection. If it is not closed and reopened, incorrect setting values may be applied to the camera.

5.10. Network settings during Wi-Fi connection

When performing the network setting from the SNC toolbox during Wi-Fi connection, it may take more than 30 seconds depending on the access point setup status or other factors. In such a case, the setting is saved on the camera, but an error appears on the toolbox. Refer to the notes in the Quick Start Guide to take appropriate measures as necessary.

5.11. Precaution on PTZ position when changing

When the setting for the video out or the high framerate mode is changed, the PTZ position of the camera moves to the HOME position. In such a case, adjust the PTZ position after changing the setting.

This limitation is applicable to the following models.

SNC-WR630/WR632/WR600/WR602/WR632C/WR602C

5.12. Precaution on the setting of the preset position

If the preset position is set while auto flip is on, the Pan and Tilt position may move from the registered position when it is called. In such a case, register the preset position while auto flip is off.

This limitation is applicable to the following models.

SNC-WR630/WR632/WR600/WR602/WR632C/WR602C

5.13. Precaution on the setting of the Adaptive rate control function

The maximum value and the minimum value can be set with the adaptive rate control, but the bit rate that is actually delivered may be higher or lower depending on the set image size, recorded scene, network environment, etc.

5.14. Precaution on the firmware upgrade using HTTPS

The update may not complete when the version update is performed with HTTPS. In such a case, perform the version update with HTTP.

5.15. Precaution regarding the FTP still image send function

- The still image may be sent before focusing after pan, tilt, and zoom have moved to the preset position when performing FTP still image send linked to the preset tour.
  In such a case, set the focus mode to manual.
  This restriction is present in the following models.
  SNC-WR630/WR632/WR600/WR602/WR632C/WR602C
- Even if the event for action input occurs multiple times in a short cycle, FTP transmission of a still image is not performed for 5 seconds.

5.16. Precaution on the setting of the I-picture interval

There are cases where the I-picture interval exceeds 5 seconds when the I-picture interval is set to

"Frame". Since the I-picture interval must be 5 seconds or less when using the EdgeStorage function at the same time, the EdgeStorage function cannot be enabled if the value derived by dividing "Frame" by "Frame rate" is 5 or larger.

6. Known issues

6.1. Precautions for unicast / multicast port number setting

In the "Streaming" tab of the "Video / Audio" menu, the port number set for "Multicast streaming" cannot be set as the port number for "Unicast streaming". Similarly, the port number set for "Unicast streaming" cannot be set as the port number for "Multicast streaming".

When trying to change the port numbers for "Unicast streaming" and "Multicast streaming" simultaneously, if the port number that is already used is to be set for the other transmission function, the setting will not be applied. In such a case, set the port number for "Unicast streaming" and the port number for "Multicast streaming" separately.

[Example]
When
"Unicast streaming" video port 1=50000
"Multicast streaming" video port 1=60000
are set, the settings of
"Unicast streaming" video port 1=60000
"Multicast streaming" video port 1=50000
cannot be changed simultaneously.
Change the setting to
"Unicast streaming" video port 1=50100
and then change to
"Unicast streaming" video port 1=60000
"Multicast streaming" video port 1=50000

6.2. Precautions when using the product by connecting to Sony recorders

When using the product with the combination of the video codec set to H.264 and "CBR" set to "Off", the version of the product should be v1.6.1 or later.

6.3. Precautions when executing Easy Focus

Update of the video on the setting screen may stop. In such a case, click the "Focus / Zoom" tab with a mouse to reload the screen.

6.4. Precautions on the analog video output

When the image size of Video 1 is set to 1920x1080, and "High framerate" is set to "ON", the analog video output automatically turns OFF.

This limitation is applicable to the following models.

SNC-VB630/VM630/VM631/VM632R/VB635/VB632D/VB640/VB642D/VM641/VM642R/EB640/EB642R/EM641/EM642R

6.5. Precautions on operations using the panorama panel

While a panorama image is displayed on the panorama panel, there are some points near the upper or lower end of the panorama panel where the Pan and Tilt position cannot be changed by

clicking.
This limitation is applicable to the following model.
SNC-WR630/WR632/WR600/WR602/WR632C/WR602C

6.6. Precautions on the display of the privacy mask after changing the video out setting

If the video out setting is changed while the privacy mask is displayed, the mask may not be displayed. In such a case, restart the camera.
This limitation is applicable to the following model.
SNC-WR630/WR632/WR600/WR602/WR632C/WR602C

6.7. Precautions when playing back on Playback Viewer

When the image recorded during the daylight saving time period is played back on Playback Viewer out of the daylight saving time period, the display time of playback may be 1 hour earlier. Also, when the image recorded out of the daylight saving time period is played back on Playback Viewer during the daylight saving time period, the display time of playback may be 1 hour later.

6.8. Precautions when using Plug-in free Viewer

When the Area zoom is used on Plug-in free Viewer, the image codec 2 of Video codec setting should be set to H.264 or JPEG from Off.
This limitation is applicable only in Ver 2.2.1. [except the following model]
SNC-WR630/WR632/WR600/WR602/WR632C/WR602C/EM602RC/EM632RC

6.9. Precautions when using the bitrate compression mode

This unit is supposed to be used with the frame skip always disabled when the bitrate compression mode is CBR. However, “Accept frame skip” is unintentionally set to be enabled if “Bitrate compression mode” in the “Video codec” tab is set to “VBR” once, and “Maximum bit rate limit” is applied, and then only “Bitrate compression mode” is changed to “CBR” from the state where “Accept frame skip” is set to be enabled.
In such a case, make sure to change “Bitrate compression mode” to CBR after disabling “Accept frame skip”.
(Note: The setting of the CGI parameter “H264FrameSkip1,2,3” is applied regardless of the “on” or “off” status of “CBR1,2,3”. In the case of CBR (when “CBR1,2,3” is “on”), make sure to use by setting the corresponding “H264FrameSkip1,2,3” to “off”.
(Problem since Ver. 2.1.0.)

6.10. Precautions when upgrading the firmware using SSL function

Please disable SSL function when you upgrade the firmware.
When the SSL function is enabled of the camera, the camera may not be controlled properly. In that case, please disable SSL function.
After upgrading the firmware to other version, the camera work properly with SSL function.
The model and version with this issue are as follows:
Model : Version
All model : Ver 2.7.0 – Ver 2.8.0