

SONY®

IMZ-RS401/404/409/416/432

Version 4.2.1 Release Note 1st Edition

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URL: http://www.sony.co.jp/Products/RSM/RSM_acknowledgements.html

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1 Features of RealShot Manager

1-1 Additional features by v4

1-1-1 v.4.0

- Support metadata of the moving/unattended object detection
SNC-RX550, RZ50, and CS50 detect moving/unattended object detection by the camera side which sends the position and the size of the object as a metadata. Alarm occurs by filtering this metadata.
- Playback of recording data on the alarm window
Playback of recording data is available by clicking the list in the alarm window of the main screen
- Search recording data by specifying the type of the trigger which causes alarm
Searching recording data is available by specifying the trigger to activate the alarm.
- Simultaneous playback function
Multiple recordings can be played back simultaneously by specifying a playback start time.
- Improvement of reverse playback function of MPEG 4 image data
When performing reverse playback of MPEG 4 image data, more natural reverse playback is available by playing back only I frame; which is a standard frame of the image.
- Support VCL manufactured protocol for SNT-V704
Selecting the protocol manufactured by VCL for SNT-V704 is now available.

1-1-2 v4.1

- Support VMD Mode (Standard / Advanced) with Video Motion Detection (Recorder)
Selecting the VMD Mode, Standard mode with less processing load or Advanced mode with better detection accuracy, is now available.
- Prepare 2 preregistered layouts when newly installed
When RealShot Manager is newly installed, 2 layouts are prepared in advance. Creating a layout after installation is no longer necessary.
- Support dual-core CPU
Operation is now available with Intel-made dual-core CPU.

1-1-3 v4.2

- Support SNC-DF50 and SNC-DF80
Sony IP camera, SNC-DF50 and SNC-DF80 are newly supported.
- End of archive function support
The archive function is now not supported.

1-2 Available Platform

1-2-1 Support OS

- RealShot Manager (Standard)/RealShot Manager (Controller)/RSM
File player

Microsoft Windows XP Professional (except x64 edition)

Microsoft Windows Server 2003 (except x64 edition)

Microsoft Windows 2000 Server

Microsoft Windows 2000 Professional

(* When RealShot Manager is running on Microsoft Windows XP Service Pack2 or Microsoft Windows Server 2003 Service Pack1, it might become not to be able to connect other network device after some connection error happens over predefined times. It is caused by the specification of these OS. About detail information of this, please refer the following URL:

<http://www.microsoft.com/technet/prodtechnol/winxpro/maintain/sp2netwk.mspx>

"Limited number of simultaneous incomplete outbound TCP connection attempts"

(* It is required that the setting regarding firewall for a server shall approve connection to RealShot Manager.exe in case that RealShot Manager installed under Microsoft Windows XP Service Pack2 or Microsoft Windows Server 2003 Service Pack1 will be used as the server of RealShot Manager (Controller)

(* In the case of Server OS, such as Microsoft Windows 2000 Server and Microsoft Windows Server 2003, processing for background jobs are prioritized than application programs with initial setting of OS, so performance of RealShot Manager might be more reduced than the case of using Microsoft Windows XP. In this case, it might be improved by tuning up or changing setup for OS, etc.

1-2-2 Recommended PC

We have verified that RealShot Manager works normally using following PC.

1-2-2-1 IMZ-RS401 / 404

- Product name: Dell Optiplex GX260
CPU: Intel Pentium 4 2.5GHz
Memory: 512MB
HDD: 40GB ATA drive
Network: Intel Pro 1000 MT
- Product name: FSV-IPM1
CPU: Intel Pentium 4 2.4GHz
Memory: 512MB
HDD: 250GB Hitachi Deskstar HDS722525VLAT80
Network: Intel Pro 1000 MT

1-2-2-2 IMZ-RS409

- Product name: Dell Optiplex GX260
CPU: Intel Pentium 4 2.5GHz
Memory: 512MB
HDD: 40GB ATA drive
Network: Intel Pro 1000 MT
- Product name: Dell Optiplex GX280
CPU: Intel Pentium 4 2.8GHz
Memory: 1GB
HDD: 160GB SATA drive
Network: Intel Pro 1000 MT

- Product name: FSV-IPM1
CPU: Intel Pentium 4 2.4GHz
Memory: 512MB
HDD: 250GB Hitachi Deskstar HDS722525VLAT80
Network: Intel Pro 1000 MT

- Product name: Dell Precision450
CPU: Intel Xeon 2 GHz (x2)
Memory: DDR-SDRAM 1 GB
HDD: 33GB (“33GB Ultra320”),
33GB (“33GB Ultra320”x2, Hardware RAID-1)
Network: Intel PRO 1000MT (10/100/1000)

- Product name: Dell PE1420 Xeon HT
CPU: Intel Xeon 2.8GHz (x2)
Memory: DDR2 SDRAM 2GB
HDD: 240GB (“80GB Ultra320”x4, Hardware RAID-5)
Network: Intel PRO 1000 MT (10/100/1000)

1-2-2-3 IMZ-RS416

- Product name: Dell Precision450
CPU: Intel Xeon 2GHz (x2)
Memory: DDR-SDRAM 1GB
HDD: 33GB (“33GB Ultra320”),
33GB (“33GB Ultra320”x2, Hardware RAID-1)
Network: Intel PRO 1000 MT (10/100/1000)

- Product name: DELL PE1420 Xeon HT
CPU: Intel Xeon 2.8GHz (x2)
Memory: DDR2 SDRAM 2GB
HDD: 240GB (“80GB Ultra320”x4, Hardware RAID-5)
Network: Intel PRO 1000 MT (10/100/1000)

- Product name: DELL Precision 380
 CPU: Intel Pentium 4 3.4 GHz
 Memory: 1 GB
 HDD: 320GB Serial ATA
 Network: Intel PRO 1000

1-2-2-4 IMZ-RS432

- Product name: Dell PowerEdge2600
 CPU: Intel Xeon 2GHz (x2)
 Memory: DDR2 SDRAM 1GB
 HDD: 102GB (“34GB Ultra320”x4, Hardware RAID-5)
 Network: Intel PRO 1000 XT

- Product name: Dell PE1420 Xeon HT
 CPU: Intel Xeon 2.8GHz (x2)
 Memory: DDR2 SDRAM 2GB
 HDD: 240GB(“80GB Ultra320”x4, Hardware RAID-5)
 Network: Intel PRO 1000 MT (10/100/1000)

- Product name: DELL Precision 380
 CPU: Intel Pentium 4 3.4 GHz
 Memory: 1 GB
 HDD: 320GB Serial ATA
 Network: Intel PRO 1000

- Product name: DELL Precision 380
 CPU: Intel Pentium Extreme Edition 3.46GHz
 Memory: 1GB
 HDD: SATA 80GB
 Network: PCI Express Broadcom BCM5721 10/100/1000
 Gigabit Ethernet

- Product name: HP XW-4300
CPU: Intel Pentium D 3.6GHz
Memory: 1GB
HDD: SATA 250GB
Network: Broadcom 5751 10/100/1000 Gigabit Ethernet

- Product name: HP XW-4400
CPU: Intel Core 2 Duo 2.66GHz
Memory: 1GB
HDD: SATA 80GB
Network: Broadcom 5755 NetXtreme Gigabit Ethernet

- Product name: Dell PowerEdge 2900
CPU: Intel Xeon 3.0GHz (x2)
Memory: 1GB
HDD: SCSI 300GB
Network: Broadcom BCM5708 NetXtreme 2 Gigabit Ethernet

1-2-2-5 CPU

- Intel Pentium 4 or higher (Only Intel-made CPUs are available for RealShot Manager)

1-2-2-6 Video Card

1024 x 768 pixel (16 / 24-bit color) or higher

1-2-2-7 Required environments to use motion detection module of the RealShot Manager

Our verified operation environment is:

JPEG, 10fps, QVGA, 50% Image quality, 50% color level
Intel PentiumD 3.4GHz
Microsoft Windows XP Professional + SP2
50% CPU usage

With above condition, 20 cameras sets with Standard mode and 15 camera sets are verified to operate properly.

Please refer to this information when selecting your computer with your environment.

1-2-2-8 Maximum recordable number

The approximately 1,200,000 alarm recordings are supported with the following version and PC.

- RealShot Manager
version 4.2.0
- PC
Microsoft Windows XP Professional
Intel Pentium 4 2.4GHz
Memory 1GB

1-2-3 Support Camera Information (firmware version information)

SNC-RX550 (v1.14 or higher)

SNC-CS50 (v1.14 or higher)

SNC-RZ50 (v1.14 or higher)

SNC-DF50 (v1.05 or higher)

SNC-DF80 (v1.05 or higher)

SNC-P1 (v1.22 or higher)

SNC-P5 (v1.22 or higher)

SNC-CS10 (v1.01 or higher)

SNC-CS11 (v1.01 or higher)

SNC-DF40 (v1.12 or higher)

SNC-DF70 (v1.12 or higher)

SNC-RZ25 (v1.23 or higher)

SNC-RZ30 (v2.13, v3.03 or higher)

SNC-Z20 (v1.02 or higher)

SNC-CS3 (v1.04 or higher)

SNC-VL10N (NTSC/v1.4.10 or higher)

SNC-VL10P (PAL/v1.4.2 or higher)

SNT-V704 (v2.110 or higher)

SNT-V504 (v2.03 or higher)

SNT-V501 (v2.06 or higher)

SNT-V304 (v2.31 or higher)

(All devices above is Sony product)

(Words in parentheses are firmware version information of the camera)

2 Important Notice

1. **“Passing” filter of VMF and inactive frame area**

When applying “Passing” filter with VMF function, inactive frame area is ineffective.

If you wish to set up inactive frame area, setup filter lines separately so that the inactive area will not cover the same area.

2. **Effects of deleting I/O box when searching by specifying the alarm trigger**

When you make any change or deletion to I/O box, specifying the trigger for the alarm recording data of its I/O box pin may not be available. Because of this, when an item except for “all” is selected in the search function by the alarm trigger, the data may not be displayed.

In this case, please select “all” to display.

3. **Support CPU**

Support CPU is Intel Pentium 4 or higher from RealShot Manager v4.0.0. Please use this information for your reference when upgrading your version.

4. **When the image from the camera is distorted by specifying a certain image size**

Proper images are not available when you specify 448x336, 544x408, and 576x432 when using SNC-DF40P, DF70P, RZ25P (these 3 PAL versions only). Please select a different image size.

5. **Changing the name of the I/O box during the use of VMF.**

If the name of the I/O box is changed when using VMF function, its operation might not operate properly.

After this change is made, turn off VMF function first, then turn it back on and make sure to work properly.

6. VMF search with a server-client configuration

With a server-client configuration, VMF search on the client computer may be terminated, and the message dialog appears noticing as below.

“The processing load of the client computer has become too heavy.
Searching has been terminated.”

This tends to happen when the processing speed of the client computer is too slow compared to that of the server computer, or when the more frequent search results appear. Also, the number of the connected servers does effect.

When the searching is terminated, try to shorten the search period or setup the VMF to lower the frequency of the search result. To continue the remaining search, restart searching with the time after the last search result occurred.

7. Changing the camera settings when alarm recording is performed by VMF

In RealShot Manager, the camera settings can be changed while an alarm is occurring, but if you attempt to change alarm recording by applying VMF, metadata may be reset. There are no tangible effects with instantaneous detecting function “Passing” type for example, but in the “Existing” type, alarm (recording) status is cleared and the object detected by “Unattended object detection” is deleted. When applying alarm recording with VMF function, make sure to check that alarm behavior can be performed properly before operating.

8. Launching Archiving service errors

RealShot Manager requires restarting the OS after version upgraded.

The following message can be disregarded since the archive support function is currently not supported.



9. Frame rate during JPEG scheduled recording

JPEG scheduled recording can be performed at the frame rate which was preconfigured for each schedule, although MPEG4 scheduled recording is performed at the frame rate configured by the camera.

3 Limitations

3-1 Known Limitations

[No.4-19] The problem that cancellation for the VMD (Camera) setting becomes invalid

Changes for the VMD (Camera) setting may be reflected even if you exit from the VMD (Camera) dialog box without the “Apply” button being clicked.

This problem will occur when the camera shown below works as a controller in the client-server configuration,

SNC-RZ30, SNC-CS3, SNC-Z20

When operating RealShot Manager with the VMD (Camera) setting enabled, please be sure to check the detection result.

[No.4-18] The problem that the VMD (Camera) does not work normally after the user ID / password for camera was changed

The VMD (Camera) does not work normally after the user ID / password for connecting to a camera was changed on RealShot Manager.

If the user ID / password for connecting to a camera was changed, please reboot RealShot Manager.

[No.4-17] The problem that the detection does not work while the VMD (Camera) settings are performed

For the following cameras, the problem that the detection does not work while the VMD(Camera) settings are performed may occur,

SNC-RX550, SNC-RZ50, SNC-CS50, SNC-DF50,
SNC-DF80

In that case, please close Setup Manager window once, and then open it again to reconfigure the VMD(Camera) settings.

[No.4-16] The problem that a server may abend when a controller removes the registered camera that is being monitored on the server.

When a controller removes the camera which was registered in the server while the camera is being monitored on the server, the sever may abend.

To avoid this problem, please don't monitor the camera on the server when the controller removes the camera.

[No.4-13] The problem that playback will not operate normally if it plays back 25 hours or longer continuously.

If you continuously play back with 25 hours or longer regardless of playback speed, playback performance may become abnormal even though the recording data is normal. However, there will be no crash in the recording data and have no affect on other functions by this phenomenon. Please do not playback over 25 hours continuously. If the abnormal performance occurs, you are able to go back to the normal performance by pressing "Pause" button once.

[No.4-12] The problem that low "Image Quality" for MPEG4 data may cause delay of monitoring in a controller.

Display refreshing may delay when you monitor very low quality (1% for example) of MPEG4 image in a controller. This problem doesn't occur in a server.

You can avoid this problem by either of method:

- Please configure the MPEG4 "Image Quality" higher.
- Please configure the "Update Speed" for the camera monitoring window lower.

[No.4-11] The problem that the appearance time of pink object frame which displays the time condition was satisfied by VMF may be incorrect when performing playback in the middle of recording data.

In case of trying to display the result of “Existing” or unattended object detection by VMF while performing playback in the middle of recording data by the VMF search or the playback tool, the appearance time of pink object frame which is satisfied the VMF condition may be different from the real time (performance); however if playback is performed from the beginning, the same results appear with the real time monitoring.

If you wish to know the time of when VMF condition was satisfied in real time, perform one of the following functions; an alarm recording by VMF, or to see the list of VMF search results, or to playback the recording data from the beginning.

[No.4-10] The problems that the names of cameras in recording folders and files are resulted in differing from the settings made.

The recording folders and files include the camera names; however when the following codes are included in the names of cameras, the different letters will be used in recording folders and files.

¥	0x5c
/	0x2f
:	0x3a
*	0x2a
?	0x3f
"	0x22
<	0x3c
>	0x3e
	0x7c

This phenomenon appears regardless of whether or not the multibyte characters are used.

There is no problem with RealShot Manager operation, however be aware of using Media File Player because it handles the recording files directly.

[No.4-5] The problem that any control from GUI becomes disabled when “export recording” with Microsoft Windows Server 2003.

When using “export recording” with Microsoft Windows Server 2003, processing hourglass icon appears and stays while any control from GUI tend to become disabled although server process is continued.

In this case, stop the recording on the client PC and reboot the server PC.

To avoid this problem, "export recording" should be operated on the client PC.

[No.4-3] The problem of VMF search may contain the deleted recording data

VMF search may apply when:

- deleting recoding data by using cleanup or data overwriting function.
- making a deleting on the “Search recoding” window.

However, playback is not available since there is no recording data of the image. (The RealShot Manager software itself is available)

To avoid this, specify only the time when recoding data exists.

[No.4-2] The problem of imaging data not converted properly when exporting it with a different image size from the original image size

When your computer monitor is set as 16 bit color, exporting may not work properly if the exported recording data is changed to a different image size from its original size.

Please set your computer monitor as 24 bit color or higher when exporting.

[No.4-1] The problem happens when adding multiple cameras in the audio section of the tree structure with server/client configuration

With using server/client configuration, if you select multiple cameras in the “Setup Manager” on the client side and copying them under the audio section tree by dragging and dropping, the storage location of the sound from the second camera is displayed as blank although they are properly copied on the server side.

Once you close and reopen the “Setup Manager” window on the client side of the computer, the display will be available.

[No.3-31] An issue of audio data, which cannot be deleted by a Cleanup

When RealShot Manager was terminated while audio data recording is in operation, then entries of the audio data may remain on the list of Search Recording screen although the audio data can be deleted by Cleanup.

Please wait for more than ten seconds after the termination of audio data recording, and then stop RealShot Manager.

In the meantime, the entities above can be deleted manually on Search Recording screen.

[No.3-30] Limitations and issues in the case of creating an I/O Box for SNC-RX550/CS50/RZ50

There are the following limitations and issues in the case of creating an I/O Box for specifying Object Detection for SNC-RX550/ CS50/ RZ50:

- Data of "Current Position" mode specified for the cameras shall be overwritten by the default value of RealShot Manager.
- As for the data of "Preset Position" mode, which can be confirmed by RealShot Manager, may not accord with the data, which the camera has, when creating an I/O box for a Remote Server.

To avoid the latter case above, please create an I/O Box on a PC by the procedure below:

1. Open Setup Manager, and create an I/O Box on a PC.
2. Check “Enable” checkbox of I/O. When the checkbox is

already being checked, uncheck the checkbox once, and check the checkbox again.

3. Close Setup Manager without doing any settings for Object Detection.

Please follow from the step #2 above, when an I/O Box was already created and the settings required for the Box are being completed. In that case, however, please confirm specified data for "Preset Position" mode once, because there is a possibility that some of the data may have been initialized.

[No.3-29] “No Camera” may appear on the Camera Motion Detection Setting screen

A message of "No Camera" may appear on the Camera Motion Detection Setting screen when a RealShot Manager (Controller) is connected to a RealShot Manager (Standard)

In that case, please close Setup Manager once, and then open Setup Manager again.

[No.3-28] A Configuration Name of Motion Detection specified may not be displayed

The Configuration Name having been specified may not be displayed when a RealShot Manager (Controller) is being connected to a RealShot Manager (Standard).

In that case, please follow the procedure below:

1. Choose the camera in Setup Manager.
2. Close Setup Manager while the camera is being chosen.
3. Open Setup Manager again.

[No.3-10] When G.711 audio file is output to SNC-P5

When G.711 (64kbps) audio file is output to SNC-P5, it sometimes sounds with some pause even if bandwidth of network has enough room.

In this case, please use G.726 audio file.

[No.3-4] Available characters for Preset Position Names for remote cameras SNC-RZ25/P5

Multi-byte characters can be used for Preset Position Names for SNC-RZ25 and SNC-P5, when the cameras are defined as local camera. Only alphanumeric characters are available to use for Preset Position Names for SNC-RZ25 and SNC-P5, when the cameras are defined as remote camera.

[No.3-3] Assign remote camera to remote audio box

When a remote camera is assigned to an audio box on remote servers through GUI of RealShot Manager (Controller), please close monitor window of the camera in advance if the window opens. Then assign it to the audio box again.

[No.3-1] Tab of Camera Properties for remote camera

Some tabs of Camera Properties might not be displayed if you open it from RealShot Manager (Controller). You can display them by selecting other tabs displayed.

[No.2-11] Preview of Dynamic Masking in Client GUI

When you set Dynamic Masking area from Client GUI, please preview after pushing "Apply" button.

[No.2-9] About camera name display when changing the remote server name

In Server-Client type composition, a camera name when carrying out the monitoring of the server camera is displayed in the form of "camera name @ server name". When the remote server name is changed, server name is not updated among the camera names of client PC.

In this case, if selection of a camera is redone, it will be displayed as the server name after change.

[No.2-6] About state information acquisition of System IO-Box input-pin from Controller GUI.

In Server-Client type composition, even if state of System IO-Box is changed, the right state of input-pin cannot be checked from Controller GUI. An IO-Box function is originally used by applications which 3rd party created using API, and can acquire the right state information via API.

[No.2-4] About the problem of multiple camera display.

When displaying multiple cameras from a monitor window, the camera, which does not have names on the selection screen of a camera, may be listed.

Because the cameras, were already deleted That will not cause problems.

[No.2-3] About the selected language(s) at installation and the user interface language after start up first time

Selecting the language module when installing the RealShot Manager does not determine the language with which the program starts up. When the RealShot Manager is operated for the first time, the program starts up with the same language as the operating system. (“Default System Language” of the RealShot Manager)

If the same language as the operating system is not installed, the following message appears.



If you wish to use RealShot Manager with the language different from that of operating system, switch the language after running the program.

[No.2-2] About the problem at the time of choosing a server's IO-Box and deleting all

In Server-Client system type, when a server's IO-Box is chosen from Controller PC and all IO Pins is deleted, the "Please wait" dialog may continue being displayed. In this case, push a cancel button after checking that IO Box other than System-IO Box is deleted. Moreover, System IO-Box cannot be deleted.

When you delete registered IO Box, push device delete button after choose IO Box one by one.

[No.2-1] About the display of title tool bar

A title may not be displayed by title display operation of a tool bar. If a title is not displayed, it is displayed that a tool bar is moved with a mouse.

3-2 Resolved Limitations

3-2-1 Resolved Limitation in v.4.2.1

[No.4-15] The problem that you cannot switch “Preset Position” mode to “Current Position” mode in the VMD (Camera) Setting Dialog Box

For SNC-RX550 and SNC-RZ50, both “Preset Position” mode and “Current Position” mode can be selected. When you change from the default setting “Current Position” to “Preset Position” once, however, you cannot return the mode to “Current Position”.

[No.4-14] The problem that cancellation for the VMD (Camera) setting becomes invalid

Changes for the VMD (Camera) setting may be reflected even if you exit from the VMD (Camera) dialog box without the “Apply” button being clicked.

This problem will occur when the camera shown below works as a controller in the client-server configuration,

SNC-RX550, SNC-RZ50, SNC-CS50, SNC-DF50,
SNC-DF80



In addition, the same problem will occur when the camera shown below works as a server.

SNC-P1, SNC-P5, SNC-DF40, SNC-DF70, SNC-RZ25,
SNC-CS10, SNC-CS11

When operating RealShot Manager with the VMD (Camera) setting enabled, please be sure to check the detection result.

3-2-2 Resolved Limitation in v.4.2.0

[No.4-9] Assigning the cameras by action function to the monitoring window, which is assigned for playback of recording data, causes abnormal termination.

RealShot Manager will terminate abnormally when you assign the cameras by action function to the camera monitoring window, which is assigned for playback of recording data. There will be no problems if you return to the camera's live image by the  "Return to Camera(s)" button or if you assign the cameras from the menu displayed by right-click of the mouse. Playback of recording data should be performed on the camera monitoring window where the cameras are not assigned by actions. If playback of recording data is performed on the monitoring window where the cameras are assigned by actions, return to the camera's live image by  or from the menu displayed by right-click of the mouse.

[No.4-8] The problem of the users who have no access rights of PTZ control can perform zoom operation by mouse wheel.

The users with no access rights of PTZ control can operate zoom and the related functions by mouse wheel.

[No.4-7] The problem that the VMD(Camera) cannot be used after restarting RealShot Manager while not possible to connect to the camera.

After restarting RealShot Manager while not possible to connect to the camera, the VMD (Camera) function cannot be used with that camera.

This happens with the following cameras.

SNC-RX550, SNC-RZ50, SNC-CS50, SNC-DF50,
SNC-DF80

In this case, they become available by either one of the following two methods after recovering the connection with the camera.

- Restart Realshot Manager.

- Clear check from “Disable” check box of VMD (Camera) pin of the camera once, and then “Apply”.
Recheck the checkbox and “Apply” to your settings.

[No.3-7] Launching Archive service just after upgrading of RealShot Manager

It is required to restart of the operating system. It may occur just after the restart that Archive service cannot be launched correctly. The following message will be displayed.



In that case, please try to display “Service” screen by clicking “Control Panel” -> “Control Tool” -> “Service” in turn, and to confirm whether “Sony RealShot Manager Archiving Service” is registered correctly or not on the screen. If not, please add Archive service to the service list manually by the procedure below:

- a) Click “Start” then choose “Run”;
- b) Type the following character string in the input field.
- c) `<RealShot_Manager_Install_Folder>%ArchivingORB% ArchivingORBSservice.exe %service%` in the input field;
- d) Click “OK”.

If “Sony RealShot Manager Archiving Service” is registered correctly, please confirm whether the service has been launched, or not. If not, please right click “Start” button deployed on the line of “Sony RealShot Manager Archiving Service”

After the process above, “Sony RealShot Manager Archiving Service” is always automatically launched when OS is launched.

->Archive function is currently not supported.

3-2-3 Resolved Limitation in v.4.1.1

[No.4-6] The problem that the recording data on the server computer cannot be searched if the remote camera is added in the device group.

When searching the recording data from the client computer using v4.0.0 and v4.1.0 selecting a remote camera added in the device group does not list the server side recording data of the camera.

If you wish to search the recording data of the remote camera, select the camera which is located under the remote server.

3-2-4 Resolved Limitation in v.4.1.0

[No.4-4] The problem that the image becomes distorted after saving a snapshot of the recoding data that contains Metadata

When you click the monitoring window after saving a snapshot of the MPEG4 recoding data, the display image becomes distorted, however there is no problem with the saved snapshot or further operation.

3-2-5 Resolved Limitation in v.4.0.0

[No.3-34] When the Auto Layout Change function is kept executed at a client PC for a long time, the client RealShot Manager may happen to terminate abnormally.

There is a possibility that RealShot Manager processing at the client PC becomes overloaded or terminates itself abnormally in a Server/Client configuration when the Auto Layout Change function is kept executed at the client PC over a prolonged period of time.

In case of using the Auto Layout Change function, please restart RealShot Manager at the client PC once about a week. But there is no need to restart RealShot Manager at the server PC.

[No.3-33] The issue that the function of alarm recording using camera's

local storage does not work normally with SNC-P5 / RZ25 using its external storage

There are two types in camera local storage, internal storage and external storage, such as "memory card". The alarm recording function using camera local storage with SNC-P5 / RZ25 using external storage does not work normally.

In the case of using the above camera(s), please use internal storage of them.

[No.3-9] When multiple cameras are registered to Audio tree all at once

In "Setup Manager" window, if multiple cameras are selected and they are copied using drag & drop operation, "Storage Location" becomes empty for 2nd camera and above.

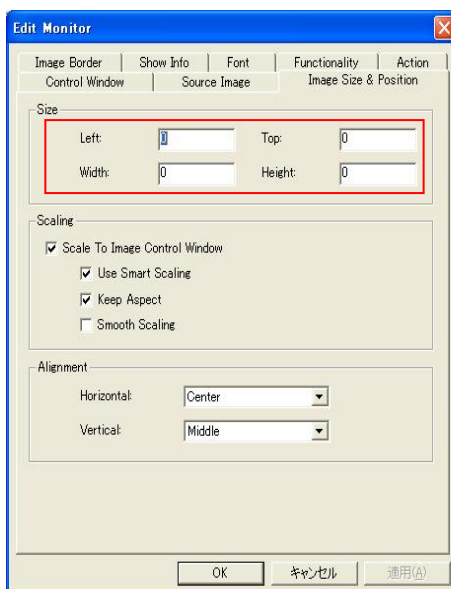
In this case, please copy one by one to "Storage Location" for every each camera, which was copied under audio tree, one by one, using drag & drop operation.

[No.3-6] Adding or modifying Storage Locations to remote cameras

Please execute definitions of adding or modifying Storage Locations to remote cameras through General Setting dialog. Those definitions, which are made through Camera Setting dialog, will never be effective.

[No.2-10] About change method of monitor window size

When the monitor window property is opened in edit mode and size of monitor window is inputted, value of the size is reset to zero (0) and is not saved as inputted.



(Figure: Monitor window property)

When you change size of a monitor window, choose a monitor window and change window size by mouse operation.

[No.2-5] When IO-Box Input Pin of Remote Server is chosen from Action Editor

In Server-Client system type, when choosing input pin of remote server on the action edit screen of controller, the direct input pin is not listed under an I/O box. An input pin can be chosen by clicking a camera icon.

== => This item is mentioned in the user's guide.

Appendix

Appendix I. Main Features from version 1

- Customized layouts
- Various recording functions
- Number of camera connections
- Maximum receivable rate
200Mbps can record 30fps of VGA sized images from 32cameras at the same time (using Giga-bit Ethernet).
- Controllable equipments
Sony SNC-RZ30/SNC-VL10/SNT-V304/SNC-Z20/SNC-CS3
- Functions
 - Pan/Tilt/Zoom control
 - Up to 16-position preset including 12 direct preset call
 - Digital zoom
 - Image rotation, specified image size and image quality
 - Scheduled recording (per minimum 1 minute)
 - Alarm Recording including Pre or Post Alarm Recording available
 - Playback during recording
 - Variable-speed playback from Field-by-Field to 100 times
 - Simultaneous recording and playback; available to playback images in recording
 - Action function such as control button on the screen or camera switching
 - User privilege setting
 - Switching the display automatically
 - Log function
 - Relay-out control
- More than one piece of specification of the record place folder
- The extension with automatic clean-up feature
- Support of the Activity Detection feature of the SNC-RZ30/Z20/CS-3 camera
- The extension of Action feature
- The camera sharing feature
- The addition of the button to return to the live camera after playback

Appendix II. Additional features by version 2.0

- Separate Hot-Spot Window
- Adding “Controller” PCs to the system (Support IMZ-RS200C)
- Adding “Viewer” PCs to the system (Support IMZ-RS200V)
- Support RealShot Manager API
- Flexible license line-up for more system scalability
- Privacy Masking capability
- Support easy Pan/Tilt/Zoom operation by mouse
- Audio Support for audio boxes “Instreamer” and “Annunicom” manufactured by BARIX.
- Joysticks
- PIO box support
- Tour support
- Disk Quota support
- Support Server/Client structure

Appendix III. Additional features by version 2.1

- Alarm receiving via RealShot Manager API by Client
- Send alarm from Client to Server via API
- Acquisition of the RealShot Manager Server record file via API
- Export to AVI file from RealShot Manager GUI

Appendix IV. Additional features by version 2.2

- Sending of the notice mail of alarm with image
- Change of alarm monitoring window
- User access information management
- Playback of audio data
- Support of new device

Appendix V. Additional features by version 2.3

- Support new devices: SNC-P1 (JPEG only) and SNC-DF40 (except for alarm action)
- “Layout tour” function
- Audio file Output to SNC-P1 function by alarm triggering
- Integration with “Alarm notification by e-mail with Image” function
- Support trial mode to use full functions of RealShot Manager Standard for 30 days since initial installation
- Connection support by the Web client
- Image Compression Server

Appendix VI. Additional features by version 3.0

- Archive
- Motion detection functionality by Software
- MPEG4 Stream handling
- Audio Inputs Monitoring
- Support new devices: SNC-RZ25, SNC-RZ30/2 and SNC-DF70
- On the assignment of recording folders towards remote cameras
- New Evaluation Mode on RealShot Manager
- Alarm action support for SNC-DF40
- IPELA Logo

Appendix VII. Additional features by version 3.1

- Support new devices: SNC-P5, SNT-V704
- Real time audio data output function into audio output of the camera
- SNC-P5 supported with RSM Web Gateway
- Support Multiple Language: English, French, German, Italian, Japanese, and Simplified Chinese
- Support SNC-RZ30 standard version of firmware
- Support Sony Network Surveillance Recorder version1 as Remote Server

Appendix VIII. Additional features by version 3.2

- Support new devices: SNC-RX550, SNC-CS50 and SNC-RZ50
- Support motion/object detection for the cameras: SNC-RX550, CS50 and RZ50
- Support motion detection for the cameras: SNC-P1, P5, DF40 DF70, and RZ25
- Alarm recording function using recording function to local storage of the cameras: SNC-RX550, CS50, RZ50, P1, P5, DF40, DF70 and RZ25
- Data Overwriting function
- System Alert function
- Playback speed control function by "Fast Forward" or "Rewind" button
- Function to automatically display recordings of a selected camera when "Search Recordings" screen is opened
- Support Spanish

Appendix IX. Additional features by version 3.3

- Support new devices: SNC-CS10 and SNC-CS11
- Support various functions of the SNT-V704: motion detection and Field Mode and 2 types of analogue camera protocols are added.