


Panasonic

PC Software Package Setup Instructions

Model No. **WV-ASM100**
WV-ASM100E
WV-ASM100L
WV-ASM100LE



Before attempting to connect or operate this product,
please read these instructions carefully and save this manual for future use.

The model number is abbreviated in some descriptions in this manual.

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Preface

The PC Software Package WV-ASM100 Series is designed for integrated management of multiple Panasonic network disk recorders and digital disk recorders (hereinafter referred to as recorders), network interface unit (hereinafter encoders) and network cameras (hereinafter cameras) connected to a network such as a LAN or the Internet, and runs on the Microsoft® Windows® operating system.

Refer to the "Compatible devices" section (☞ page 5) for the devices compatible with this software.

By using this software on a personal computer (hereinafter PC) via a network, it is possible to display live images of the cameras, to play images stored on the recorder, and to download image files to the hard disk drive of the PC.

Software configuration

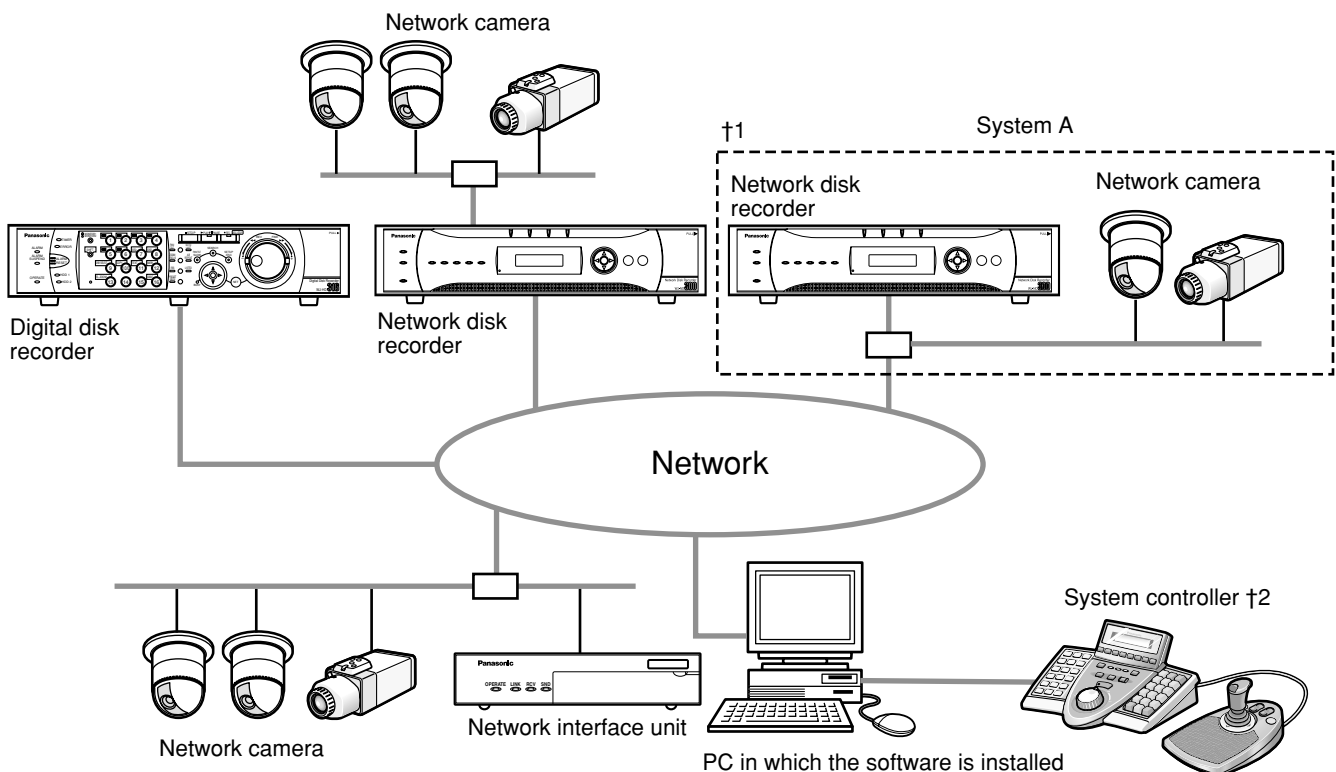
This software consists of the following 3 applications:

Setup software: The settings required to run the operation software can be configured and managed with this software.

Operation software: Displaying live images, playback, downloading, searching for images stored on the recorder, and controlling of the camera is available using this software.

Service software: Reception of Panasonic alarm protocol and auto deletion of the operation log will be carried out by this software.
This is the resident application (in the system tray). Once the PC is turned on, the service software runs in the background of the PC.

System configuration



†1: When the system is configured as "System A" in the illustration above, live images from the cameras connected to the recorder can directly be monitored with this software, not through the recorder.

To monitor live images directly from the cameras with this software, the following are necessary.

- Register cameras in the recorder.
- The recorder should be used with a single port.

†2: The system controller is optional.

Important:

- Do not use cross cables to connect the PC and each device.
 - When connecting multiple system controllers, operation of this software is not guaranteed.
-

System specifications

- Recorder registration: Up to 100 recorders can be registered
- Encoder registration: Up to 64 encoders can be registered
- Camera registration: Up to 256 cameras can be registered
- User registration: Up to 32 users can be registered
- User level: 5 levels
- Group registration: Up to 400 groups can be registered
- Sequence registration: Up to 10 sequences (Up to 64 steps can be registered for a sequence)
- Map registration: Up to 100 maps (Up to 64 cameras can be assigned on a map, up to 20 registered maps can be used) (The file size shall be less than 10 MB. Available file type is JPEG and BMP.)
- Number of the alarm logs that can be stored: Up to 30 000 logs (Up to 1 000 logs can be displayed)
- Number of the device error logs that can be stored: Up to 1 000 logs (Up to 1 000 logs can be displayed)
- Number of the network error logs that can be stored: Up to 1 000 logs (Up to 1 000 logs can be displayed)
- Number of the system logs that can be stored: Up to 1 000 logs (Up to 1 000 logs can be displayed)
- Number of the operation logs that can be stored: Up to 100 000 logs (Up to 1 000 logs can be displayed)
- Number of search results that can be displayed: Up to 1 000 search results (Up to 200 results for VMD search)

Notes:

- Number of PCs that can concurrently access a single recorder differs depending on choosing whether or not to use "Live window" and the model of the recorder in use.

Recorder	Use of "Live window"	
	Yes	No
ND300	4	6
ND200	2	4
HD300	2†1	3†2
ND400	8	16
HD600	4	8

†1 When displaying images on a 16-screen or 9-screen only a single PC can access.

†2 When displaying images on a 16-screen, 2 PCs can access.

- When exceeding the maximum number of concurrent access due to an increase in the number of accesses using web browsers or FTP accesses, connection to the recorder may be interrupted and a black screen may be displayed.
-

Software lineup

The following table shows differences between WV-ASM100 and WV-ASM100L:

Function	WV-ASM100	WV-ASM100L
Multi-monitor	Yes	N/A
Live window	Yes	N/A
Map window	Yes	N/A
Operation using the system controller	Yes	N/A
AVMD information	Yes	N/A

Compatible devices

The following devices are compatible with this software.

Important:

- Some functions may not work depending on the firmware version of the compatible device. Refer to the provided "Available function list for each compatible device" for further information.
- When the digital disk recorder RT416 is in your system, read the provided "Precautions when using the WV-ASM100 with the WJ-RT416" (PDF) in advance.

Note:

Refer to the operating instructions of the recorder in use for the cameras that can be connected to the recorder in use.

Compatible recorders

Model No.	Appears in these operating instructions as	Version	Compression
WJ-ND300	ND300	4.10 or later	MPEG-4 M-JPEG
WJ-ND300A		5.00 or later	H.264
WJ-ND200	ND200	1.10 or later	MPEG-4 M-JPEG
		3.00 or later	H.264
WJ-HD309A WJ-HD316A	HD300	3.32 or later	Model-specific
WJ-RT416	RT416	1.50 or later	MPEG-4
WJ-ND400	ND400	1.00 or later	MPEG-4 M-JPEG
		2.01 or later	H.264
WJ-HD616K WJ-HD716K	HD600	1.01 or later	H.264

Compatible encoder

Model No.	Appears in these setup instructions as	Version	Compression
WJ-NT304	NT304	1.00 or later	MPEG-4 M-JPEG
WJ-NT314	NT314	1.00 or later	MPEG-4 M-JPEG
WJ-GXE500	GXE500	1.00 or later	H.264 MPEG-4 M-JPEG

Compatible cameras

Model No.	Appears in these setup instructions as	Version	Compression
WV-NP472	NP472	2.20 or later	M-JPEG
WV-NS320	NS32*	2.20 or later	M-JPEG
WV-NW474	NW47*	2.20 or later	M-JPEG
WV-NP244	NP24*	1.20 or later	MPEG-4 M-JPEG
WV-NP1000 WV-NP1004	NP100*	1.21 or later	MPEG-4 M-JPEG
WV-NS202	NS202	1.11 or later	MPEG-4 M-JPEG
WV-NS202A	NS202A	2.00 or later	MPEG-4 M-JPEG
WV-NF284	NF28*	1.00 or later	MPEG-4 M-JPEG
WV-NW484	NW48*	1.00 or later	MPEG-4 M-JPEG
WV-NS950 WV-NS954	NS95*	1.00 or later	MPEG-4 M-JPEG
WV-NW960 WV-NW964	NW96*	1.00 or later	MPEG-4 M-JPEG
WV-NP304	NP304	1.00 or later	MPEG-4 M-JPEG
WV-NF302	NF302	1.00 or later	MPEG-4 M-JPEG
WV-NP502	NP502	1.00 or later	H.264 MPEG-4 M-JPEG
WV-NW502	NW502	1.00 or later	H.264 MPEG-4 M-JPEG

WV-SP302	SP302	1.00 or later	H.264 MPEG-4 M-JPEG
WV-SP305	SP305	1.00 or later	H.264 MPEG-4 M-JPEG
WV-SP306	SP306	1.00 or later	H.264 MPEG-4 M-JPEG
WV-SF332	SF332	1.00 or later	H.264 MPEG-4 M-JPEG
WV-SF335	SF335	1.00 or later	H.264 MPEG-4 M-JPEG
WV-SF336	SF336	1.00 or later	H.264 MPEG-4 M-JPEG

About the setup software

An administrator or the registered user who is allowed to display the current settings can log in to the setup software. Only an administrator can configure the settings.

Even when logging in to the PC as an administrator, it is impossible to launch both the setup software and the operation software simultaneously. When launching one of them, make sure that the other one is not launched.

The following setup items can be configured using the setup software.

System

Contains settings required for basic operation of this software.

Refer to the "Settings relating to the system" section (☞ page 20) for further information.

Device mng.

Contains settings required to display live images or play recorded images, such as information of the recorders, the encoders and the cameras.

Refer to the "Settings relating to the device management" section (☞ page 23) for further information.

User mng.

Each user should be defined as an administrator or a normal user in this software.

Information of each user can be managed on this page.

Refer to the "Settings relating to the user management" section (☞ page 44) for further information.

Camera

Contains settings relating to the camera group and the sequential display function.

Refer to the "Settings relating to the cameras" section (☞ page 54) for further information.

Window

Contains settings relating to the live window and the map window.

Refer to the "Settings relating to the window" section (☞ page 61) for further information.

Event

Contains settings relating to the event action such as displaying of the alarm notification window, sounding the buzzer, the alarm camera direct window function, displaying of the error notification window, etc.

Refer to the "Settings relating to the event action" section (☞ page 66) for further information.

Comm

Contains the settings relating to the communication and the alarm notification using the Panasonic alarm protocol.

Refer to the "Settings relating to the communication" section (☞ page 69) for further information.

Controller

Configures the camera number, group number, sequence number, all of which are used when controlling through the system controller.

Refer to "Settings relating to the controller" (☞ page 71) for further information.

Maintenance

Displaying of the version of this software and management of the logs/the setup data are available.

Refer to the "Settings relating to the maintenance" section (☞ page 77) for further information.

Standard accessories

CD-ROM	1 pc.
Installation guide	1 pc.
Hardware key (USB dongle)	1 pc.

Important:

- The provided CD-ROM contains the installer of this software, the operating instructions (PDF), the setup instructions (PDF, these operating instructions), the Readme.txt and the system controller WV-CU950 setup tool. Prior to installation, read the Readme.txt.
 - This software will not work if the provided hardware key (USB dongle) is not connected to the PC in use. Before using this software, insert the hardware key to the USB port on the PC in advance.
-

About these operating instructions

There are two PDF manuals (the operating instructions and the setup instructions) and the installation guide (leaflet). This PDF manual contains descriptions of how to install this software and of how to configure the required settings to operate this software for an administrator.

The network settings will be different depending on the settings of the LAN or the Internet service provider.

Refer to the network administrator for further information about the network settings.

Refer to the operating instructions (PDF) for descriptions of how to operate each function of this software.

The descriptions in the following pages are based on the assumption that Microsoft® Windows® XP Professional runs on a PC.

Operation windows may not be the same as those appearing on the pages when a different OS is used or different settings are applied.

When using other OS, refer to the operating instructions of the respective OS.

System requirements

It is recommended to install this software on a PC that meets the following system requirements.

OS ^{†1}	Microsoft® Windows® 7 Professional (32-bit) ^{†2} Microsoft® Windows® 7 Professional (64-bit) ^{†2 †3} Microsoft® Windows Vista® Business SP2 (32-bit) ^{†2} Microsoft® Windows Vista® Business SP2 (64-bit) ^{†2 †3} Microsoft® Windows® XP Professional SP3 Microsoft® Windows® XP Home Edition SP3
OS language	English, French, Spanish, German, Italian, Russian, Chinese (Simplified Chinese)
Computer	IBM PC/AT Compatible
CPU	Intel® Core™ 2 Duo 2.66 GHz or faster Intel® Core™ 2 Quad Q9650 or faster (When operating H.264 images) Intel® Core™ i7-920 or faster (When operating H.264 images)
Memory	1 GB or more 3 GB or more (When operating H.264 images)
Video memory	VRAM 128 MB or more (64 MB minimum), compatible with DirectX®9.0c
CD-ROM drive	Necessary to install this software
USB port	Necessary to connect the provided hardware key (USB dongle)
Required hard disk space	Approx. 3 GB ^{†4}

- Monitor 1 024 x 768 pixels or more (1 280 x 1 024 pixels recommended), 24-bit True color or better (Full color recommended)
- Interface 100/1 000 Mbps Network interface card must be installed^{†5}
- †1: This software is designed based on the default style or the font size of Microsoft® Windows® XP, Microsoft® Windows Vista® and Microsoft® Windows® 7.
When the display style or the font size is changed from the default, it may be possible that the layout of this software collapses.
- †2: When using Microsoft® Windows Vista® or Microsoft® Windows® 7, refer to "Readme.txt" for further information about the system requirements, precautions, etc.
- †3: Operates in WOW64 (32-bit mode).
- †4: It is required that Microsoft® .NET Framework 2.0 SP1 and Microsoft® SQL Server 2005 Express Edition SP3 are installed on the PC to use this software.
It is necessary to prepare other disk space exclusively as storage for database and files downloaded from the recorder in addition to the required disk space for installation of this software.
- †5: The network settings on the PC must meet those of the network environment where the PC is connected.
Operations of this software on a PC with two network interface cards or more will not be covered by the warranty.

Important:

- This software must be installed by the administrator. Otherwise, any problems will not be covered by the warranty.
 - This software uses Microsoft® SQL Server 2005 Express Edition as the database. If any other database is installed, the database files may be damaged and this software may not work correctly.
 - Operation of this software on remote desktop is not guaranteed.
 - While running this software, do not log out of the PC nor shut down the PC. Otherwise, operation of this software may become unstable.
 - Do not use other applications, especially heavy load types, while this software is running. Otherwise, the CPU overload and the shortage of resources will cause malfunction and insufficient performance.
 - When no sound card is installed, the buzzer will not sound at an alarm/error occurrence. The audio transmission/reception function is also unavailable.
 - Use of 2-byte characters for a user name causes installation failure. Create a user name with 1-byte alphanumeric characters and perform installation.
 - Microsoft® Windows® XP Professional x64 Edition is not supported.
 - Windows XP mode for Microsoft® Windows® 7 is not supported.
-

Recommended camera settings when operating MPEG-4 or H.264 images

Set the "Max bit rate (per 1 client)" setting of the camera as below according to the PC in use.

When the set values for "Max bit rate (per 1 client)" is larger than the value below, this software may not work correctly. In this case, terminate this software forcibly, and then set an appropriate bit rate.

■ When operating MPEG-4 images (VGA)

CPU	Recommended bit rate
Intel® Core™ 2 Duo 2.66 GHz	2 048 kbps [†]
Pentium® D 3.0 GHz	1 024 kbps
Pentium® 4 3.0 GHz	512 kbps

† When operating the live window and simultaneously display images from 17 camera channels or more, set the bit rate to "1 536 kbps".

"Normal" shall be selected for the image quality of the camera.

■ When operating H.264 images (VGA)

CPU	Recommended bit rate
Intel® Core™ i7-920	1 024 kbps (30 fps)
Intel® Core™ 2 Quad Q9650	1 024 kbps (30 fps)
Intel® Core™ 2 Duo 2.66 GHz	768 kbps (15 fps)

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Abbreviations

These are descriptions of the basic terms used in these operating instructions.

- Microsoft® Windows® XP Professional SP3 and Microsoft® Windows® XP Home Edition SP3 are described as Windows XP.
- Microsoft® Windows Vista® Business SP2 (32-bit) and Microsoft® Windows Vista® Business SP2 (64-bit) are described as Windows Vista.
- Microsoft® Windows® 7 Professional (32-bit) and Microsoft® Windows® 7 Professional (64-bit) are described as Windows 7.

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- (5) ANY CLAIM OR ACTION FOR DAMAGES, BROUGHT BY ANY PERSON OR ORGANIZATION BEING A PHOTOGENIC SUBJECT, DUE TO VIOLATION OF PRIVACY WITH THE RESULT OF THAT SURVEILLANCE-CAMERA'S PICTURE, INCLUDING SAVED DATA, FOR SOME REASON, BECOMES PUBLIC OR IS USED FOR THE PURPOSE OTHER THAN SURVEILLANCE.

Precautions

Distributing, copying, disassembling, reverse compiling, reverse engineering, and also exporting in violation of export laws of this product, is expressly prohibited.

Document convention

These are descriptions of the basic terms used in these operating instructions.

Administrator

Indicates a person responsible for management and operation of this software.

User

Indicates a person who operates this software. Each user should be defined as an administrator or a registered user in this software. Only a user who is registered as an administrator can configure and maintain this software.

Recorder

Indicates Panasonic network disk recorders or digital disk recorders.
Refer to the "Compatible devices" section (☞ page 5) for the recorders compatible with this software.

Encoder

Indicates Panasonic network interface unit.
Refer to the "Compatible devices" section (☞ page 5) for the encoders compatible with this software.

Fixed camera

Indicates cameras without the panning and tilting functions.

PTZ camera

Indicates cameras featuring the panning, tilting and zooming functions.

Live image

Indicates live images from the camera.

Direct image reception

Indicates that image reception directly from a camera registered in the network disk recorder, not through the recorder.

Group display

Images from cameras can be registered as a group and displayed by groups.

Sequence

Images of each registered group can be displayed sequentially in the order determined in advance. The sequence function of this software is available only for live image display.

EL-zoom

Indicates the zoom function available when displaying live or recorded images.
While the zoom function of the camera enlarges images using the zoom lens of the camera, the EL-zoom function enlarges images by processing images on this software.
Clicking a point in the EL-zoomed image moves the displayed EL-zoomed image by positioning the clicked point as the center point.

Camera operation

Indicates the operations of the camera connected, such as panning/tilting, zooming, focusing, starting the preset function (move to the preset position), starting the selected auto mode function, brightness adjustment, preset registration and AUX control.

Network playback

Recorded images on the recorder can be played via a network.

Manual recording

Indicates recording that is performed by clicking the [REC START] button and the [REC STOP] button.

Download

Indicates file (recorded image on the recorder) transfer from the recorder to a PC using the FTP function.

AVMD information

Indicates alarm information relating to a moving object including an object that is left on or taken away from a scene.

When "ON" is selected for "Display AVMD information", it is possible to display a frame border or a trace on the screen upon the alarm detection.

Check if the model in use is compatible with this function.

Refer to the provided "Available function list for each compatible device" (PDF).

For further information about AVMD, refer to the operating instructions of the model compatible with AVMD.

Image file

Indicates downloaded recorded image from the recorder.

File playback

Indicates playback of image files using the viewer software.

Notification function using the Panasonic alarm protocol

This function displays descriptions about an alarm or a device error in a pop-up window (notification window) on the operation window when the device provides a notification using the Panasonic alarm protocol.

Application log

Indicates logs filed each time when this software obtains information about an alarm or an error occurrence from the recorder, or when an operation of this software is made, etc.

The application logs are filed as distinct logs; alarm log, device error log, network error log, system log and operation log.

Recorder log

Indicates logs filed each time when a recorder error or a network error occurred in the recorder.

The recorder logs are generated in the recorder.

These records are filed as distinct logs; error log, access log, event log and network log.

M-JPEG

Indicates a video codec that compresses video fields from the camera into independent JPEG images sequentially.

Network load will be reduced comparing with the method that obtains JPEG images independently from the camera. However, the transmission rate will fluctuate depending on the state of the camera.

Some cameras phrase this video codec as just "JPEG".

REC event

Indicates the reason (an event or an operation) why the recording started.

The recording event will be described as follows.

Manual, schedule, emergency, site alarm, terminal alarm, command alarm, VMD, video loss, SD memory

SD memory recording (SD memory data)

Indicates the function featured in some Panasonic's cameras that transfers images saved on the SD memory card on the camera to the recorder.

Recorded images transferred to the recorder are described as "SD memory data" in these operating instructions.

The recording time of SD memory data will be displayed based on the clock of the camera.

Setup software

Indicates the application used to configure the settings required to run the operation software.

Operation software

Indicates the application used for displaying live images of the recorders, encoders and cameras, playback, downloading, searching for images stored on the recorder, and controlling the camera.

Operation window

Indicates the window used to operate all functions except for configurations of this software.

Live window

Indicates the window used only for the group or sequence display of live images.

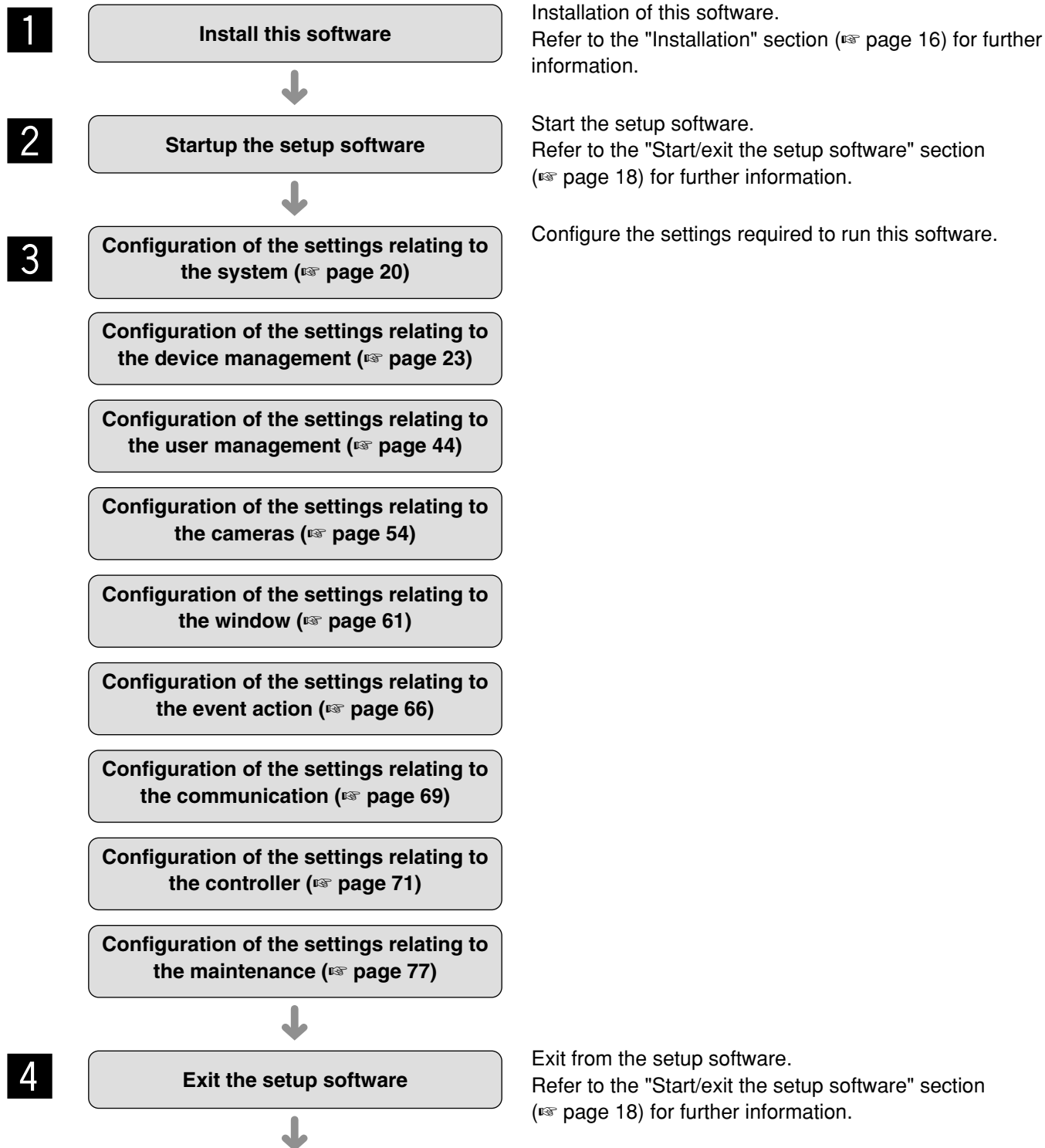
Map window

Indicates the window that displays a map with the registered camera icons.

It is possible to display live images from the desired camera by clicking the respective camera icon on the map.

Operation flow

To run the operation software, do the following in advance.



5

Exceptional settings for the firewall

Start operation

Close the setup software and start operation using the operation software.

When using the download function or the notification function using Panasonic alarm protocol (alarm notification, recorder error notification), configure the exceptional settings of Windows Firewall.

Refer to the "Exceptional settings of Windows Firewall" section (☞ page 93) for further information.

Note:

When a message window is displayed by clicking the button on the window, refer to the "Displayed messages and solutions" section (☞ page 97) and follow the instructions.

Installation/uninstallation

Installation

Important:

- Before installing this software, make sure that no other Panasonic disk recorder management software such as WV-AS65 or WV-ASM10 is installed on the PC.
When the other Panasonic disk recorder management software and this software are on the same PC, operations of this software will not be covered by the warranty.
 - When reinstallation is necessary, uninstall the existing software before starting the reinstallation. An overwrite installation may cause unstable operations. When this software is uninstalled, the setup data of this software will be deleted.
When the setup data is necessary, save the setup data before uninstalling this software.
 - It is unnecessary to perform steps 2 and 3 below when "Microsoft® .NET Framework 2.0 SP1" are already installed on the PC.
-

- 1** Insert the provided CD-ROM into the CD-ROM drive on the PC.
- 2** Double-click "dotnetfx.exe" in the folder "1 dotNetFramework2.0".
→ The installer of "Microsoft® .NET Framework 2.0 SP1" will be launched.
Install the software by following the instructions displayed on the monitor.
- 3** Double-click "SQLServerSetup.exe" in the folder "2 SQLServer2005".
→ The installer of "Microsoft® SQL Server 2005 Express Edition SP3" will be launched.
Install the software by following the instructions displayed on the monitor.
- 4** Double-click "setup.exe" in the folder "3 Disk Recorder Management Software".
→ The installer of "Disk Recorder Management Software" will be launched.
Install the software by following the instructions displayed on the monitor.
When the "Aladdin HASP SRM Run-time Environment Installer v...." window is displayed in the process of the installation, click the [OK] button on the displayed window to continue the installation.
When installed with the ALL option, the executable files, etc. will be copied on a newly created folder "C:\Program Files\Panasonic\ASM100".
- 5** Configure the exceptional settings of Windows Firewall.
Refer to the "Exceptional settings of Windows Firewall" section (☞ page 93) for further information.
- 6** Reboot the PC.
When completing steps 1 - 6, reboot the PC to complete the installation.

Important:

Before starting operation using the operation software, configure the settings required to operate the operation software, such as user registration, device registration, using the setup software.

Uninstallation

Important:

- When this software is uninstalled, the setup data of this software will be deleted. When the setup data is necessary, save the setup data before uninstalling this software. Refer to the "Save the setup data as a backup" section (page 90) for how to save the setup data.
 - The data downloaded from the recorder will not be deleted even when this software is uninstalled.
 - Microsoft® .NET Framework 2.0 SP1 and Microsoft® SQL Server 2005 Express Edition SP3 will not be deleted even when this software is uninstalled. When it is necessary to uninstall them after uninstalling this software, uninstall them in the following order. Otherwise, the PC may become unstable.
 - ① Microsoft® SQL Server 2005 Express Edition SP3
 - ② Microsoft® .NET Framework 2.0 SP1
 - When a message window is displayed in the process of the uninstallation to ask you to quit the applications, click the [Cancel] button on the displayed window to cancel the uninstallation. After stopping the appropriate services, retry the uninstallation.
Refer to the operating instructions of the OS in use for how to stop the services.
-

- 1** Open "Add or Remove Programs" in "Control Panel".
- 2** Select "WV-ASM100 Series" from the presently installed programs and click the [Remove] button.
→ The uninstall program will be launched and the wizard will be displayed.
- 3** Uninstall the software by following the instructions displayed on the monitor.

Start/exit the setup software

Important:

- Insert the provided hardware key (USB dongle) into the USB port.
Without the hardware key, this software will be launched in the demonstration mode. The demonstration mode is available for a limited period of time.
- When the PC is not rebooted after installing this software, the hardware key sometimes may not be detected. Make sure that the PC is rebooted after the installation of this software before inserting the hardware key.

Step 1

Select "Setup Software" from "start" menu ("start" - "All Programs" - "Panasonic" - "WV-ASM100 Series" - "Setup Software") or double-click the "Setup Software" icon on the desktop to launch the setup software.



→ The "Login" window will be displayed.

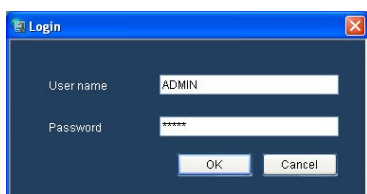
Important:

When the operation software is open, exit the operation software before launching the setup software. The setup software will not start when the operation software is open.

Step 2

Enter the registered user name and password.

→ Only an administrator is registered when operating the software just after the installation. Enter "ADMIN" for "User name" and "12345" for "Password" respectively.



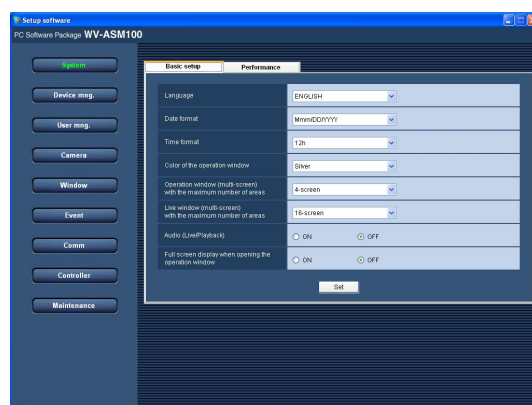
Important:

To enhance the security, change the password for an administrator before running the software. It is recommended to change the password for the administrator periodically. Refer to the "Settings relating to the administrator [Administrator setup]" section (page 45) for further information.

Step 3

Click the [OK] button.

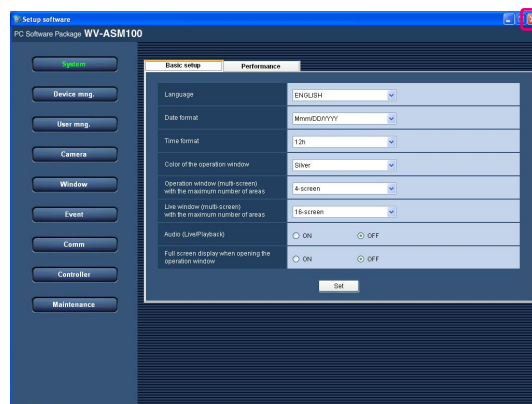
→ The setup window will be displayed.



Step 4

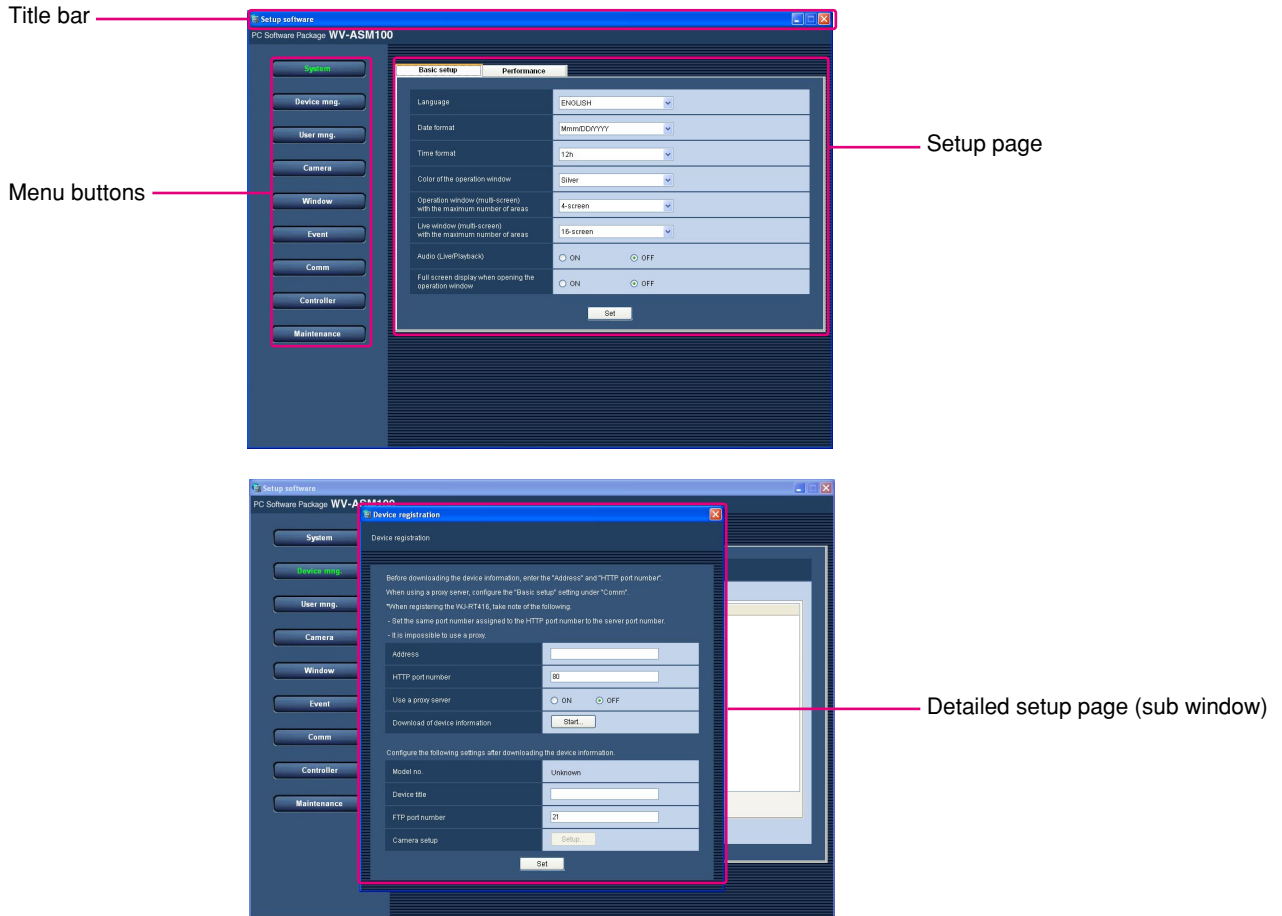
Click the [X] button at the top right of the setup window to exit the setup software.

→ The setup software will be closed.



Setup window

When the setup software starts, the setup window will be displayed.



■ Title bar

The title of the setup software will be displayed.

■ Menu buttons

When the menu button is clicked, the respective setup page will be displayed.

■ Setup page

The setup page respective to the clicked menu button will be displayed.

When multiple tabs are displayed in the setup page, click the desired tab to display the respective tab page.

■ Detailed setup page (sub window)

When the button on the setup page that leads to the detailed settings is clicked, the detailed setup page will be displayed in the newly opened window (sub window).

Important:

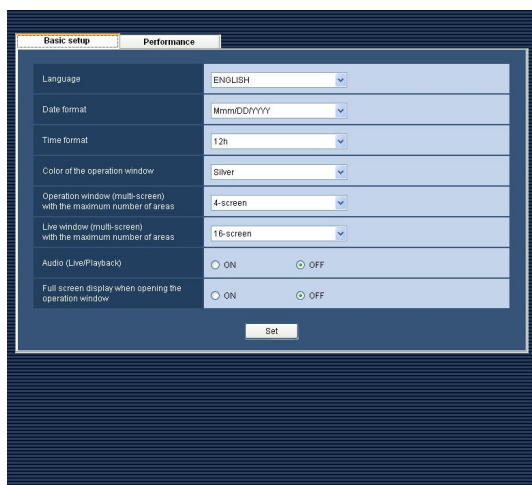
- To save and apply the edited settings on the setup page, it is necessary to click the [Set] button. When the [Set] button is not clicked, the edited settings will not be saved and applied.
- To save and apply the edited settings on the detailed setup page, it is necessary to click the [Set] button. When the sub window is closed without clicking the [Set] button, the edited settings will not be saved and applied.
- When the edited setting is invalid, the setup item for which the invalid setting is entered/selected will be displayed in red. When there is any setup item displayed in red, correct the invalid setting.

Settings relating to the system

Operating language, date format, time format, color of the operation window, maximum number of areas when displaying on a multi-screen, audio, automatic full screen of the operation window and maximum refresh interval can be configured.

Select the operating language, date format, time format, etc. [Basic setup]

Click the [System] button, and then click the [Basic setup] tab to display the "Basic setup" page.



■ Language

Select the operating language.

ENGLISH, FRANÇAIS, ESPAÑOL, DEUTSCH, ITALIANO, RUSSIAN, CHINESE

Default: ENGLISH

Important:

The language setting will not be applied even when the [Set] button is clicked.

To apply the edited language setting, restart this software.

■ Date format

Select a date format to be displayed from the following.
Example: Apr/01/2007

YYYY/MM/DD: 2007/04/01

MM/DD/YYYY: 04/01/2007

Mmm/DD/YYYY: Apr/01/2007

DD/MM/YYYY: 01/04/2007

DD/Mmm/YYYY: 01/Apr/2007

Default: Mmm/DD/YYYY (DD/MM/YYYY when the software in use is European specification)

Note:

The date format will be applied to the following to display time and date.

- Status bar
- Information display area
- Alarm notification window
- Error notification window
- (Each) Log list

Refer to the operating instructions (PDF) for further information about them.

■ Time format

Select a time format to be displayed from the following.
Example: 3 o'clock in the afternoon

12h: 03:00:00 PM

24h: 15:00:00

Default: 12h (24h when the software in use is European specification)

Note:

The time format will be applied to the following to display time and date.

- Status bar
- Information display area
- Alarm notification window
- Error notification window
- (Each) Log list

Refer to the operating instructions (PDF) for further information about them.

■ Color of the operation window

Select a color of the operation window.

Blue: Color of the operation window will be blue.

Silver: Color of the operation window will be silver.

Default: Silver

■ Operation window (multi-screen) with the maximum number of areas

Select a multi-screen pattern of the operation window from the following.

1-screen/4-screen/9-screen/16-screen

Default: 4-screen

■ **Live window (multi-screen) with the maximum number of areas**

Select a multi-screen pattern of the live window from the following.

--/1-screen/4-screen/9-screen/16-screen

Default: 16-screen

Note:

When not using the live window, select "--".

■ **Audio (Live/Playback)**

Determine whether to use or not use the audio reception/transmission function.

ON: Use the audio reception/transmission function.

OFF: Not use the audio reception/transmission function.

Default: OFF

■ **Full screen display when opening the operation window**

Select whether or not to automatically provide full screen display of the operation window immediately after logging in.

This item is enabled when a group is set as a default screen.

ON: Full screen display enabled

OFF: Full screen display disabled

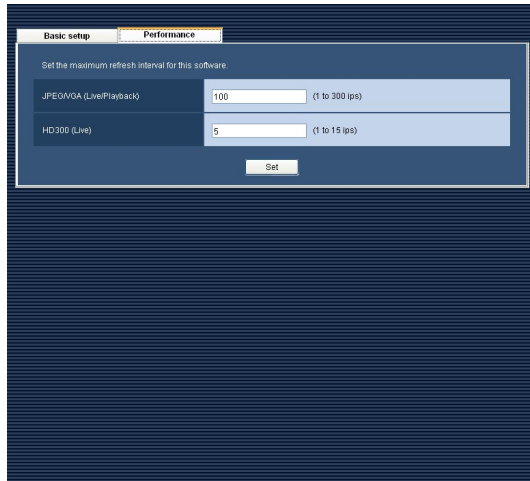
Default: OFF

■ **[Set] button**

The edited settings will be saved and applied.

Set the maximum refresh interval [Performance]

Click the [System] button, and then click the [Performance] tab to display the "Performance" page.
Enter a number of images to be refreshed per second.



■ JPEG/VGA (Live/Playback)

Enter a number from 1 to 300 (ips) for the maximum refresh interval. An image to be refreshed is a JPEG image of VGA size (640 x 480).

Default: 100 (ips)

■ HD300 (Live)

Enter a number among the following for the maximum refresh interval for the whole system when displaying live images from the HD300.

1ips - 15ips

Default: 5ips

■ [Set] button

The edited settings will be saved and applied.

Notes:

- Change the value for "JPEG/VGA (Live/Playback)" according to your PC environment.
Intel® Core™ 2 Duo 2.66 GHz: 160 ips
Pentium® D 3.0 GHz: 120 ips
Pentium® 4 3.0 GHz: 80 ips
 - When the resolution of an image to be refreshed is QXGA (2 048 x 1 536), SXVGA^{†1} (1 280 x 960), SVGA (800 x 600) or QVGA (320 x 240), the maximum refresh interval will be 1/10, 1/4, 2/3, or 4 times of the set value.
^{†1}: When "Partial" is selected for the scan mode of NP100*, the resolution will be 960 x 720.
 - When displaying on a multi-screen, the set value divided by the number of areas will be the maximum refresh interval per area of a multi-screen.
Example: When "60 ips" is set for the maximum refresh interval, the maximum refresh interval per area when displaying on a 4-screen will be 15 ips.
 - When displaying images directly from the cameras, the camera whose refresh interval (set for "Refresh interval (JPEG)" on the "Camera setup" window (☞ page 27)) is the smallest value among the cameras in use for displaying on a multi-screen will be applied as the maximum refresh interval per area.
 - The actual refresh interval may become slower than the set refresh interval depending on the network environment, the settings of the camera and the set maximum refresh interval on the "Performance" page.
 - The maximum refresh intervals of MPEG-4 or H.264 images cannot be controlled with this software. Refer to the "Recommended camera settings when operating MPEG-4 or H.264 images" section (☞ page 9) for further information.
 - When a program of the recorder changed the recording rate, images sometimes may not be refreshed exactly at the set refresh interval.
-

Settings relating to the device management

Devices can be registered and information of the registered devices can be edited or deleted.
Refer to the "System specifications" section (☞ page 4) for number of the devices that can be registered.

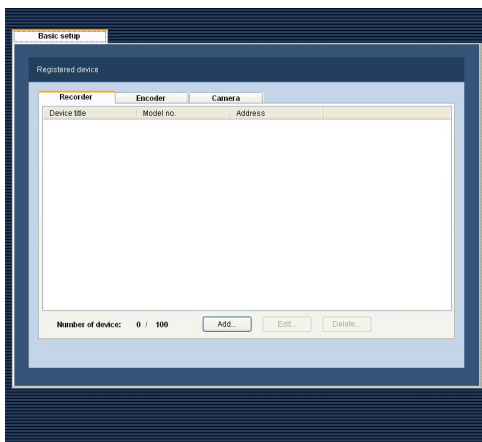
Register a recorder [Basic setup]

Step 1

Click the [Device mng.] button.
→ The "Basic setup" page of "Device mng." will be displayed.

Step 2

Click the [Recorder] tab.
→ The "Registered device" window of the recorder will be displayed.



The following are descriptions about each item displayed on the "Basic setup" page.

■ Registered device

Titles of the registered recorders, model numbers and their addresses will be displayed in list form.

■ Number of device

Number of the registered recorders will be displayed.

■ [Add...] button

The "Device registration" window will be displayed.

■ [Edit...] button

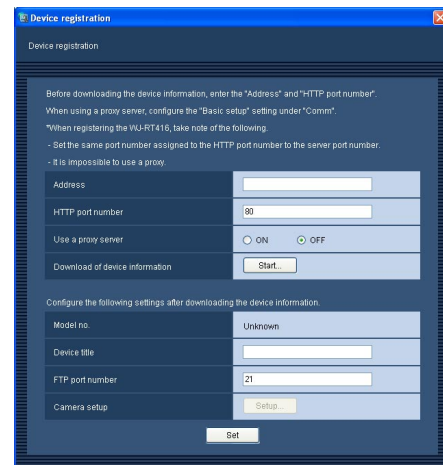
The "Device registration" window of the recorder selected from the list will be displayed.

■ [Delete...] button

The recorder selected from the list will be deleted.

Step 3

Click the [Add...] button.
→ The "Device registration" window will be displayed.



Note:

The [Add...] button will become unavailable when reached the maximum number of recorder registration.

The following are descriptions about each item displayed on the "Device registration" window.

■ Address

Enter the IP address of the recorder.
Enter up to 255 alphanumeric characters for the address.

■ HTTP port number

Enter a number from 1 to 65535 for the HTTP port number.

Default: 80

■ Use a proxy server

Determine whether to use a proxy server to connect the recorder or not.

ON: Use a proxy server

OFF: Not use a proxy server

Default: OFF

Important:

- When displaying images directly from cameras, live images will be received without using a proxy server.
-

Note:

The proxy server address can be set on the [Basic setup] tab of the "Comm" page (☞ page 69).

■ [Start...] button

Recorder information will be downloaded based on the settings of "Address", "HTTP port number" and "Use a proxy server".

■ Model no.

The model number contained in the downloaded recorder information will be displayed. "Unknown" will be displayed when recorder information is not downloaded yet.

■ Device title

Enter the recorder title. Enter up to 16 characters. The following characters are unavailable for the recorder title.

! \$ % ' < = > @ [\] ^ _ ` { | } ~

■ FTP port number

Enter a number from 1 to 65535 for the FTP port number.

Default: 21

Important:

It is necessary to make the selected port number available when "Windows Firewall" of Windows XP is on. Refer to the "Exceptional settings of Windows Firewall" section (☞ page 93) for how to make the selected port number available.

■ [Setup...] button

The "Camera setup" window will be displayed. The [Setup...] button will be unavailable until recorder information is downloaded.

■ [Set] button

The edited settings will be saved and applied.

Step 4

Complete the settings of "Address", "HTTP port number" and "Use a proxy server".

The screenshot shows the 'Device registration' window with the following settings: Address: 192.168.100.176, HTTP port number: 80, Use a proxy server: OFF, Download of device information: Start... (button). Below this, there are fields for Model no. (Unknown), Device title (empty), FTP port number (21), and Camera setup (Setup... button). A 'Set' button is at the bottom.

Step 5

Click the [Start...] button.

This screenshot is identical to the one in Step 4, showing the 'Device registration' window with the same configuration: Address: 192.168.100.176, HTTP port number: 80, Use a proxy server: OFF, Download of device information: Start... (button), Model no.: Unknown, Device title: empty, FTP port number: 21, Camera setup: Setup... button, and a 'Set' button at the bottom.

Important:

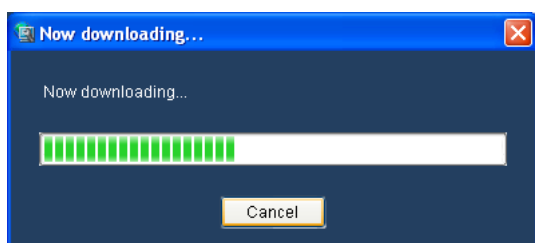
- Make sure that the settings on the "NW Camera Setup" page of the setup menu of the recorder are completed before downloading the recorder information. When the recorder is not configured correctly, downloading of the recorder information may be impossible.
 - When the settings of the setup menu of the recorder are edited, download the recorder information again.
-

Step 6

Click the [OK] button.



→ The downloading status window will be displayed.
To cancel downloading the recorder information, click the [Cancel] button on the displayed downloading status window.



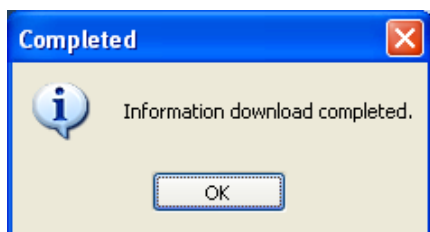
Step 7

The message window will be displayed when download process ended.

<When downloading of the recorder information is completed>

The confirmation window will be displayed.

1. Click the [OK] button.



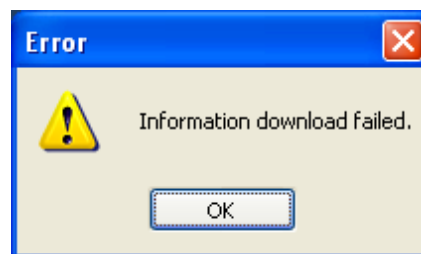
→ The confirmation window will close.

2. Go to step 8.

<When downloading of the recorder information failed>

The error message window will be displayed.

1. Click the [OK] button on the error message window and check if the information on the "Device registration" window has been edited correctly.



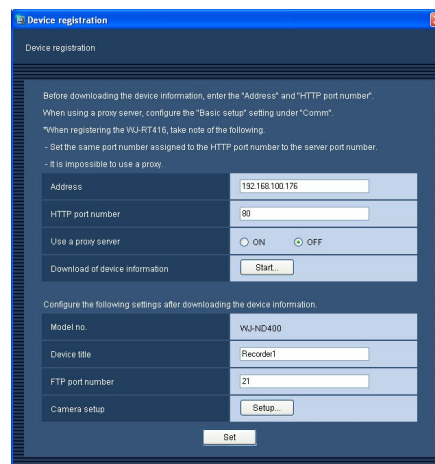
Note:

When the information has been edited correctly, the connected device or the version of the connected device may be not compatible with this software. Refer to the "Compatible devices" section (page 5) for further information.

2. After confirming the edited information is correct and the compatible devices are connected, click the [Start...] button and complete the download.

Step 8

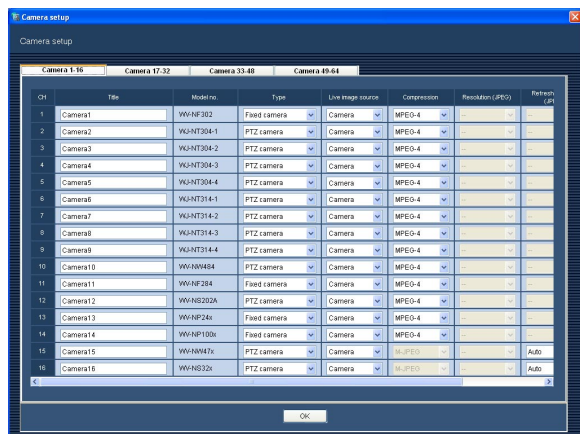
Complete the setting of "Device title" and "FTP port number".



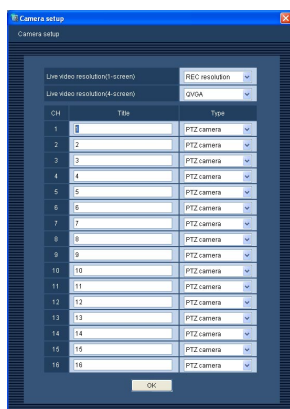
Step 9

Click the [Setup...] button.

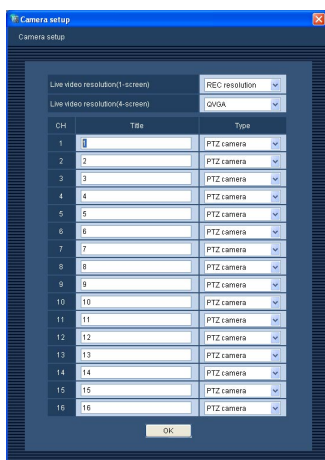
→ The "Camera setup" window will be displayed.



<The camera setup window of network disk recorder>



<The camera setup window of the HD300>



<The camera setup window of the HD600>

The following are descriptions about each item displayed on the "Camera setup" window.

■ [Camera CH] tabs

Click the tab to change the setup page.

Notes:

- The displayed tab varies with recorders.
- The tab will not be displayed when using HD300 or HD600.

■ CH

The camera channel numbers will be displayed.

■ Title

The camera titles contained in the downloaded recorder information will be displayed. The displayed titles can be edited.

When editing the title, enter up to 16 characters. The following characters are unavailable for the camera title.

! \$ % ' < = > @ [\] ^ _ ` { | } ~

■ Model no.

The model numbers of the cameras contained in the downloaded recorder information will be displayed. "--" will be displayed for the camera channel for which no camera is set.

■ Type

The camera type contained in the downloaded recorder information will be displayed.

PTZ camera: Camera with all functions available with this software

Fixed camera: Camera without the auto functions, the panning/tilting functions and the preset position function

Default: When the recorder in use is a network disk recorder, the default differs depending on the model number of the camera. When the recorder in use is HD300 or HD600, the default is "PTZ camera".

Note:

Even when the camera type is changed, the camera icon registered in the map will not be changed.

■ Live image source

Select "Camera" or "Recorder" to determine whether to display live images directly from the camera or via the recorder.

Recorder: Display live images from the camera via the recorder

Camera: Display live images directly from the camera
Even when selecting "Camera", it is necessary to register the camera in the recorder. Refer to the operating instructions of the recorder in use for how to register the camera.

Default: When the camera in use is compatible with the direct image reception function (displays live images directly from the camera), the default is "Camera".

When the camera in use is not compatible with the direct image reception function, the default is "Recorder".

Note:

When "Camera" is selected, live images from the camera can be displayed even when "OFF" is selected for "LIVE VIDEO" of the setup menu of the recorder.

■ Compression

Select the image compression type of the camera.
The image compression type can be selected only when using an H.264 or MPEG-4 camera and "Camera" is selected for "Live image source".

M-JPEG: Live images will be displayed in the M-JPEG format.

MPEG-4: Live images will be displayed in the MPEG-4 format.

H.264: Live images will be displayed in the H.264 format.

Default:

The setting that is set for the recorder will be displayed.

Refer to the operating instructions of the recorder in use for how to configure the image compression type of the camera on the setup menu of the recorder.

■ Resolution (JPEG)

Select the resolution from the following.

The resolution setting can be set only when "Camera" is selected for "Live image source" and "M-JPEG" is selected for "Compression".

Auto^{†1}: Images whose resolution is VGA (640 x 480) will automatically be fit into the area when displaying on a 1-screen or a 4-screen. Images whose resolution is QVGA (320 x 240) will automatically be fit into the area when displaying on a 9-screen or a 16-screen.

QVGA: Images whose resolution is QVGA (320 x 240) will automatically be fit into the area regardless of the screen pattern.

VGA: Images whose resolution is VGA (640 x 480) will automatically be fit into the area regardless of the screen pattern.

SVGA: Images whose resolution is SVGA (800 x 600) will automatically be fit into the area regardless of the screen pattern.

SXVGA^{†2}: Images whose resolution is SXVGA (1 280 x 960) will automatically be fit into the area regardless of the screen pattern.

QXGA: Images whose resolution is QXGA (2 048 x 1 536) will automatically be fit into the area regardless of the screen pattern.

Default:

When "Camera" is selected for "Live image source" and "M-JPEG" is selected for "Compression", "Auto" is the default. When the selected parameters for "Live image source" and "Compression" are other than "Camera" and "M-JPEG" respectively, "--" is the default.

^{†1} When the image capture mode of NP502 or NW502 is 3 megapixels, the operations will be same as those when "VGA" is selected.

^{†2} When "Partial" is selected for the scan mode of NP100*, the resolution will be 960 x 720.

■ Refresh interval (JPEG)

Determine the refresh interval of the camera (number of images to be refreshed per second).

The refresh interval setting can be set only when "Camera" is selected for "Live image source" and "M-JPEG" is selected for "Compression".

Auto/0.1 ips/0.2 ips/0.3 ips/0.5 ips/1 ips/2 ips/3 ips/5 ips/10 ips/15 ips/All

When "Auto" is selected, an appropriate refresh interval will be applied according to the value set for "JPEG/VGA (Live/Playback)" on the "Performance" page.

When "All" is selected, the refresh interval will be "30 ips".

Default:

When "Camera" is selected for "Live image source" and "M-JPEG" is selected for "Compression", "Auto" is the default.

When the selected parameters for "Live image source" and "Compression" are other than "Camera" and "M-JPEG" respectively, "--" is the default.

Notes:

- "0.1 ips", "0.2 ips", "0.3 ips" and "0.5 ips" may be unavailable depending on the model of the camera.
 - The actual refresh interval may become slower than the set refresh interval depending on the network environment, the settings of the camera and the set maximum refresh interval on the "Performance" page.
 - Refer to the "Set the maximum refresh interval [Performance]" section (page 22) for how to set the maximum refresh interval.
-

■ Stream type (H.264/MPEG-4)

Select the type of stream from the following.

It is possible to select this item when the camera in use is supporting the H.264 format, "Camera" is selected for "Live image source", and "H.264" or "MPEG-4" is selected for "Compression".

AUTO: H.264 and MPEG-4 (1) streams are applied while 1-screen images are displayed. H.264 and MPEG-4 (2) streams are applied while 4-screen, 9-screen or 16-screen images are displayed.

H.264/MPEG-4 (1): H. 264 and MPEG-4 (1) streams are always applied.

H.264/MPEG-4 (2): H. 264 and MPEG-4 (2) streams are always applied.

Default: H.264/MPEG-4 (1)

Notes:

- Refer to the operating instructions of the camera in use for further information about the settings of "H.264/MPEG-4 (1)" and "H.264/MPEG-4 (2)".
 - When selecting "AUTO", it is possible to eliminate the network bandwidth and lower the CPU load of the PC by performing the settings of H.264/MPEG-4 (1) for 1-screen display or by performing the settings of H.264/MPEG-4 (2) for multi-screen display.
-

■ Address

The address of the camera contained in the downloaded recorder information will be displayed.

■ Live video resolution (1-screen)

Select the capture size of live images displayed on a 1-screen from the following.

REC resolution: Live images are transmitted with the resolution applied at the time of recording.

QVGA: Live images are transmitted in the QVGA size.

Default: REC resolution

■ Live video resolution (4-screen)

Select the capture size of live images displayed on a 4-screen from the following.

REC resolution: Live images are transmitted with the resolution applied at the time of recording.

QVGA: Live images are transmitted in the QVGA size.

Default: QVGA

Notes:

- Refer to the installation guide of WJ-HD600 for further information about the settings of "REC resolution" and the detailed settings relating to transmission (transmission rate, image quality, etc.) when "QVGA" is selected.
 - If the transmission rate is low while images are transmitted from the recorder, the transmitted image sometimes may not be displayed. While live images are being displayed in sequence, select "QVGA" for "Live video resolution (1-screen)" and "Live video resolution (4-screen)".
-

■ [OK] button

The "Camera setup" window will be closed.

Step 10

Click the [OK] button after completing the settings.

→ The "Camera setup" window will close.

Note:

The edited settings will not be saved and applied even when the "Camera setup" window is closed by clicking the [OK] button. To save and apply the settings, click the [Set] button on the "Device registration" window after closing the "Camera setup" window.

Step 11

Click the [Set] button on the "Device registration" window.

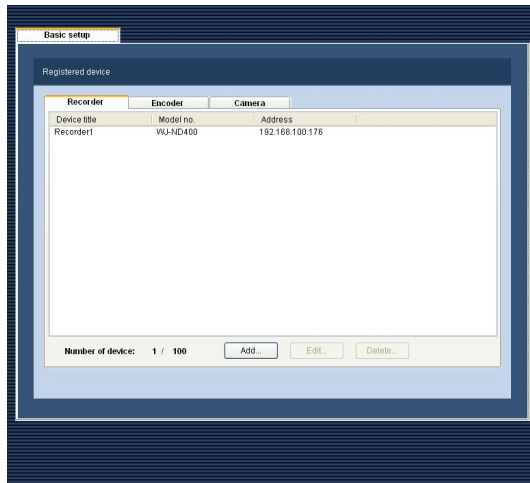
→ The "Device registration" window will close and the settings will be saved and applied.

The registered recorder will be displayed in the list of the registered device.

Edit the registered recorder information [Basic setup]

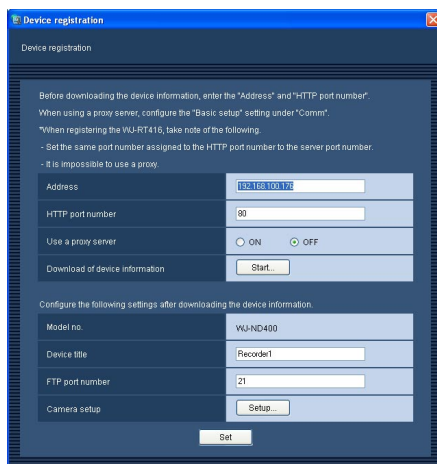
Step 1

Display the "Registered device" window of the recorder. (☞ page 23)



Step 2

Select the recorder whose information is to be edited, and then click the [Edit...] button.
→ The "Device registration" window will be displayed.



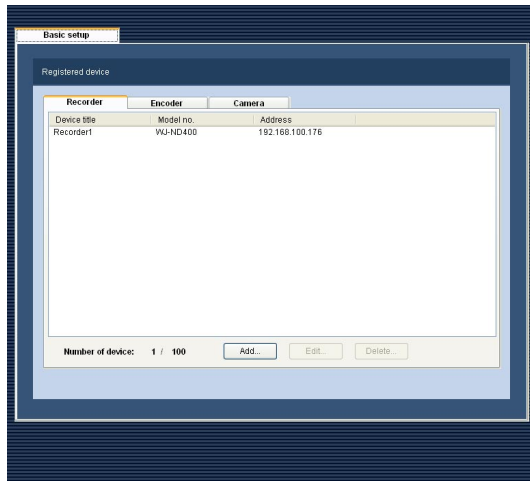
Step 3

Click the [Set] button after editing the information.
Refer to the "Register a recorder [Basic setup]" section (☞ page 23) for further information.
→ The "Device registration" window will close and the settings will be saved and applied.

Delete the registered recorder [Basic setup]

Step 1

Display the "Registered device" window of the recorder. (☞ page 23)



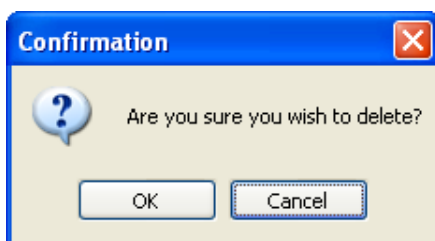
Step 2

Select the recorder to be deleted.

Step 3

Click the [Delete...] button.

→ The confirmation window will be displayed.



Step 4

Click the [OK] button.

→ The device information will be deleted.

Register an encoder [Basic setup]

Step 1

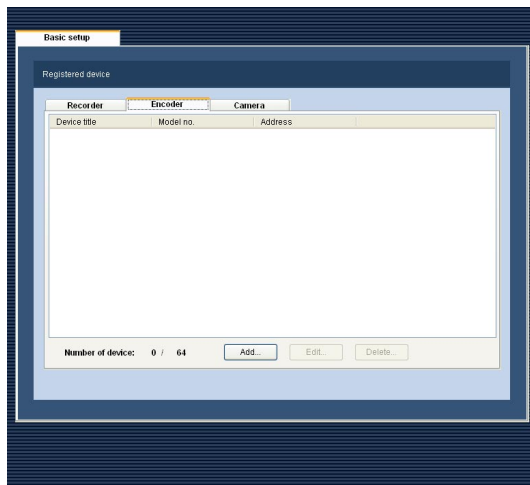
Click the [Device mng.] button.

→ The "Registered device" window will be displayed.

Step 2

Click the [Encoder] tab.

→ The "Registered device" window of the encoder will be displayed.



The following are descriptions about each item displayed on the "Registered device" window of the encoder.

■ Registered device

Titles of the registered encoders, model numbers and their addresses will be displayed in list form.

■ Number of device

Number of the registered encoders will be displayed.

■ [Add...] button

Click this button to display the "Device registration" window.

■ [Edit...] button

The "Device registration" window of the encoder selected from the list will be displayed.

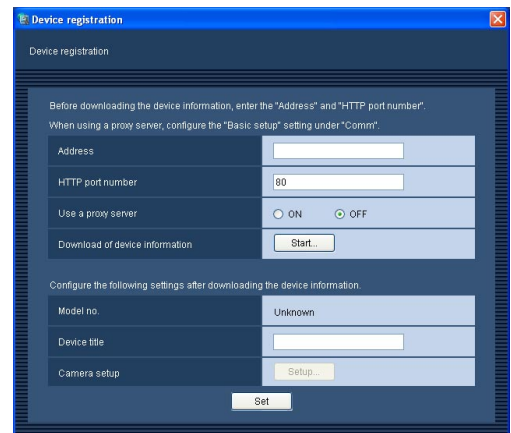
■ [Delete...] button

The encoder selected from the list will be deleted.

Step 3

Click the [Add...] button.

→ The "Device registration" window will be displayed.



Note:

The [Add...] button will become unavailable when reached the maximum number of encoder registration.

The following are descriptions about each item displayed on the "Device registration" window of the encoder.

■ Address

Enter the IP address of the encoder.

Enter up to 255 alphanumeric characters.

■ HTTP port number

Enter a number among the following for the HTTP port number.

1 - 65535

Default: 80

■ Use a proxy server

Determine whether to use or not use a proxy server to connect the encoder.

ON: Use a proxy server

OFF: Not use a proxy server

Default: OFF

Note:

The proxy server address can be set on the [Basic setup] tab of the "Comm" page (page 69).

■ [Start...] button

Encoder information will be downloaded based on the settings of "Address", "HTTP port number" and "Use a proxy server".

■ Model no.

The model number contained in the downloaded encoder information will be displayed.

"Unknown" will be displayed when encoder information is not downloaded yet.

■ Device title

Enter the encoder title.

Enter up to 16 characters.

The following characters are unavailable for the encoder title.

! \$ % ' < = > @ [\] ^ _ ` { | } ~

■ [Setup...] button

The "Camera setup" window will be displayed.

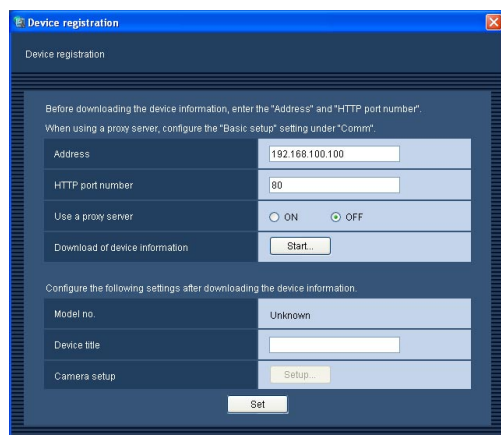
The [Setup...] button will be unavailable until encoder information is obtained.

■ [Set] button

The edited setting will be saved and applied.

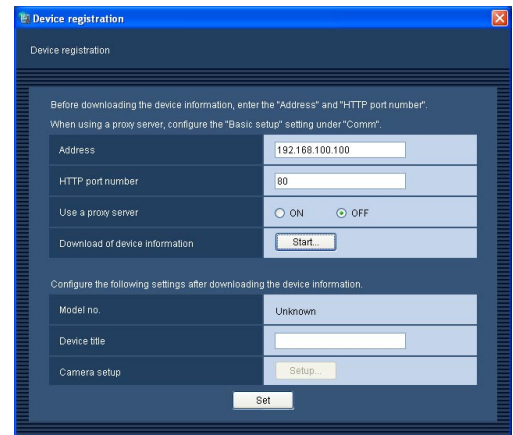
Step 4

Complete the settings of "Address", "HTTP port number" and "Use a proxy server".



Step 5

Click the [Start...] button.

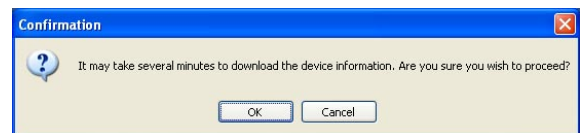


Important:

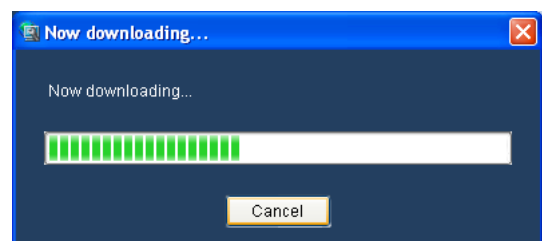
When the settings of the setup menu of the encoder are edited, download the encoder information again.

Step 6

Click the [OK] button.



→ The downloading status window will be displayed. To cancel downloading the encoder information, click the [Cancel] button on the displayed downloading status window.

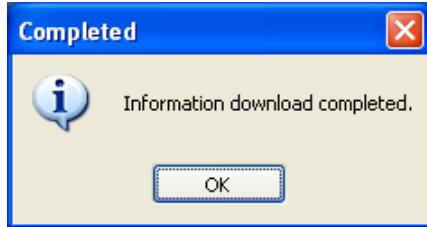


Step 7

The message window will be displayed when download process ended.

<When downloading of the encoder information is completed>

1. Click the [OK] button.

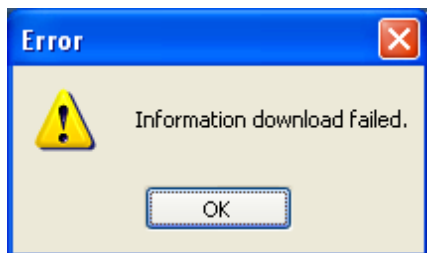


→ The confirmation window will close.

2. Go to step 8.

<When downloading of the encoder information failed>

1. Click the [OK] button on the error message window and check if the information on the "Device registration" window has been edited correctly.



Note:

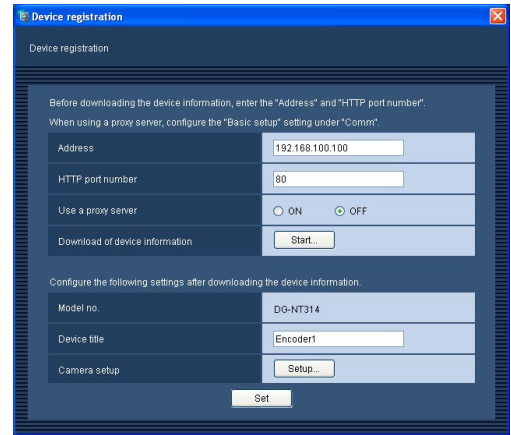
Check if the entered device information is correct. When the information has been edited correctly, the connected device or the version of the connected device may be not compatible with this software.

Refer to the "Compatible devices" section (page 5) for further information.

2. After confirming the edited information is correct and the compatible devices are connected, click the [Start...] button and complete the download.

Step 8

Enter for "Device title".



Step 9

Click the [Setup...] button.

→ The "Camera setup" window will be displayed.



<GXE500 Camera setup window>



<NT304/NT314 Camera setup window>

The following are descriptions about each item displayed on the "Camera setup" window of the encoder.

■ CH

The camera channel numbers will be displayed.

■ Title

Enter the camera title.

Enter up to 16 characters for the camera title.

The following characters are unavailable for the camera title.

! \$ % ' < = > @ [\] ^ _ ` { | } ~

Default: Camera channel number

■ Type

Select the camera type.

PTZ camera: All camera operations will become available.

Fixed camera: All camera functions except the auto functions, the panning/tilting functions and the pre-set position function are available.

Default: PTZ camera

Note:

The camera icon registered in the map will not change even when the camera type is changed.

■ Compression

Select the image compression method from the following.

M-JPEG: Live images will be displayed in the M-JPEG format.

MPEG-4: Live images will be displayed in the MPEG-4 format.

H.264: Live images will be displayed in the H.264 format.

Default: When the encoder in use is supporting the H.264 format, the default is "H.264". When the encoder in use is not supporting the H.264 format, the default is "MPEG-4".

■ Resolution (JPEG)

Select the resolution from the following.

The resolution setting can be configured only when "M-JPEG" is selected for "Compression".

AUTO: Images whose resolution is VGA (640 x 480) will automatically be fit into the area when displaying on a 1-screen or a 4-screen.

Images whose resolution is QVGA (320 x 240) will automatically be fit into the area when displaying on a 9-screen or a 16-screen.

QVGA: Images whose resolution is QVGA (320 x 240) will automatically be fit into the area regardless of the screen pattern.

VGA: Images whose resolution is VGA (640 x 480) will automatically be fit into the area regardless of the screen pattern.

Default:

When "M-JPEG" is selected for "Compression", "Auto" is the default.

When "Compression" is other than "M-JPEG", "--" is the default.

■ Refresh interval (JPEG)

Determine the refresh interval of the camera (number of images to be refreshed per second).

The refresh interval setting can be configured only when "M-JPEG" is selected for "Compression".

Auto/0.1 ips/0.2 ips/0.3 ips/0.5 ips/1 ips/2 ips/3 ips/5 ips/10 ips/15 ips/All

When "Auto" is selected, an appropriate refresh interval will be applied according to the value set for "JPEG/VGA (Live/Playback)" on the "Performance" page.

When "All" is selected, the refresh interval will be "30 ips".

Default:

When "M-JPEG" is selected for "Compression", "Auto" is the default.

When "Compression" is other than "M-JPEG", "--" is the default.

Notes:

- The actual refresh interval may become slower than the set refresh interval depending on the network environment, the settings of the camera and the set maximum refresh interval on the "Performance" page.
 - Refer to the "Set the maximum refresh interval [Performance]" section (page 22) for how to set the maximum refresh interval.
-

■ Stream type (H.264/MPEG-4)

Select the type of stream from the following.

It is impossible to select this item unless "H.264" or "MPEG-4" is selected for "Compression" for an H.264 encoder.

H.264/MPEG-4 (1): H. 264 and MPEG-4 (1) streams are always applied.

H.264/MPEG-4 (2): H. 264 and MPEG-4 (2) streams are always applied.

Default: H.264/MPEG-4 (1)

Note:

Refer to the operating instructions of the encoder in use for further information about the settings of "H.264/MPEG-4 (1)" and "H.264/MPEG-4 (2)".

■ [OK] button

Click this button to close the "Camera setup" window.

Step 10

Click the [OK] button after completing the settings.
→ The "Camera setup" window will close.

Note:

The edited settings will not be saved and applied even when the "Camera setup" window is closed by clicking the [OK] button.

To save and apply the settings, click the [Set] button on the "Device registration" window after closing the "Camera setup" window.

Step 11

Click the [Set] button on the "Device registration" window.

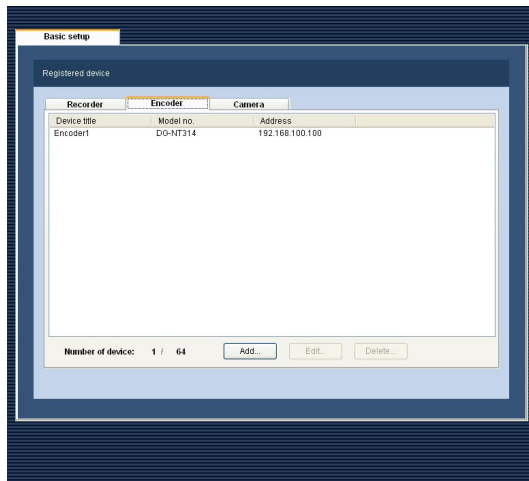
→ The "Device registration" window will close and the settings will be saved and applied.

The registered encoder will be displayed in the list of the registered devices.

Edit the registered encoder information [Basic setup]

Step 1

Display the "Registered device" window of the encoder. (☞ page 31)

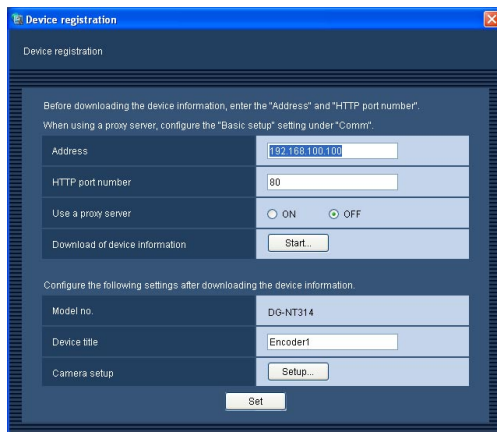


Step 3

Click the [Set] button after editing the information. Refer to the "Register an encoder [Basic setup]" section (☞ page 31) for further information.
→ The "Device registration" window will close and the settings will be saved and applied.

Step 2

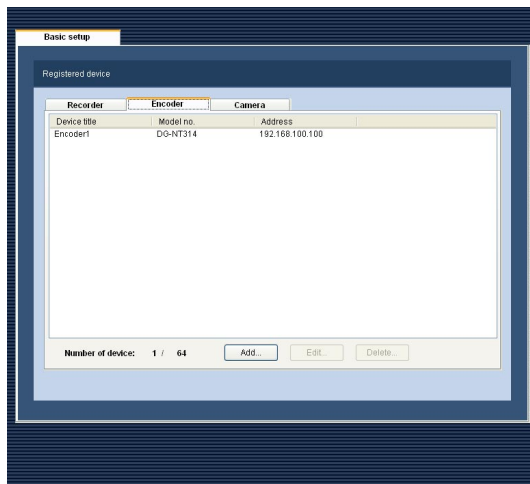
Select the encoder whose information is to be edited from the list of the registered devices, and then click the [Edit...] button.
→ The "Device registration" window will be displayed.



Delete the registered encoder [Basic setup]

Step 1

Display the "Registered device" window of the encoder. (→ page 31)



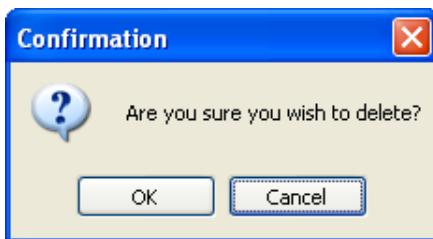
Step 2

Select the encoder to be deleted from the list of the registered devices.

Step 3

Click the [Delete...] button.

→ The confirmation window will be displayed.



Step 4

Click the [OK] button.

→ The device information of the selected encoder will be deleted.

Register a camera [Basic setup]

Step 1

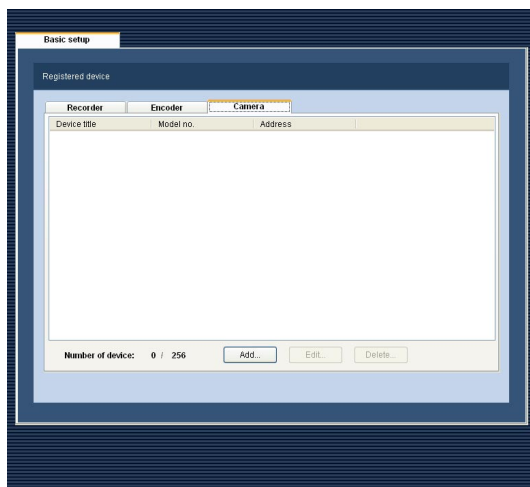
Click the [Device mng.] button.

→ The "Registered device" window will be displayed.

Step 2

Click the [Camera] tab.

→ The "Registered device" window of the camera will be displayed.



The following are descriptions about each item displayed on the "Registered device" window of the camera.

■ Registered device

Titles of the registered cameras, model numbers and theirs addresses will be displayed in list form.

■ Number of device

Number of the registered cameras will be displayed.

■ [Add...] button

Click this button to display the "Device registration" window.

■ [Edit...] button

The "Device registration" window of the camera selected from the list will be displayed.

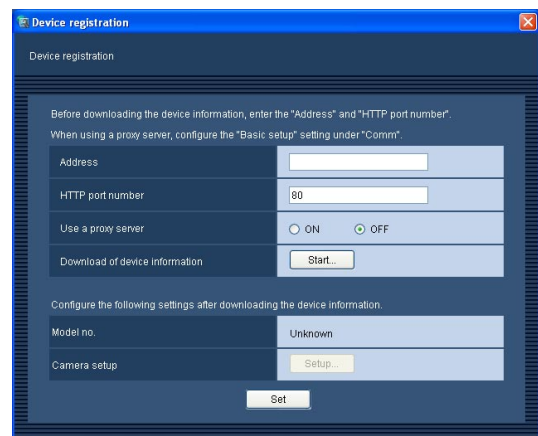
■ [Delete...] button

The camera selected from the list will be deleted.

Step 3

Click the [Add...] button.

→ The "Device registration" window will be displayed.



Note:

The [Add...] button will become unavailable when reached the maximum number of camera registration.

The following are descriptions about each item displayed on the "Device registration" window of the camera.

■ Address

Enter the IP address of the camera.

Enter up to 255 alphanumeric characters.

■ HTTP port number

Enter a number among the following for the HTTP port number.

1 - 65535

Default: 80

■ Use a proxy server

Determine whether to use or not use a proxy server to connect the camera.

ON: Use a proxy server

OFF: Not use a proxy server

Default: OFF

Note:

The proxy server address can be set on the [Basic setup] tab of the "Comm" page (☞ page 69).

■ [Start...] button

Camera information will be downloaded based on the settings of "Address", "HTTP port number" and "Use a proxy server".

■ Model no.

The model number contained in the downloaded camera information will be displayed.

"Unknown" will be displayed when camera information is not downloaded yet.

■ [Setup...] button

The "Camera setup" window will be displayed.

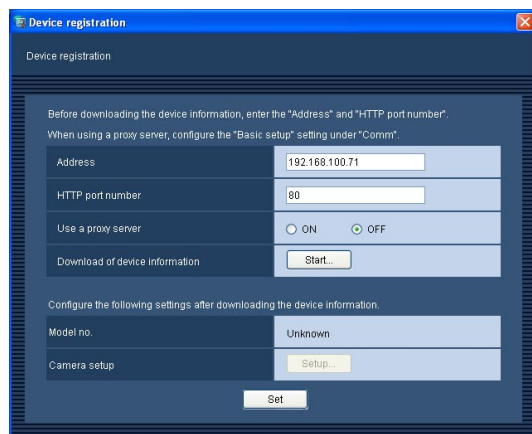
The [Setup...] button will be unavailable until camera information is obtained.

■ [Set] button

The edited setting will be saved and applied.

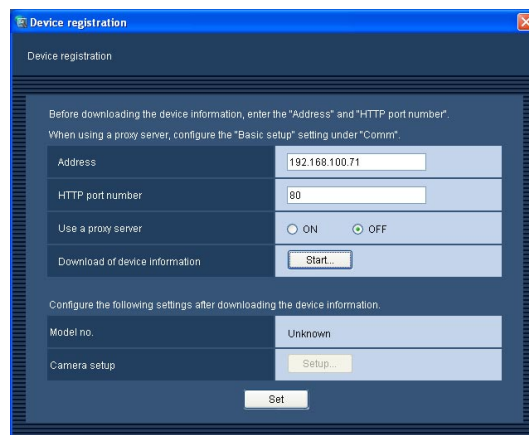
Step 4

Complete the settings of "Address", "HTTP port number" and "Use a proxy server".



Step 5

Click the [Start...] button.



Important:

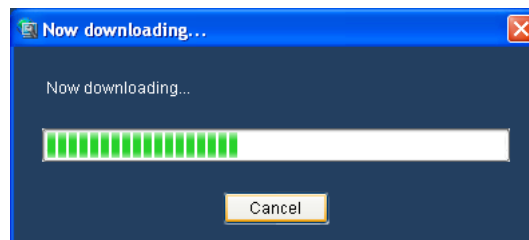
When the settings of the setup menu of the camera are edited, download the camera information again.

Step 6

Click the [OK] button.



→ The downloading status window will be displayed.
To cancel downloading the camera information, click the [Cancel] button on the displayed downloading status window.

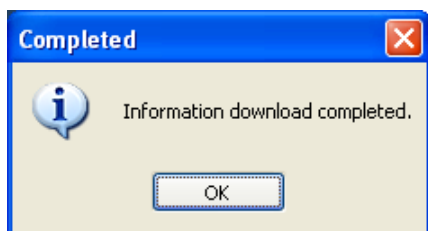


Step 7

The message window will be displayed when download process ended.

<When downloading of the camera information is completed>

1. Click the [OK] button.

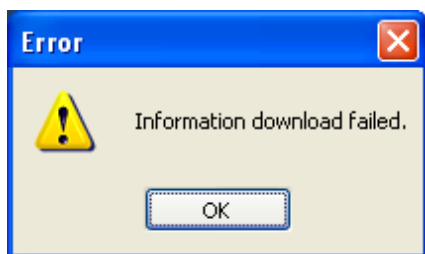


→ The confirmation window will close.

2. Go to step 8.

<When downloading of the camera information failed>

1. Click the [OK] button on the error message window and check if the information on the "Device registration" window has been edited correctly.



Note:

Check if the entered device information is correct. When the information has been edited correctly, the connected device or the version of the connected device may be not compatible with this software.

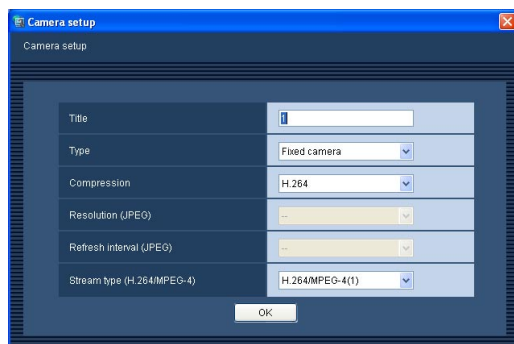
Refer to the "Compatible devices" section (page 5) for further information.

2. After confirming the edited information is correct and the compatible devices are connected, click the [Start...] button and complete the download.

Step 8

Click the [Setup...] button.

→ The "Camera setup" window will be displayed.



The following are descriptions about each item displayed on the "Camera setup" window of the camera.

■ Title

Enter the camera title.

Enter up to 16 characters for the camera title.

The following characters are unavailable for the camera title.

! \$ % ' < = > @ [\] ^ _ ` { | } ~

Default: 1

■ Type

Select the camera type.

PTZ camera: All camera operations will become available.

Fixed camera: All camera functions except the auto functions, the panning/tilting functions and the pre-set position function are available.

Default: Differs depending on the model number of the camera.

Note:

The camera icon registered in the map will not change even when the camera type is changed.

■ Compression

Select the image compression type of the camera.

Only the H.264 or MPEG-4 cameras can be selected.

M-JPEG: Live images will be displayed in the M-JPEG format.

MPEG-4: Live images will be displayed in the MPEG-4 format.

H.264: Live images will be displayed in the H.264 format.

Default:

When the camera in use is a camera supporting the H.264 format, the default is "H.264". When the camera in use is a camera supporting the MPEG-4 format, the default is "MPEG-4". When the camera in use is not supporting the H.264 or MPEG-4 format, the default is "M-JPEG".

Note:

Configure the settings in accordance with cameras in use.

■ Resolution (JPEG)

Select the resolution from the following.

The resolution setting can be configured only when "M-JPEG" is selected for "Compression".

Auto^{†1}: Images whose resolution is VGA (640 x 480) will automatically be fit into the area when displaying on a 1-screen or a 4-screen.

Images whose resolution is QVGA (320 x 240) will automatically be fit into the area when displaying on a 9-screen or a 16-screen.

QVGA: Images whose resolution is QVGA (320 x 240) will automatically be fit into the area regardless of the screen pattern.

VGA: Images whose resolution is VGA (640 x 480) will automatically be fit into the area regardless of the screen pattern.

SVGA: Images whose resolution is SVGA (800 x 600) will automatically be fit into the area regardless of the screen pattern.

SXVGA^{†2}: Images whose resolution is SXVGA (1 280 x 960) will automatically be fit into the area regardless of the screen pattern.

QXGA: Images whose resolution is QXGA (2 048 x 1 536) will automatically be fit into the area regardless of the screen pattern.

Default:

When "M-JPEG" is selected for "Compression", "Auto" is the default.

When "Compression" is other than "M-JPEG", "--" is the default.

^{†1}: When the image capture mode of NP502 or NW502 is 3 megapixels, the operations will be same as those when "VGA" is selected.

^{†2}: When "Partial" is selected for the scan mode of NP100*, the resolution will be 960 x 720.

■ Refresh interval (JPEG)

Determine the refresh interval of the camera (number of images to be refreshed per second).

The refresh interval setting can be configured only when "M-JPEG" is selected for "Compression".

Auto/0.1 ips/0.2 ips/0.3 ips/0.5 ips/1 ips/2 ips/3 ips/5 ips/10 ips/15 ips/All

When "Auto" is selected, an appropriate refresh interval will be applied according to the value set for "JPEG/VGA (Live/Playback)" on the "Performance" page.

When "All" is selected, the refresh interval will be "30 ips".

Default:

When "M-JPEG" is selected for "Compression", "Auto" is the default.

When "Compression" is other than "M-JPEG", "--" is the default.

Notes:

- "0.1 ips", "0.2 ips", "0.3 isp" and "0.5 ips" may be unavailable depending on the model of the camera.
- The actual refresh interval may become slower than the set refresh interval depending on the network environment, the settings of the camera and the set maximum refresh interval on the "Performance" page.
- Refer to the "Set the maximum refresh interval [Performance]" section (page 22) for how to set the maximum refresh interval.

■ Stream type (H.264/MPEG-4)

Select the type of stream from the following.

It is impossible to select this item unless "H.264" or "MPEG-4" is selected for "Compression" for an H.264 camera.

AUTO: H.264 and MPEG-4 (1) streams are applied while 1-screen images are displayed. H.264 and MPEG-4 (2) streams are applied while 4-screen, 9-screen or 16-screen images are displayed.

H.264/MPEG-4 (1): H. 264 and MPEG-4 (1) streams are always applied.

H.264/MPEG-4 (2): H. 264 and MPEG-4 (2) streams are always applied.

Default: H.264/MPEG-4 (1)

Notes:

- Refer to the operating instructions of the camera in use for further information about the settings of "H.264/MPEG-4 (1)" and "H.264/MPEG-4 (2)".
- When selecting "AUTO", it is possible to eliminate the network bandwidth and lower the CPU load of the PC by performing the settings of H.264/MPEG-4 (1) for 1-screen display or by performing the settings of H.264/MPEG-4 (2) for multi-screen display.

■ [OK] button

Click this button to close the "Camera setup" window.

Step 9

Click the [OK] button after completing the settings.

→ The "Camera setup" window will close.

Note:

The edited settings will not be saved and applied even when the "Camera setup" window is closed by clicking the [OK] button.

To save and apply the settings, click the [Set] button on the "Device registration" window after closing the "Camera setup" window.

Step 10

Click the [Set] button on the "Device registration" window.

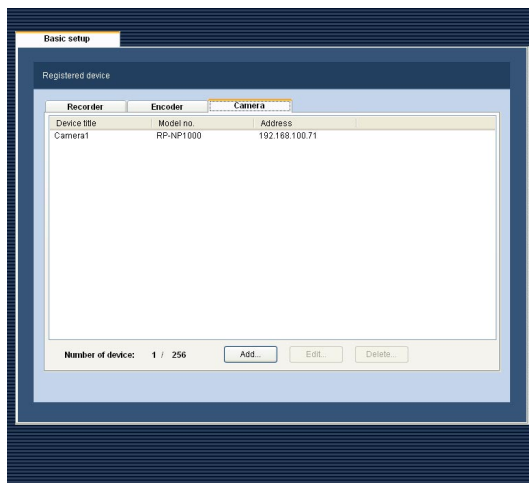
→ The "Device registration" window will close and the settings will be saved and applied.

The registered camera will be displayed in the list of the registered devices.

Edit the registered camera information [Basic setup]

Step 1

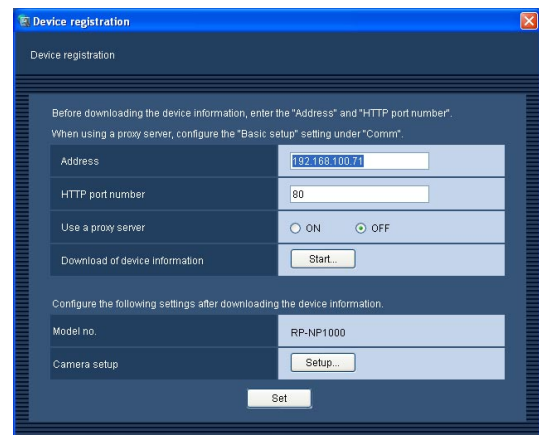
Display the "Registered device" window of the camera.
(☞ page 38)



Step 2

Select the camera whose information is to be edited from the list of the registered devices, and then click the [Edit...] button.

→ The "Device registration" window will be displayed.




Step 3

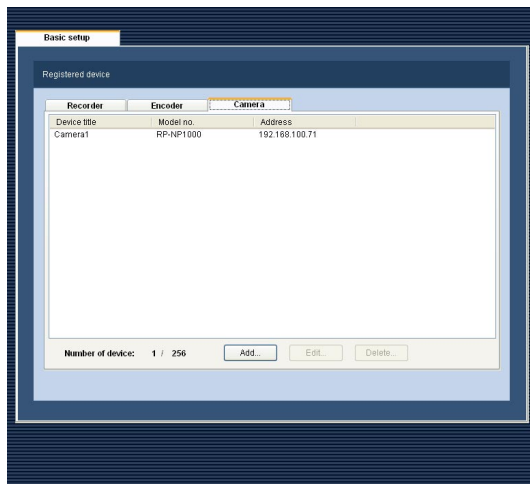
Click the [Set] button after editing the information. Refer to the "Register a camera [Basic setup]" section (☞ page 38) for further information.

→ The "Device registration" window will close and the settings will be saved and applied.

Delete the registered camera [Basic setup]

Step 1

Display the "Registered device" window of the camera.
( page 38)

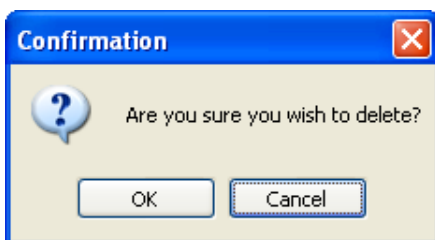


Step 2

Select the camera to be deleted from the list of the registered devices.

Step 3

Click the [Delete...] button.
→ The confirmation window will be displayed.



Step 4

Click the [OK] button.
→ The device information of the selected camera will be deleted.

Settings relating to the user management

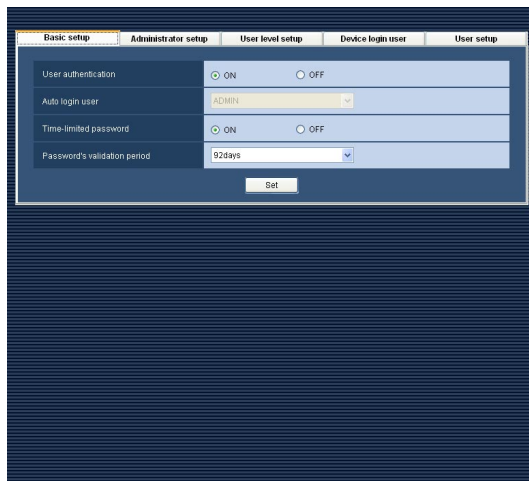
The settings relating to the user management such as, the user authentication setting, addition of a user, edit/deletion of user information, the user level setting, etc. can be configured.

User authentication, auto login user, password's validation period setting [Basic setup]

Click the [User mng.] button, and then click the [Basic setup] tab to display the "Basic setup" page.
The following settings can be configured.

- User authentication ON/OFF
- Auto login ON/OFF
- Time-limited password ON/OFF
- Password's validation period

When "ON" is selected for "Time-limited password", set the password's validation period.



■ User authentication

Determine whether to require the user authentication for login or not.

ON: Require the user authentication for login

OFF: Not require the user authentication for login

Default: ON

■ Auto login user

When "OFF" is selected for "User authentication", select the user who can log in as the auto login user. Select the user from the registered users and the administrator for the auto login user.

When the user registered as the auto login user is deleted, the administrator will automatically be set as the auto login user.

Default: ADMIN

■ Time-limited password

Determine whether to set the password's validation period or not.

When "ON" is selected for "Time-limited password" and the set validation period has passed, the "Password change" window will be displayed each time trying to log in to the operation software.

ON: Sets the validation period for the password

OFF: Does not set the validation period for the password

Default: ON

■ Password's validation period

Select the validation period for the password from the following. The password's validation period can be selected only when "ON" is selected for "Time-limited password".

31 days/92 days/184 days

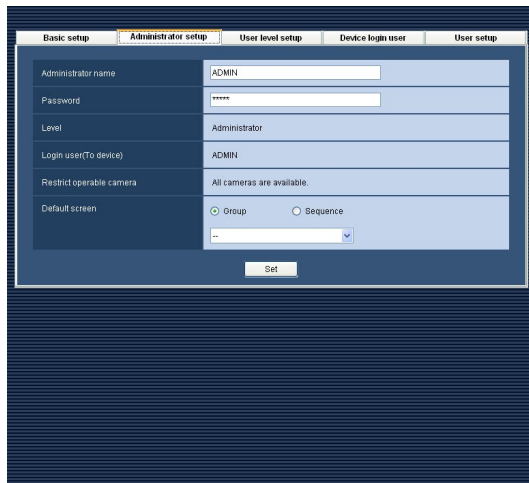
Default: 92 days

■ [Set] button

The edited settings will be saved and applied.

Settings relating to the administrator [Administrator setup]

Click the [User mng.] button, and then click the [Administrator setup] tab to display the "Administrator setup" page. Configure the settings relating to the administrator on this page.



■ Administrator name

Enter 4 - 14 alphanumeric characters for the administrator name.

The administrator name already in use cannot be used.

Default: ADMIN

■ Password

Enter 4 - 8 alphanumeric characters for the password.

Default: 12345

Important:

To enhance the security, change the administrator password periodically.

■ Level

The user level will be displayed. The user level of the administrator is "Administrator" and it is impossible to change.

■ Login user(To device)

The user name used to log in to the device will be displayed. The displayed user name is of user's who is set as "User0" on the "Device login user" page (🔗 page 48).

It is impossible to change the device login name of the administrator on this page.

Default: ADMIN

■ Restrict operable camera

"All cameras are available." will be displayed.

It is impossible to change the operable cameras for the administrator.

■ Default screen

Select "Group" or "Sequence" to determine how to display live images just after login.

Group: The group display will start to display live images just after login.

Sequence: The sequence display will start to display live images just after login.

Default: Group

<When "Group" is selected>

It is possible to select the group registered on the "Group regist." window. When no group is registered, only "--" will be displayed in the drop-down list. In this case, a black screen will be displayed in the image display area of the operation window just after login. Refer to the "Register a group [Group]" section (🔗 page 54) for how to register groups.

Default: --

<When "Sequence" is selected>

It is possible to select the sequence registered on the "Sequence regist." window. When no sequence is registered, only "--" will be displayed in the drop-down list. In this case, a black screen will be displayed in the image display area of the operation window just after login.

Refer to the "Register a sequence [Sequence]" section (🔗 page 58) for how to register sequences.

Default: --

Note:

The sequence display will function with the sequence dwell time configured using the operation software.

■ [Set] button

The edited settings will be saved and applied.

Apply the user level for each user [User level setup]

Click the [User mng.] button, and then click the [User level setup] tab to display the "User level setup" page.

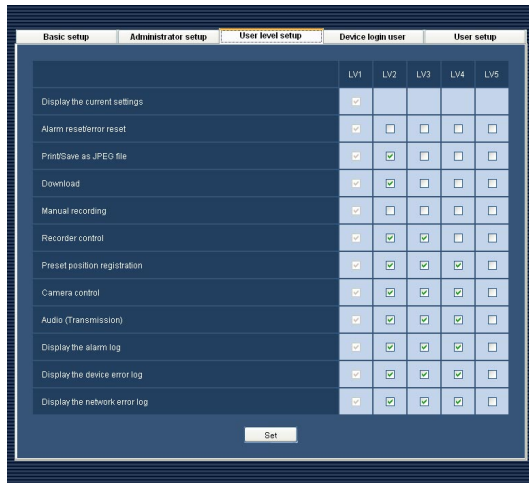
The administrator can determine operable functions for the registered users by applying the user level.

There are 5 levels for the user level.

Users whose user level is "LV1" can operate any functions that can be restricted. The administrator can determine operable functions for "LV2" - "LV5".

Important:

Operable functions for "LV1" cannot be changed.



Step 1

Check the checkboxes to determine operable functions for each user level.

→ Functions with the checked checkboxes will become operable.

Refer to the "Functions that can be restricted" section (page 47) for the functions that can be restricted.

Step 2

Click the [Set] button after determining the operable functions for each user level.

→ The settings will be saved and applied.

Functions that can be restricted

The following functions can be restricted according to the user levels.

Function	Description
Display the current settings	It is possible to display the current settings configured using the setup software.
Alarm reset/error reset	It is possible to cancel the alarm status and the error status of the recorder.
Print/Save as JPEG file	It is possible to print/save (as a JPEG file) the displayed live image or recorded image.
Download	It is possible to manually download recorded images.
Manual recording	It is possible to start/stop recording manually.
Recorder control	It is possible to operate the recorder including searching, playing recorded images on the recorder.
Preset position registration	It is possible to register the preset positions.
Camera control	It is possible to operate the cameras.
Audio (Transmission)	It is possible to transmit audio (from the PC to the camera).
Display the alarm log	It is possible to display the alarm logs.
Display the device error log	It is possible to display the device error logs.
Display the network error log	It is possible to display the network error logs.

Important:

- "Preset position registration" is available only when "Camera control" is allowed (to be checked).
- "Manual recording" is available only when "Recorder control" is allowed (to be checked).
- "Display the current settings" is available only for users whose user level is "LV1".

Default:

Function	LV1	LV2	LV3	LV4	LV5
Display the current settings	○	—	—	—	—
Alarm reset/error reset	○				
Print/Save as JPEG file	○	○			
Download	○	○			
Manual recording	○				
Recorder control	○	○	○		
Preset position registration	○	○	○	○	
Camera control	○	○	○	○	
Audio (Transmission)	○	○	○	○	
Display the alarm log	○	○	○	○	
Display the device error log	○	○	○	○	
Display the network error log	○	○	○	○	

Register users who can log in to the device [Device login user]

Click the [User mng.] button, and then click the [Device login user] tab to display the "Device login user" page.

Enter the user name and the password to be used to log in to the device.

When logging in to the device using the operation software, the user name and password determined on this page will be required.

	User name	Password
User0	ADMIN	****
User1		
User2		
User3		
User4		
User5		
User6		
User7		
User8		
User9		
User10		
User11		
User12		
User13		
User14		
User15		
User16		

Set

Notes:

- "User0" is exclusive for the administrator. It is impossible to delete "User0".
- When logging in to the HD300 as "User0", log in with the user name "ADMIN", not with the set user name. Use the password set for "User0".
- When recorded data is downloaded from a recorder, the user name and password of User 0 shall be used to implement FTP communication. Therefore, the user name and password of the administrator of the recorder shall be assigned to the user name and password of User 0, respectively.

■ User name

Enter the user name used to log in to the device.
Enter 4 - 14 alphanumeric characters for the user name.

Default: ADMIN (User0)

■ Password

Enter the password.

The entered password will be displayed as "**".

Enter 4 - 8 alphanumeric characters for the password.

Default: 12345 (User0)

■ [Set] button

The edited settings will be saved and applied.

Important:

- Enter the user name and the password registered in the device.
The same user name and password need to be registered with all the devices connected through this software.
- The settings configured for "User0" will not be applied to this software by clicking the [Set] button. To apply the settings for "User0", restart the software.

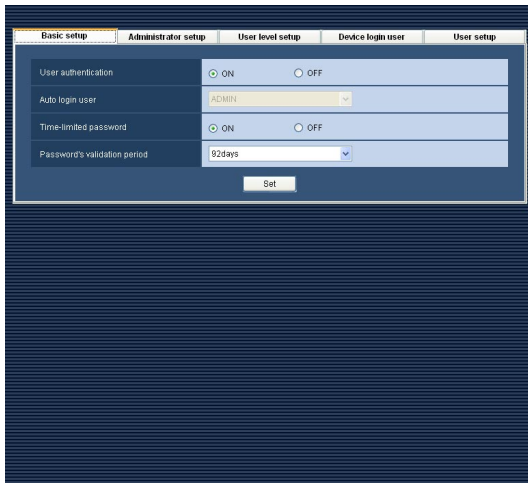
Manage the registered users [User setup]

Register users who can operate this software and edit/delete the registered user information.
Up to 32 users can be registered.

Register a user

Step 1

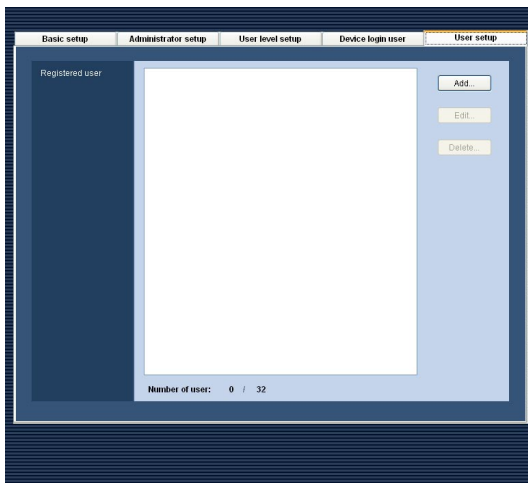
Click the [User mng.] button.



Step 2

Click the [User setup] tab.

→ The "User setup" page will be displayed.



The following are descriptions about each item displayed on the "User setup" page.

■ Registered user

The registered users will be displayed in list form.

■ Number of user

Number of the registered users will be displayed.

■ [Add...] button

The "User regist." window will be displayed.

■ [Edit...] button

The "User regist." window of the user selected from the list will be displayed.

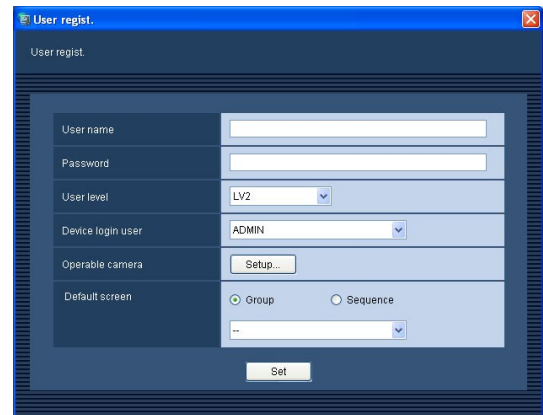
■ [Delete...] button

The user selected from the list will be deleted.

Step 3

Click the [Add...] button.

→ The "User regist." window will be displayed.



Note:

The [Add...] button will become unavailable when reached the maximum number of the user registration (32 users).

The following are descriptions about each item displayed on the "User setup" page.

■ User name

Enter 4 - 14 alphanumeric characters for the user name.

The user name already in use cannot be entered.

■ Password

Enter 4 - 8 alphanumeric characters for the password.

Note:

To enhance the security, change the password periodically.

■ User level

Select the user level to be applied to the selected user from the following.

LV1/LV2/LV3/LV4/LV5

Default: LV2

■ Device login user

Select the device login user. It is possible to select the user registered on the "Device login user" page.

■ [Setup...] button

When this button is clicked, the "Operable camera setup" window will be displayed. Refer to the "Determine operable cameras" section (☞ page 52) for how to determine the operable cameras.

■ Default screen

Select "Group" or "Sequence" to determine how to display live images just after login.

Group: The group display will start to display live images just after login.

Sequence: The sequence display will start to display live images just after login.

Default: Group

<When "Group" is selected>

It is possible to select the group registered on the "Group regist." window. When no group is registered, only "--" will be displayed in the drop-down list. In this case, a black screen will be displayed in the image display area of the operation window just after login. Refer to the "Register a group [Group]" section (☞ page 54) for how to register groups.

Default: --

<When "Sequence" is selected>

It is possible to select the sequence registered on the "Sequence regist." window. When no sequence is registered, only "--" will be displayed in the drop-down list. In this case, a black screen will be displayed in the image display area of the operation window just after login.

Refer to the "Register a sequence [Sequence]" section (☞ page 58) for how to register sequences.

Default: --

Note:

The sequence display will function with the sequence dwell time configured using the operation software.

■ [Set] button

The edited settings will be saved and applied.

Step 4

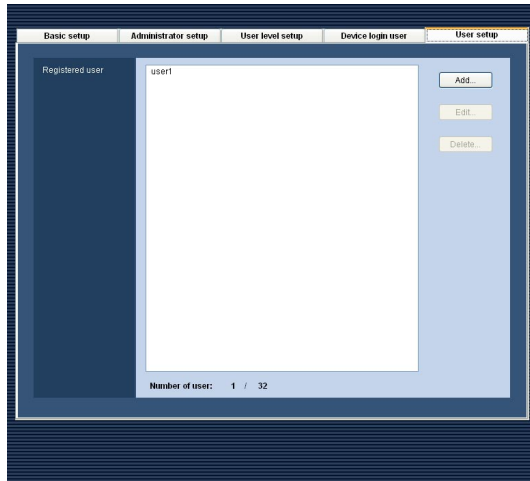
Click the [Set] button after editing the settings.

→ The "User regist." window will close and the settings will be saved and applied.

Edit the user information

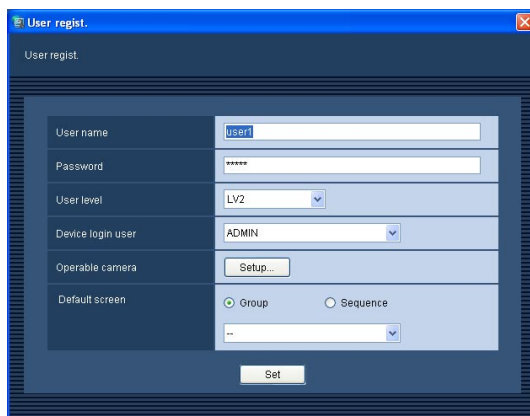
Step 1

Display the "User setup" page. (🖱️ page 49)



Step 2

Select the user whose information is to be edited, and then click the [Edit...] button.
→ The "User regist." window will be displayed.



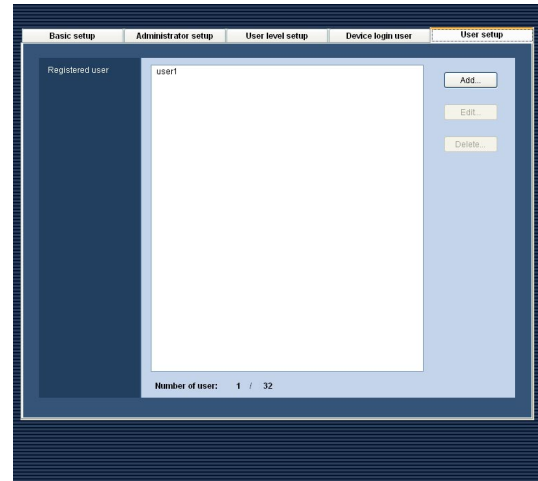
Step 3

Click the [Set] button after editing the information. Refer to the "Register a user" section (🖱️ page 49) for further information about each item.
→ The "User regist." window will close and the settings will be saved and applied.

Delete the user

Step 1

Display the "User setup" page. (🖱️ page 49)

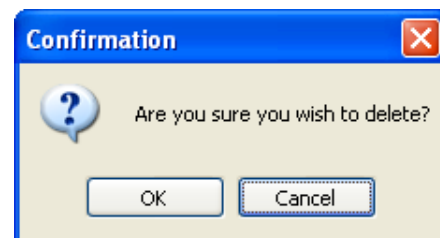


Step 2

Select the user to be deleted.

Step 3

Click the [Delete...] button.
→ The confirmation window will be displayed.



Step 4

Click the [OK] button.
→ User information of the selected user will be deleted.

Important:

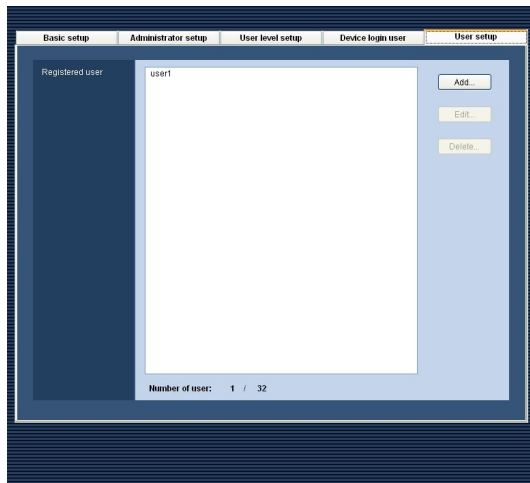
When user information of the user registered as the auto login user is deleted, the administrator will automatically be set as the auto login user.

Determine operable cameras

The administrator can determine operable cameras depending on the users.

Step 1

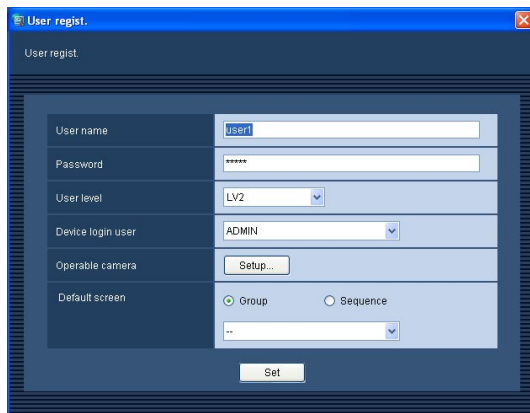
Display the "User setup" page. (page 49)



Step 2

To register a user, click the [Add...] button. To edit the user information of the registered user, click the [Edit...] button.

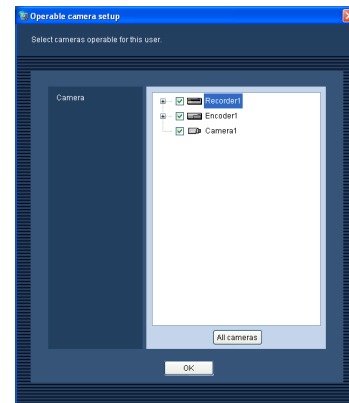
→ The "User regist." window will be displayed.



Step 3

Click the [Setup...] button.

→ The "Operable camera setup" window will be displayed.



The following are descriptions about each item displayed on the "Operable camera setup" window.

■ Camera

The registered devices will be displayed in the tree view.

Select the device from which images are to be displayed when logging in to the operation software. When no checkbox is checked, no image will be displayed after login.

Default: All checkboxes are checked.

■ [All cameras] button

All the listed cameras will be selected.

■ [OK] button

The "Operable camera setup" window will be closed.

Step 4

Click the [OK] button after editing the settings.

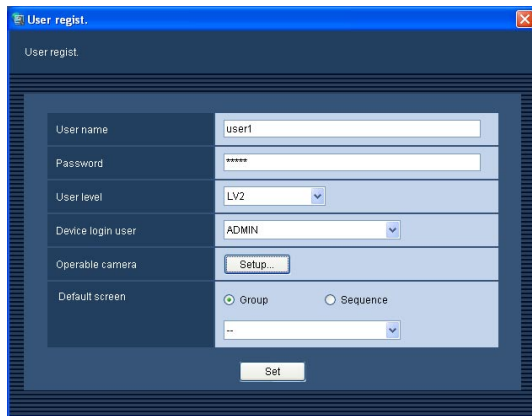
→ The "Operable camera setup" window will close and the "User regist." window will be displayed.

Note:

The edited settings will not be saved and applied even when the "Operable camera setup" window is closed by clicking the [OK] button. To save and apply the settings, click the [Set] button on the "User regist." window after closing the "Operable camera setup" window.

Step 5

Click the [Set] button on the "User regist." window.

The image shows a software window titled "User regist." with a blue title bar and standard window controls. The window has a dark blue background. Inside, there is a light blue rectangular area containing several fields: "User name" with the text "user1", "Password" with masked characters "*****", "User level" with a dropdown menu showing "LV2", "Device login user" with a dropdown menu showing "ADMIN", "Operable camera" with a "Setup..." button, and "Default screen" with radio buttons for "Group" (selected) and "Sequence", followed by a dropdown menu showing "--". At the bottom center of the window is a "Set" button.

→ The "User regist." window will close and the settings will be saved and applied.

Important:

Live images directly from the camera can be displayed even if "--" is selected for "Camera partitioning" of on the setup menu of the recorder (not allow to monitor live images) when the camera is selected as operable camera with this software.

Settings relating to the cameras

Contains settings relating to the camera group and the sequence display function.

Register a group [Group]

A combination of the screen pattern and the cameras can be registered as a group.

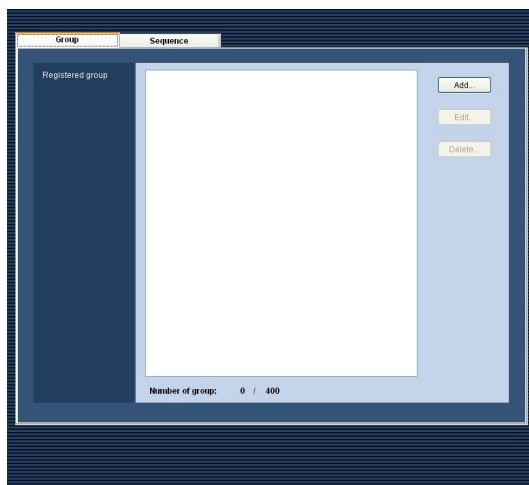
Up to 16 cameras can be registered as a group.

Up to 400 groups can be registered.

Register a group

Step 1

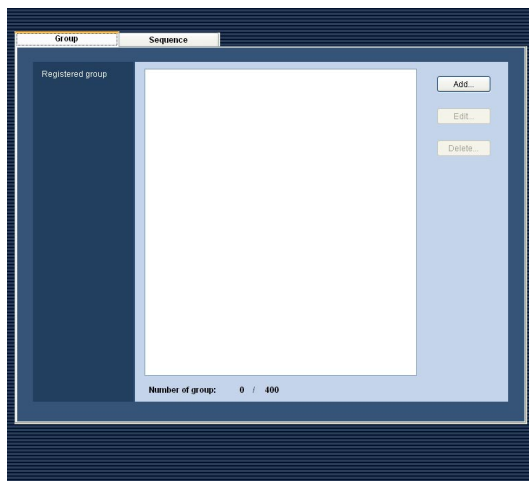
Click the [Camera] button.



Step 2

Click the [Group] tab.

→ The "Group" page will be displayed.



The following are descriptions about each item displayed on the "Group" page.

■ Registered group

The registered groups will be displayed in list form.

■ [Add...] button

The "Group regist." will be displayed.

■ [Edit...] button

The "Group regist." window of the group selected from the list will be displayed.

■ [Delete...] button

The group selected from the list will be deleted.

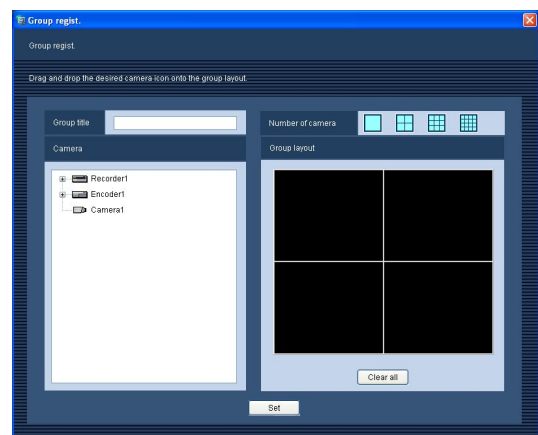
■ Number of group

Number of the registered groups will be displayed.

Step 3

Click the [Add...] button.

→ The "Group regist." window will be displayed.



Note:

The [Add...] button will become unavailable when reached the maximum number of the group registration (400 groups).

The following are descriptions about each item displayed on the "Group regist." window.

■ Group title

Enter the group title.

When editing the title, enter up to 16 characters.

The following characters are unavailable for the group title.

! \$ % ' < = > @ [\] ^ _ ` { | } ~

The group title already in use cannot be entered.





■ Camera

The registered devices will be displayed in the tree view.

■ Number of camera

Select the screen pattern to determine the number of cameras.

The icons indicate the screen pattern used for the group display as follows.

Icon	Description
	Displays the group on a 1-screen.
	Displays the group on a 4-screen.
	Displays the group on a 9-screen.
	Displays the group on a 16-screen.

Default: 4-screen

■ Group layout

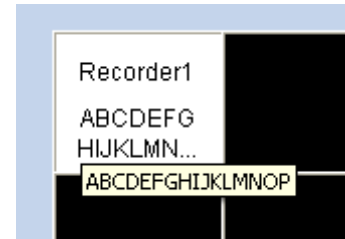
Images from the cameras registered as a group will be displayed on the selected screen pattern. Drag and drop the recorder icon, the encoder icon or the camera icon displayed in the tree view onto the desired area. When the cameras are registered, the device title and the camera title will be displayed in the areas.

Notes:

- When the recorder icon or the encoder icon is dragged and dropped, the camera channels of the recorder or the encoder will be assigned automatically from camera channel 1 in order.

- When the characters of the device title and the camera title are not fully displayed, the tool tip help will automatically be displayed and show the title fully.

Example: ABCDEFGHIJKLMNOP →
ABCDEFGHIJKLMN...



- When displaying images from a camera that is not registered in the recorder, "--" will be displayed as a device title in the group layout area.
- When the group layout area is right-clicked, the "Clear" menu appears. Selection of the "Clear" menu allows users to clear the settings of the area.

■ [Clear all] button

The settings of "Group layout" will be cleared.

■ [Set] button

The edited settings will be saved and applied.

Step 4

Click the [Set] button after editing the information.

→ The "Group regist." window will close and the settings will be saved and applied.

The group will be displayed in the list of the registered group.

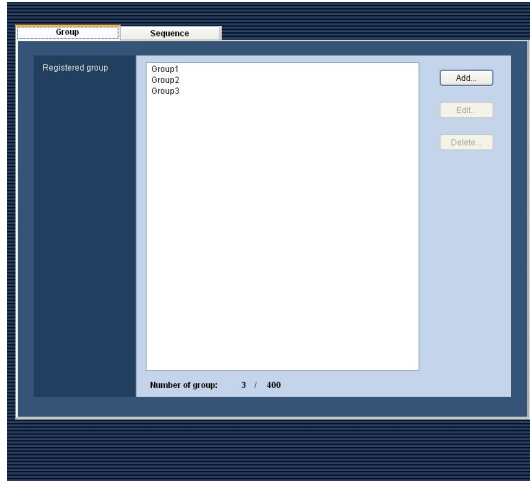
Important:

The camera already registered in the group cannot added to the same group.

Edit the group information

Step 1

Display the "Group" page. (☞ page 54)



Step 3

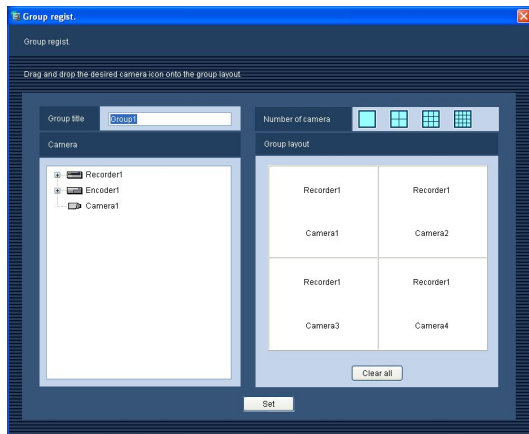
Click the [Set] button after editing the information. Refer to the "Register a group" section (☞ page 54) for further information.

→ The "Group regist." window will close and the settings will be saved and applied.

Step 2

Select the group whose information is to be edited, and then click the [Edit...] button.

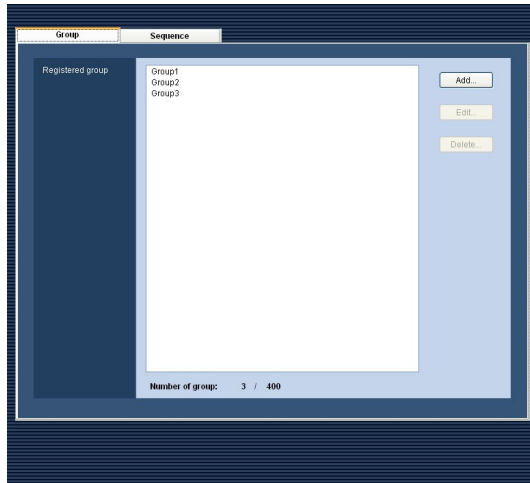
→ The "Group regist." window will be displayed.



Delete the group

Step 1

Display the "Group" page. (☞ page 54)



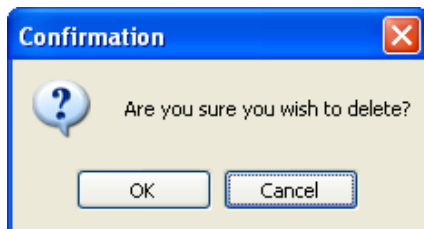
Step 2

Select the group to be deleted, and then click the [Delete...] button.

Step 3

Click the [Delete...] button.

→ The confirmation window will be displayed.



Step 4

Click the [OK] button.

Note:

When the group set as the default screen is deleted, "--" will be displayed for the setting of "Default screen" on the "Administrator setup" page, the "User regist." window and the "Live window" page. In this case, a black screen will be displayed in the image display area of the operation software.

Register a sequence [Sequence]

The registered groups can be registered in a sequence and it is possible to display images from cameras registered in the groups sequentially.

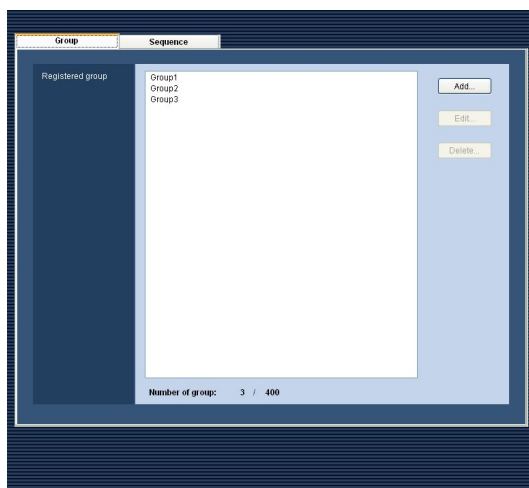
Up to 64 groups can be registered in a sequence.

Up to 10 sequences can be registered.

Register a sequence

Step 1

Click the [Camera] button.



The following are descriptions about each item displayed on the "Sequence" page.

■ Registered sequence

The registered sequences will be displayed in list form.

■ [Add...] button

The "Sequence regist." window will be displayed.

■ [Edit...] button

The "Sequence regist." window of the sequence selected from the list will be displayed.

■ [Delete...] button

The sequence selected from the list will be deleted.

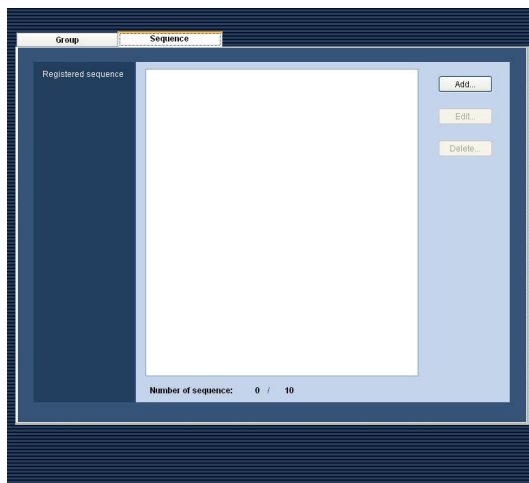
■ Number of sequence

Number of the registered sequences will be displayed.

Step 2

Click the [Sequence] tab.

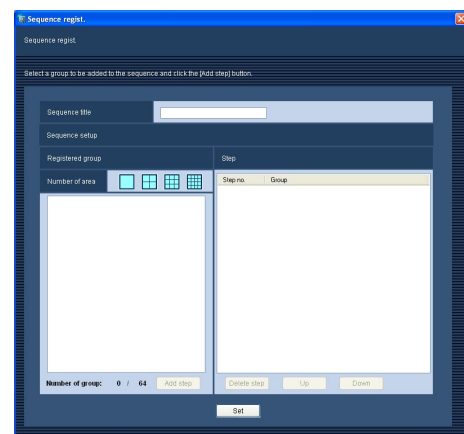
→ The "Sequence" page will be displayed.



Step 3

Click the [Add...] button.

→ The "Sequence regist." window will be displayed.



Note:

The [Add...] button will become unavailable when reached the maximum number of the sequence registration (10 sequences).

The following are descriptions about each item displayed on the "Sequence regist." window.

■ Sequence title

Enter the sequence title. When editing the title, enter up to 16 characters. The following characters are unavailable for the sequence title.

! \$ % ' < = > @ [\] ^ _ ` { | } ~

The sequence title already in use cannot be entered.

■ Registered group

The groups that can be registered in the sequence will be displayed in list form.

■ Number of area

Select the number of the cameras of the group to display the groups in the list below.

1-screen: The group whose screen pattern is 1-screen.

4-screen: The group whose screen pattern is 4-screen.

9-screen: The group whose screen pattern is 9-screen.

16-screen: The group whose screen pattern is 16-screen.

Default: 1-screen

■ Number of group

Number of the groups registered in the sequence will be displayed in list form.

■ [Add step] button

A group selected from "Registered group" can be added to "Step".

Notes:

- The group already registered in the sequence can be registered to the same sequence again as a different step.
 - The [Add step] button will become unavailable when reached the maximum number of the step addition (64 steps).
-

■ Step

Each step of the registered sequence will be displayed.

■ [Delete step] button

The selected group can be deleted from the sequence.

■ [Up] button

The selected group will move one step up.

■ [Down] button

The selected group will move one step down.

■ [Set] button

The edited setting will be saved and applied.

Step 4

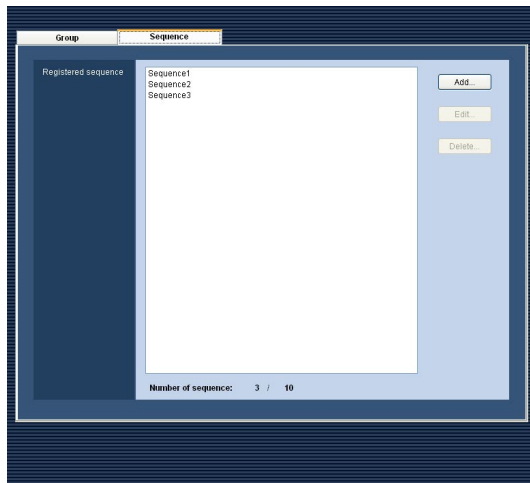
Click the [Set] button after editing the information.

→ The "Sequence regist." window will close and the settings will be saved and applied. The sequence will be displayed in the list of the registered sequence.

Edit the sequence

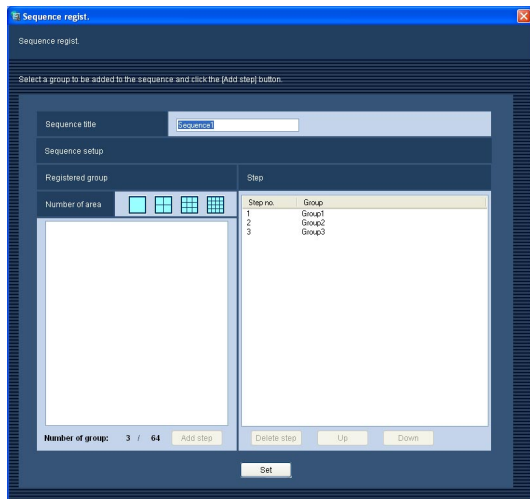
Step 1

Display the "Sequence" page. (☞ page 58)



Step 2

Select the sequence whose information is to be edited, and then click the [Edit...] button.
→ The "Sequence regist." window will be displayed.



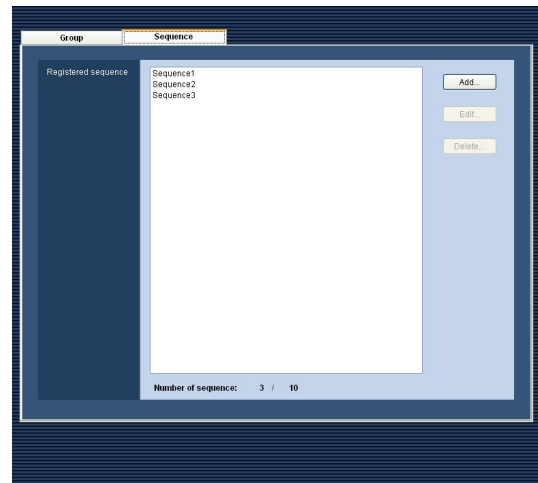
Step 3

Click the [Set] button after editing the information.
Refer to the "Register a sequence" section (☞ page 58) for further information.
→ The "Sequence regist." window will close and the settings will be saved and applied.

Delete the sequence

Step 1

Display the "Sequence" page. (☞ page 58)

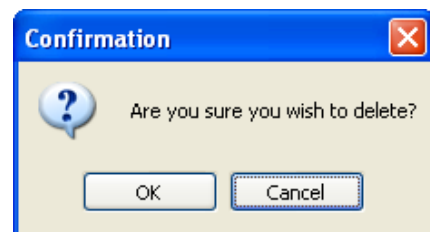


Step 2

Select the sequence to be deleted, and then click the [Delete...] button.

Step 3

Click the [Delete...] button.
→ The confirmation window will be displayed.



Step 4

Click the [OK] button.
→ The selected sequence will be deleted.

Note:

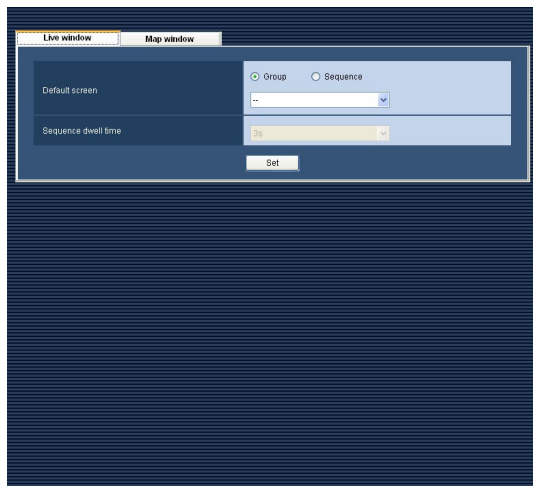
When the sequence set as the default screen is deleted, "--" will be displayed for the setting of "Default screen" on the "Administrator setup" page, the "User regist." window and the "Live window" page. In this case, a black screen will be displayed in the image display area of the operation software.

Settings relating to the window

The settings relating to the live window and the map window can be configured.

Use the live window [Live window]

Click the [Window] button, and then click the [Live window] tab to display the "Live window" page.



■ Default screen

Select "Group" or "Sequence" to determine how to display live images just after login.

Group: The group display will start to display live images just after login.

Sequence: The sequence display will start to display live images just after login.

Default: Group

<When "Group" is selected>

It is possible to select the group registered on the "Group regist." window.

When no group is registered, only "--" will be displayed in the drop-down list. In this case, a black screen will be displayed in the image display area of the live window.

Refer to the "Register a group [Group]" section (🔗 page 54) for how to register groups.

Default: --

<When "Sequence" is selected>

It is possible to select the sequence registered on the "Sequence regist." window. When no sequence is registered, only "--" will be displayed in the drop-down list. In this case, a black screen will be displayed in the image display area of the live window.

Refer to the "Register a sequence [Sequence]" section (🔗 page 58) for how to register sequences.

Default: --

■ Sequence dwell time

Select a sequence dwell time from the following. This setting can be set only when "Sequence" is selected for "Default screen".

3s/5s/10s/15s/20s/25s/30s/35s/40s/45s/50s/55s/1min

Default: 3s

■ [Set] button

The edited setting will be saved and applied.

Use the map window [Map window]

Register a map in advance to use the map window.

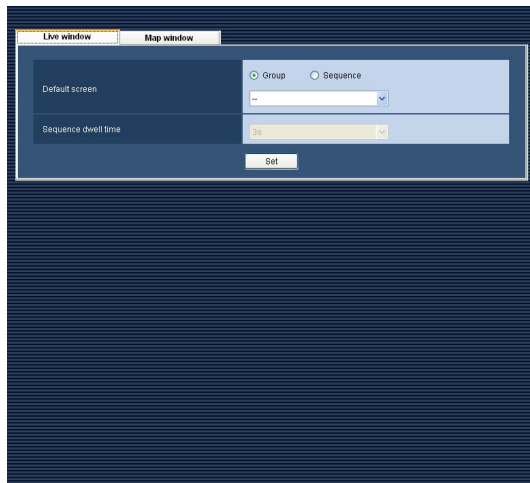
Up to 100 maps can be registered.

The following are descriptions of how to register/edit/delete the maps.

Register a map

Step 1

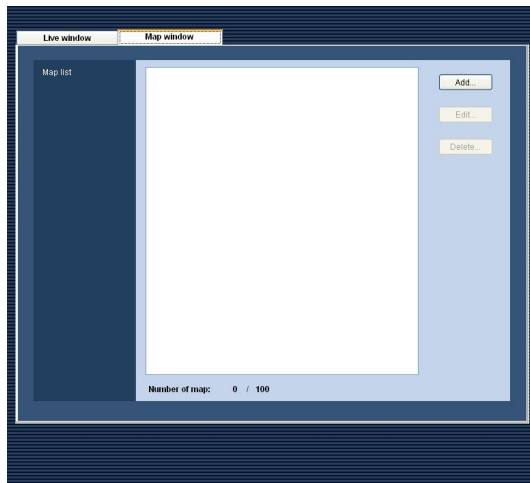
Click the [Window] button.



Step 2

Click the [Map window] tab.

→ The "Map window" page will be displayed.



The following are descriptions about each item displayed on the "Map window" page.

■ Map list

The registered maps will be displayed in list form.

■ Number of map

Number of the registered maps will be displayed.

■ [Add...] button

The "Map regist." window will be displayed.

■ [Edit...] button

The "Map regist." window of the map selected from the list will be displayed.

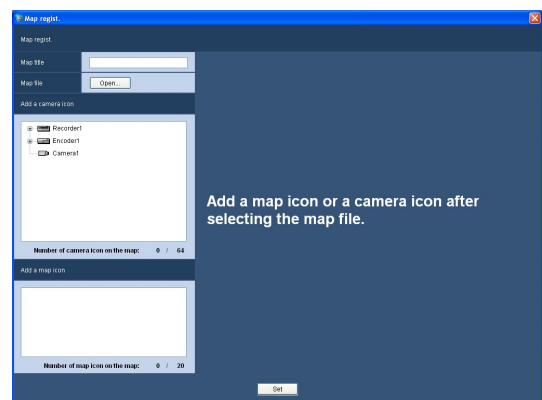
■ [Delete...] button

The map selected from the list will be deleted.

Step 3

Click the [Add...] button.

→ The "Map regist." window will be displayed.



Note:

The [Add...] button will become unavailable when reached the maximum number of the map registration (100 maps).

The following are descriptions about each item displayed on the "Map regist." window.

■ Map title

Enter the map title.

When editing the title, enter up to 16 characters.

The following characters are unavailable for the recorder title.

! \$ % ' < = > @ [\] ^ _ ` { | } ~

The map title already in use cannot be entered.

■ Map file

When the [Open...] button is clicked, the file selection window will be displayed to select the image file.

■ Add a camera icon

The registered devices will be displayed in the tree view.

■ Number of camera icon on the map

Number of the camera icons registered on the map will be displayed. Up to 64 camera icons can be registered.

■ Add a map icon

Number of the registered map icons will be displayed.

■ Number of map icon on the map

Number of the map icons registered on the map will be displayed. Up to 20 map icons can be registered.

■ Map display area

The image file will be displayed.

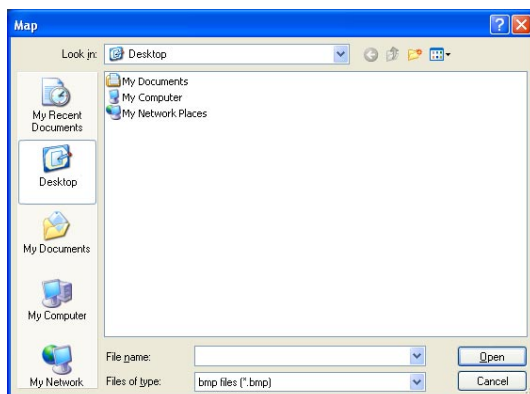
■ [Set] button

The edited settings will be saved and applied.

Step 4

Click the [Open...] button.

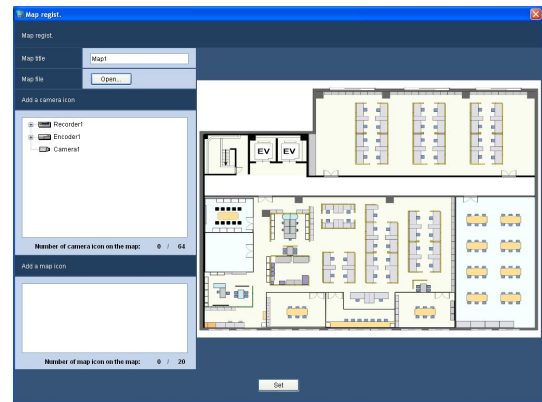
→ The file selection window will be displayed.



Step 5

Select the image file, and then click the [Open] button.

→ The selected image file will be displayed in the map display area.



Drag and drop the camera icon from "Add a camera icon" onto the map display area.

Drag and drop the map icon from "Add a map icon" onto the map display area.

Notes:

- When right-clicking on the camera icon, the pop-up menu will be displayed. The camera icon can be rotated to indicate the shooting direction of the camera on the map from the displayed pop-up menu. Refer to the "Rotate the camera icon" section (page 65) for further information.
- When 64 camera icons are already registered, it is impossible to drag and drop the camera icon onto the map display area.
- When 20 map icons are already registered, it is impossible to drag and drop the camera icon onto the map display area.

Step 6

Click the [Set] button after editing the settings.

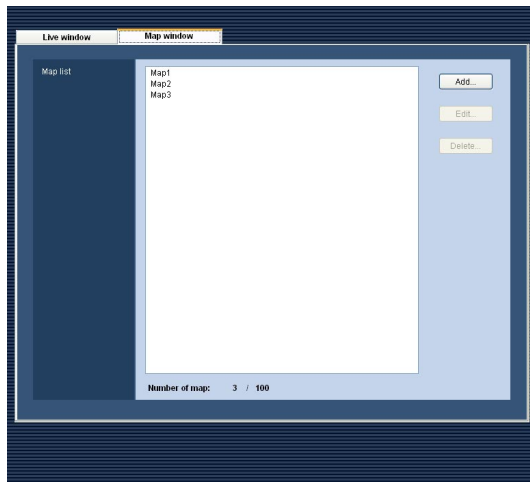
→ The "Map regist." window will close and the settings will be saved and applied.

The selected map will be displayed in the list of "Add a map icon".

Edit the map

Step 1

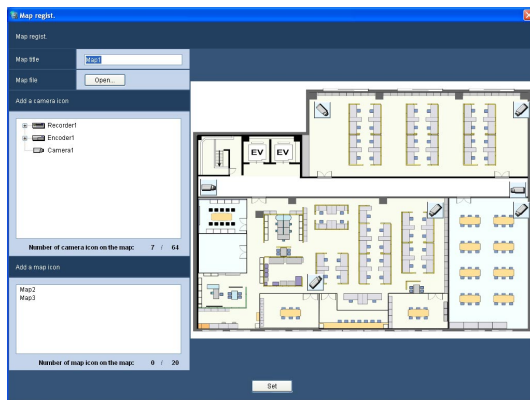
Display the "Map window" page. (☞ page 62)



Step 2

Select the map to be edited, and then click the [Edit...] button.

→ The "Map regist." window will be displayed.



Step 3

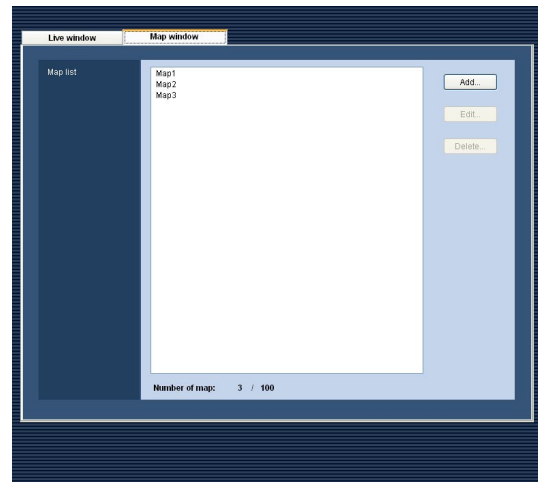
Click the [Set] button after editing the map information. Refer to the "Register a map" section (☞ page 62) for further information.

→ The "Map regist." window will close and the settings will be saved and applied.

Delete the map

Step 1

Display the "Map window" page. (☞ page 62)



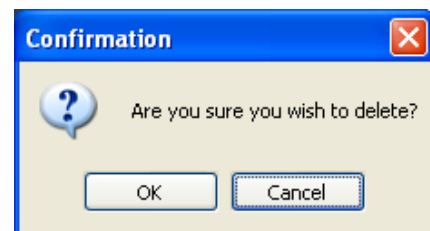
Step 2

Select the map to be deleted, and then click the [Delete...] button.

Step 3

Click the [Delete...] button.

→ The confirmation window will be displayed.



Step 4

Click the [OK] button to carry out the deletion.

→ The selected map will be deleted.

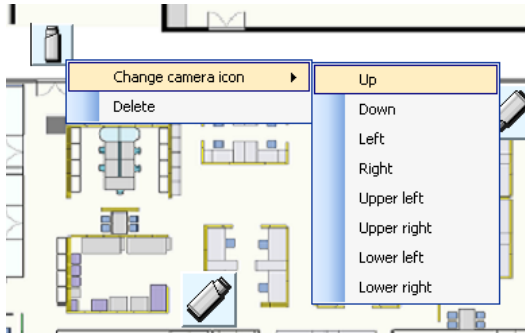
Important:

When the map icon of the map to be deleted is registered in the other map, the map icon on the other map will be deleted when the [OK] button is clicked.

Rotate the camera icon

When right-clicking on the camera icon, the pop-up menu will be displayed.

The registered camera icon can be rotated to indicate the shooting direction of the camera on the map, and the registered camera icon can also be deleted from the pop-up menu.



■ Change camera icon

The camera icon can be rotated by selecting the shooting direction from the following.

Up: The camera icon will be rotated to indicate that the shooting direction is upward.

Down: The camera icon will be rotated to indicate that the shooting direction is downward.

Left: The camera icon will be rotated to indicate that the shooting direction is leftward.

Right: The camera icon will be rotated to indicate that the shooting direction is rightward.

Upper left: The camera icon will be rotated to indicate that the shooting direction is upper leftward.

Upper right: The camera icon will be rotated to indicate that the shooting direction is upper rightward.

Lower left: The camera icon will be rotated to indicate that the shooting direction is lower leftward.

Lower right: The camera icon will be rotated to indicate that the shooting direction is lower rightward.

Note:

It is impossible to rotate the "PTZ camera" camera icon.

■ Delete

The selected camera icon will be deleted.

Settings relating to the event action

Configure the settings of the event action that is to be taken upon an alarm/error occurrence.

Refer to the "Settings for the event action upon an alarm occurrence [Alarm]" section below for further information about the alarm.

Refer to the "Settings for the event action upon an error occurrence [Error]" section (☞ page 68) for further information about the device error and the network error.

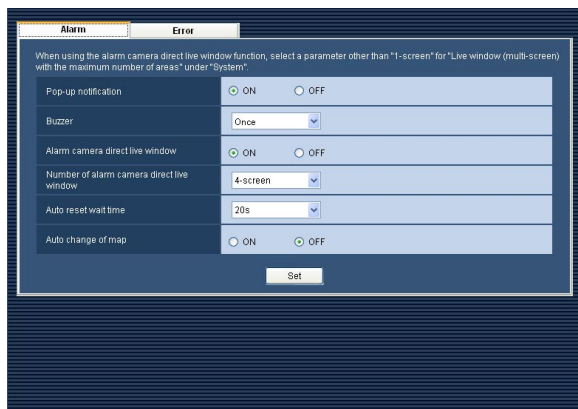
Settings for the event action upon an alarm occurrence [Alarm]

When an alarm occurred, the event action will be taken. There are 3 event actions; displaying a message, sounding the buzzer and displaying live images from the camera in which the alarm occurred.

Note:

It is necessary to configure the settings on the "Panasonic Alarm" page to receive alarm notifications from the device. Refer to the "Settings relating to the alarm notification from the device using Panasonic alarm protocol [Panasonic Alarm]" section (☞ page 70) for further information.

Click the [Event] button, and then click the [Alarm] tab to display the "Alarm" page.



■ Pop-up notification

Determine whether to display the alarm notification window at an alarm occurrence or not.

ON: The alarm notification window will be displayed at an alarm occurrence.

OFF: The alarm notification window will not be displayed at an alarm occurrence.

Default: ON

■ Buzzer

Determine whether to sound the buzzer at an alarm occurrence or not.

OFF: The buzzer will not sound at an alarm occurrence.

Once: The buzzer will sound once.

Succession: The buzzer will sound successively.

Default: Once

Note:

Buzzer sounding duration cannot be specified.

■ Alarm camera direct live window

Determine whether to automatically display live images from the camera in which an alarm occurred on the live window or not.

ON: Live images from the camera in which an alarm occurred will automatically be displayed on the live window at an alarm occurrence.

OFF: Images currently being displayed on the live window will not be switched to images from the camera in which an alarm occurred at an alarm occurrence.

Default: ON

Note:

When selecting "ON" for "Alarm camera direct live window", set "Live window (multi-screen) with the maximum number of areas" to other than "--". Refer to the "Settings relating to the system" section (page 20) for further information.

■ Number of alarm camera direct live window

Select the screen pattern used to display images from the camera in which an alarm occurred when "ON" is selected for "Alarm camera direct live window".

This setting is available only when "ON" is selected for "Alarm camera direct live window".

1-screen: Display live images from the camera in which an alarm occurred on a 1-screen

4-screen: Display live images from the camera in which an alarm occurred on a 4-screen

9-screen: Display live images from the camera in which an alarm occurred on a 9-screen

16-screen: Display live images from the camera in which an alarm occurred on a 16-screen

Default: 4-screen

■ Auto reset wait time

Select the wait time to reset the alarm and return to the previously displayed images before switching to live images from the camera in which an alarm occurred.

This setting is available only when "ON" is selected for "Alarm camera direct live window".

OFF/10s/20s/30s/1min/5min

Default: 20s

Note:

When "OFF" is selected, the alarm will not automatically be reset.

Refer to the operating instructions (PDF) for how to reset the alarm.

■ Auto change of map

Determine whether to change the display to the map on which the camera at an alarm occurrence is registered or not.

ON: Display will automatically be changed to the map.

OFF: Display will not automatically be changed to the map.

Default: OFF

Note:

Even when "ON" is selected, the display will not be changed to the map if two or more alarms occur successively within 1 second.

■ [Set] button

The edited settings will be saved and applied.

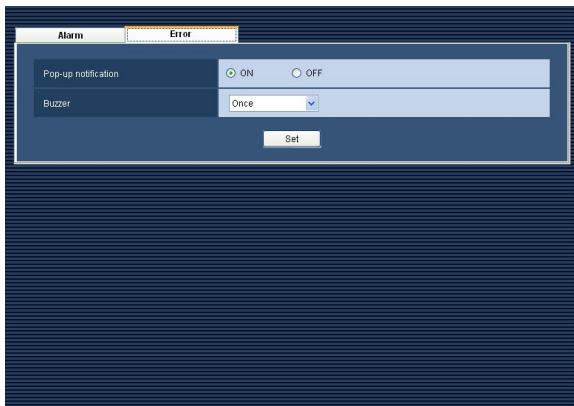
Settings for the event action upon an error occurrence [Error]

Configure the settings of the event action that is to be taken upon a recorder error/network error occurrence. There are 2 event actions; displaying a message and sounding the buzzer.

Note:

It is necessary to configure the "Panasonic alarm" setting to receive error notifications from the device. Refer to the "Settings relating to the communication" section (📖 page 69) for further information.

Click the [Event] button, and then click the [Error] tab to display the "Error" page.



■ Pop-up notification

Determine whether to display the error notification window at an error occurrence or not.

ON: The error notification window will be displayed at an error occurrence.

OFF: The error notification window will not be displayed at an error occurrence.

Default: ON

■ Buzzer

Determine whether to sound the buzzer at an error occurrence or not.

OFF: The buzzer will not sound at an alarm occurrence.

Once: The buzzer will sound once.

Succession: The buzzer will sound successively.

Default: Once

Note:

Buzzer sounding duration cannot be specified.

■ [Set] button

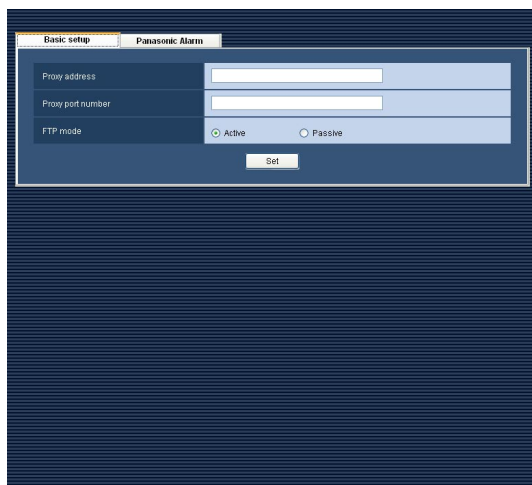
The edited settings will be saved and applied.

Settings relating to the communication

Configure the settings relating to the communication required to use this software.

Network settings [Basic setup]

Click the [Comm] button, and then click the [Basic setup] tab to display the "Basic setup" page. Configure the settings of "Proxy address", "Proxy port number" and "FTP mode".



■ Proxy address

Enter the IP address of the proxy server.
Enter up to 255 alphanumeric characters.

■ Proxy port number

Enter the port number of the proxy server.
Enter a number from 1 to 65535.

■ FTP mode

Select "Active" or "Passive" for the FTP mode.

Default: Active

■ [Set] button

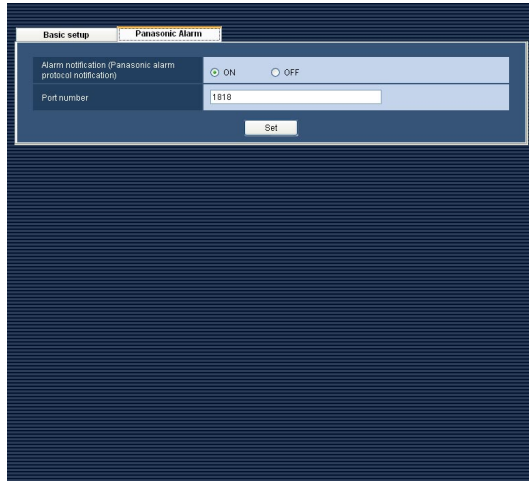
The edited settings will be saved and applied.

Notes:

- The edited network settings will not be correctly configured even when "ON" is selected for "Proxy server" if no value is entered for "Proxy address" and "Proxy port number".
 - When using the proxy server, use an HTTP proxy server. Download function via an HTTP proxy server is available though this software normally uses the FTP function of the recorder.
-

Settings relating to the alarm notification from the device using Panasonic alarm protocol [Panasonic Alarm]

Click the [Comm] button, and then click the [Panasonic Alarm] tab to display the "Panasonic Alarm" page. Configure the settings of "Alarm notification (Panasonic alarm protocol notification)" and "Port number".



■ Alarm notification (Panasonic alarm protocol notification)

Determine whether to receive an alarm/error notification from the device or not.

ON: An alarm/error notification from the device will be received.

OFF: An alarm/error notification from the device will not be received.

Default: ON

■ Port number

Enter the port number used to receive Panasonic alarm protocol.

Enter a number from 1 to 65535.

Default: 1818

Important:

It is necessary to make the selected port number available when "Windows Firewall" of Windows XP is on. Refer to the "Exceptional settings of Windows Firewall" section (page 93) for how to make the selected port number available.

■ [Set] button

The edited settings will be saved and applied.

Settings relating to the controller

When a camera, a group, and a sequence are selected from the system controller, assignment of a number to the camera, group, and sequence to be used is required before their selections.

Camera number setting [Camera number]

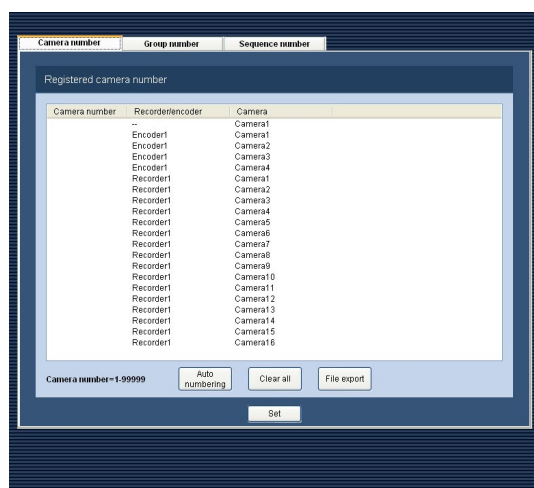
Assign camera numbers to the registered camera names.

Manual assignment

Step 1

Click the [Controller] button.

→ The "Camera number" page will be displayed.



The following are descriptions about each item displayed on the "Camera number" page.

■ [Auto numbering] button

Camera numbers will automatically be assigned in order of the displayed list.

■ [Clear all] button

All the camera numbers displayed on the list will be cleared.

■ [File export] button

The displayed list will be saved as a file in CSV format.

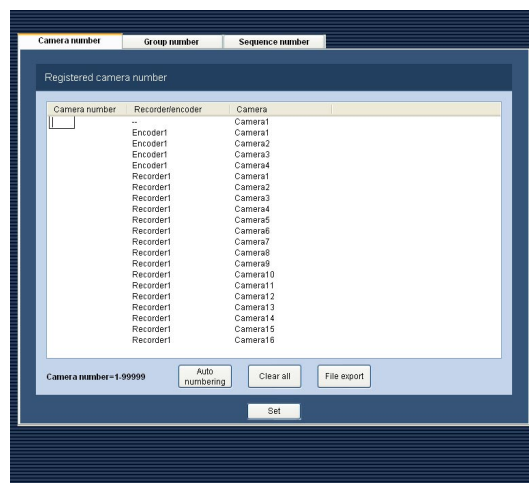
■ [Set] button

The edited settings will be saved and applied.

Step 2

Click the desired camera title, and then click the camera number column respective to the clicked camera title.

→ The clicked column will become editable.



Step 3

Enter the desired camera number.
1-99999 are available.

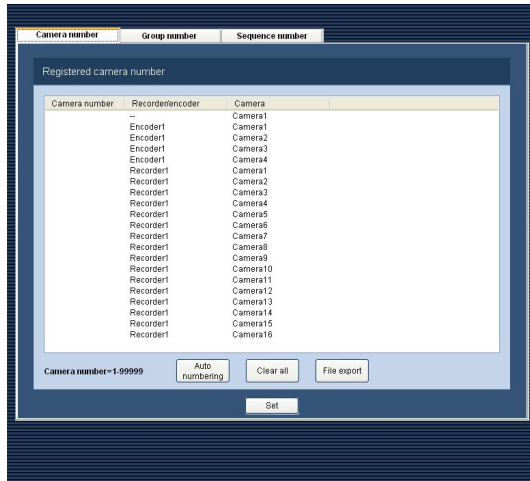
Step 4

Click the [Set] button.

Auto numbering

Step 1

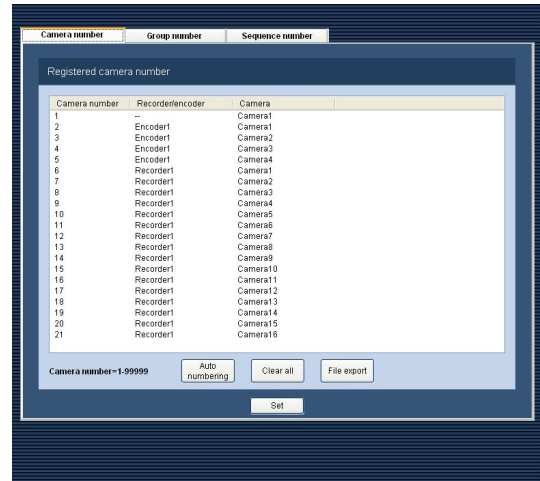
Display the "Camera number" page. (☞ page 71)



Export the camera number list as a file

Step 1

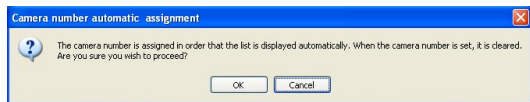
Display the "Camera number" page. (☞ page 71)



Step 2

Click the [Auto numbering] button.

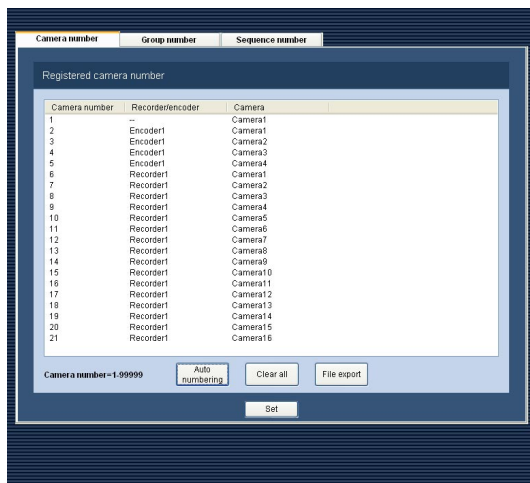
→ The confirmation window will be displayed.



Step 3

Click the [OK] button.

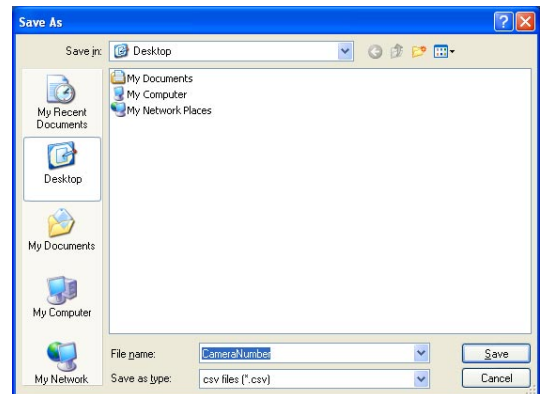
→ Camera numbers will automatically be assigned in order of the displayed list.



Step 2

Click the [File export] button.

→ The "Save As" window will be displayed.



Step 3

Click the [Save] button after designating the destination folder.

→ The camera number list will be saved as a file.

Step 4

Click the [Set] button.

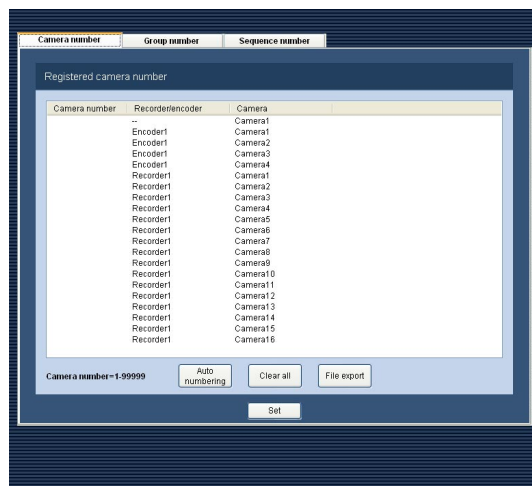
Group number setting [Group number]

Assign group numbers to the registered group names.

Manual assignment

Step 1

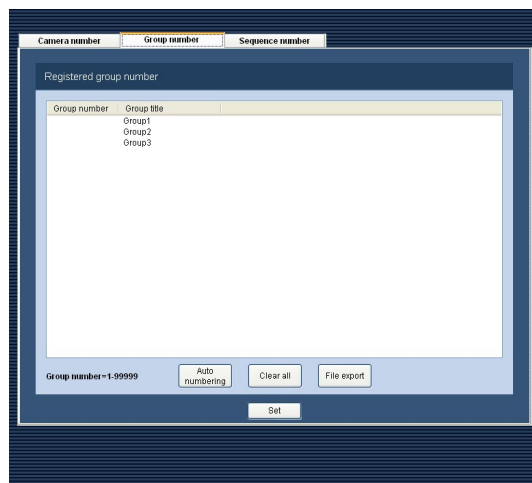
Click the [Controller] button.



Step 2

Click the [Group number] tab.

→ The "Group number" page will be displayed.



The following are descriptions about each item displayed on the "Group number" page.

■ [Auto numbering] button

Group numbers will automatically be assigned in order of the displayed list.

■ [Clear all] button

All the group numbers displayed on the list will be cleared.

■ [File export] button

The displayed list will be saved as a file in CSV format.

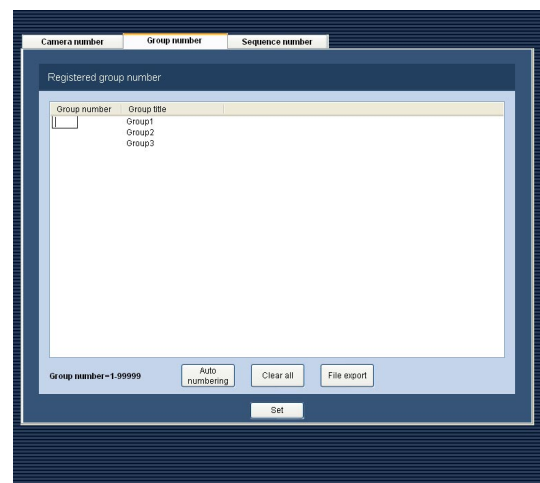
■ [Set] button

The edited settings will be saved and applied.

Step 3

Click the desired group title, and then click the group number column respective to the clicked group title.

→ The clicked column will become editable.



Step 4

Enter the desired group number.
1-99999 are available.

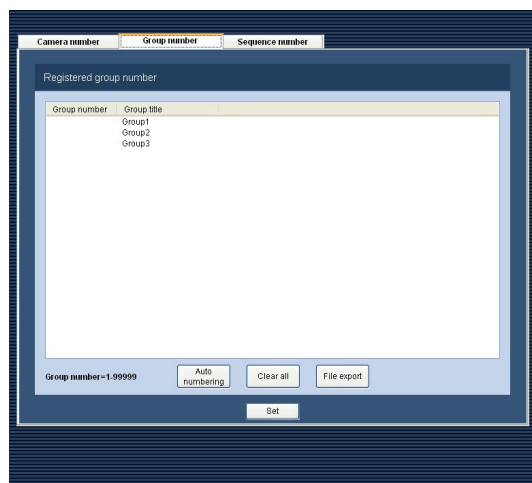
Step 5

Click the [Set] button.

Auto numbering

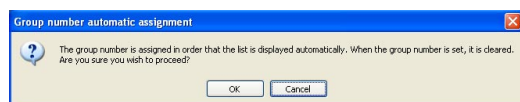
Step 1

Display the "Group number" page. (☞ page 73)



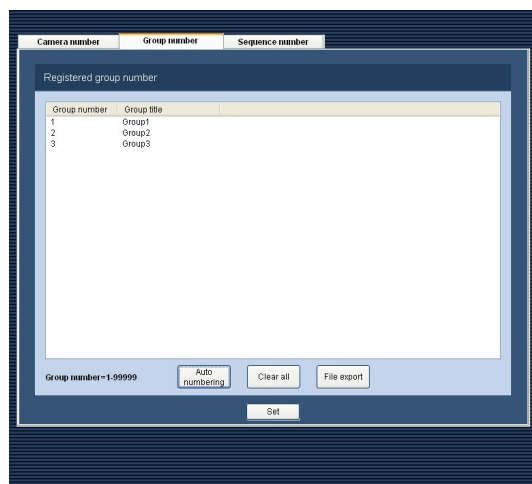
Step 2

Click the [Auto numbering] button.
→ The confirmation window will be displayed.



Step 3

Click the [OK] button.
→ Group numbers will automatically be assigned in order of the displayed list.



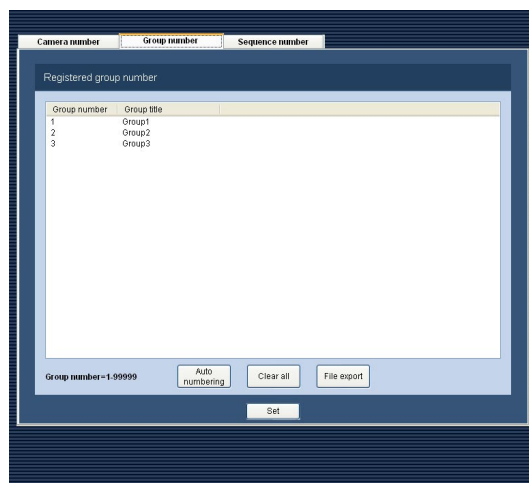
Step 4

Click the [Set] button.

Export the group number list as a file

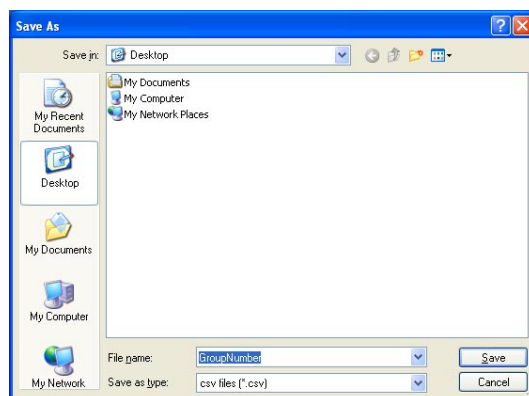
Step 1

Display the "Group number" page. (☞ page 73)



Step 2

Click the [File export] button.
→ The "Save As" window will be displayed.



Step 3

Click the [Save] button after designating the destination folder.
→ The group number list will be saved as a file.

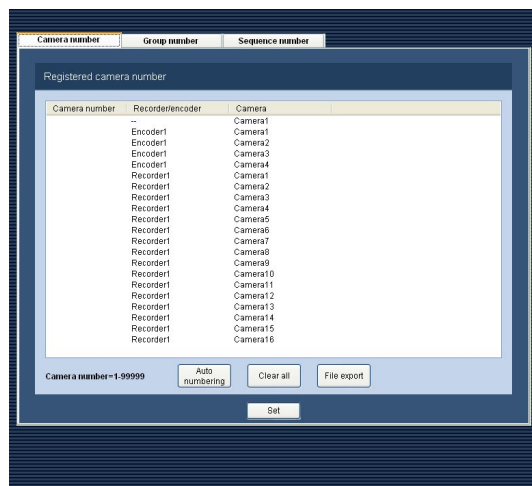
Sequence number setting [Sequence number]

Assign sequence numbers to the registered sequence names.

Manual assignment

Step 1

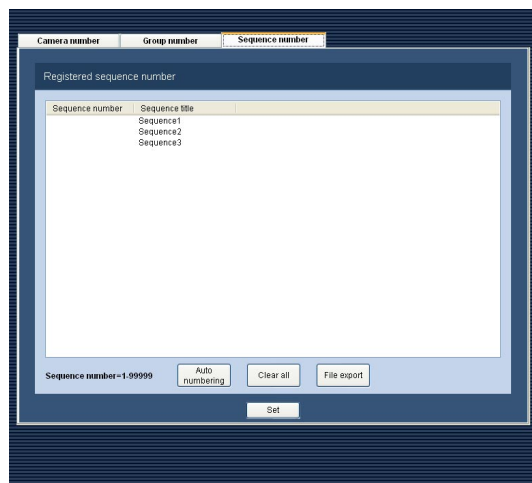
Click the [Controller] button.



Step 2

Click the [Sequence number] tab.

→ The "Sequence number" page will be displayed.



The following are descriptions about each item displayed on the "Sequence number" page.

■ [Auto numbering] button

Sequence numbers will automatically be assigned in order of the displayed list.

■ [Clear all] button

All the sequence numbers displayed on the list will be cleared.

■ [File export] button

The displayed list will be saved as a file in CSV format.

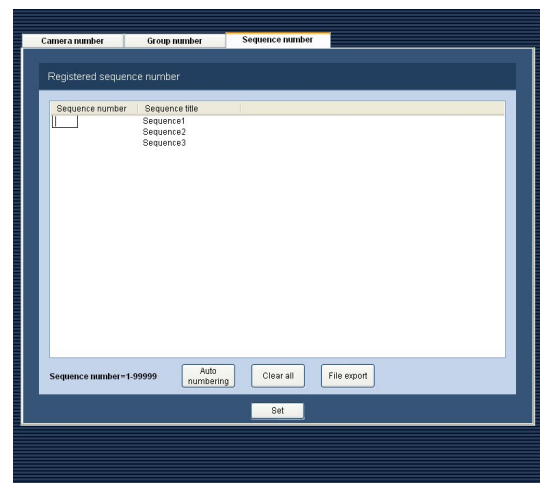
■ [Set] button

The edited settings will be saved and applied.

Step 3

Click the desired sequence title, and then click the sequence number column respective to the clicked sequence title.

→ The clicked column will become editable.



Step 4

Enter the desired sequence number.
1-99999 are available.

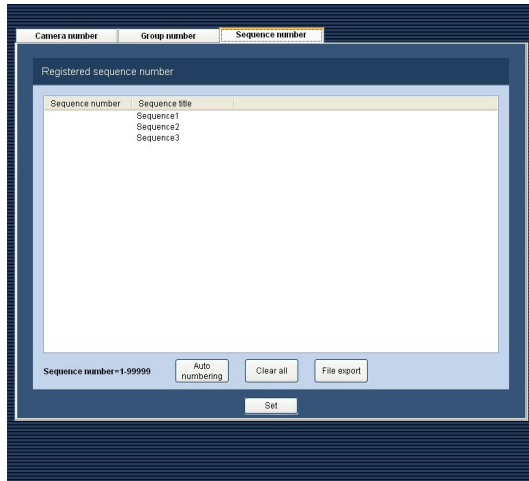
Step 5

Click the [Set] button.

Auto numbering

Step 1

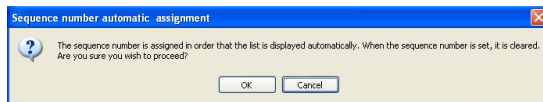
Display the "Sequence number" page. (☞ page 75)



Step 2

Click the [Auto numbering] button.

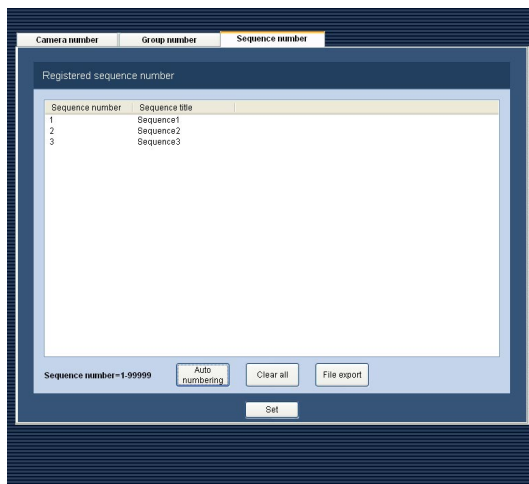
→ The confirmation window will be displayed.



Step 3

Click the [OK] button.

→ Sequence numbers will automatically be assigned in order of the displayed list.



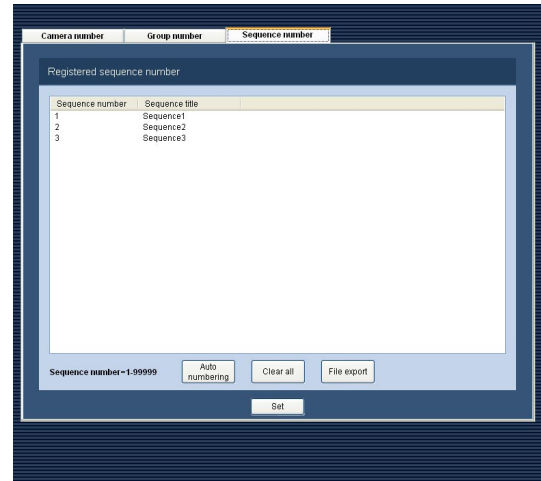
Step 4

Click the [Set] button.

Export the Sequence number list as a file

Step 1

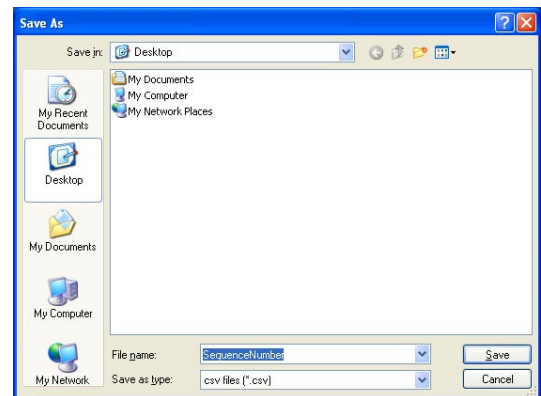
Display the "Sequence number" page. (☞ page 75)



Step 2

Click the [File export] button.

→ The "Save As" window will be displayed.



Step 3

Click the [Save] button after designating the destination folder.

→ The sequence number list will be saved as a file.

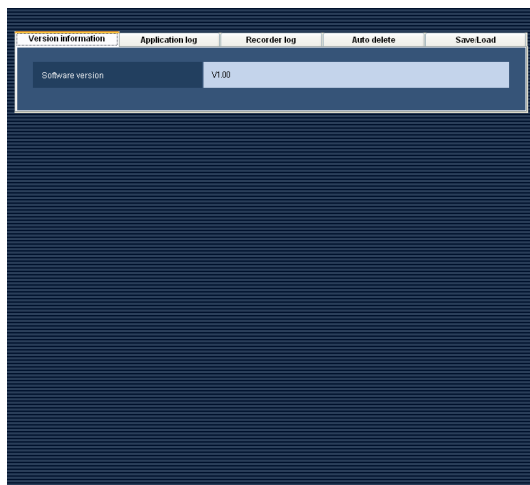
Settings relating to the maintenance

The following can be performed on the "Maintenance" page.

- Display the version of this software
- Display/save the application log
- Download/display the recorder log
- Auto deletion of logs and set the retention period of logs
- Save/load the setup file of the setup software

Display the version of this software [Version information]

Click the [Maintenance] button, and then click the [Version information] tab to display the "Version information" page.



■ Software version

Version of this software will be displayed.

Display/save the application log [Application log]

It is possible to search the logs filed in this software and display/save them. The displayed contents will vary depending on the selected log type. Refer to the "Descriptions of the application log list" section (page 81) for further information about the contents of the logs. The logs filed in this software and their contents are as follows.

Alarm log:	A log that contains alarm information transmitted from the device using Panasonic alarm protocol
Device error log:	A log that contains device error information transmitted from the device using Panasonic alarm protocol
Network error log:	A log that contains information of a network error that occurred between this software and the device
System log:	A log that contains system information of this software
Operation log:	A log that contains operation history of this software

Note:

The application logs will be kept on being filed until reaching their maximum number of logs that can be stored. After reaching the maximum number, the older logs will be overwritten in order. Refer to the "Descriptions of the application log list" section (page 81) for the maximum number of the logs that can be stored.

Display the application logs

To display logs of each type, select the log type from the drop-down list.

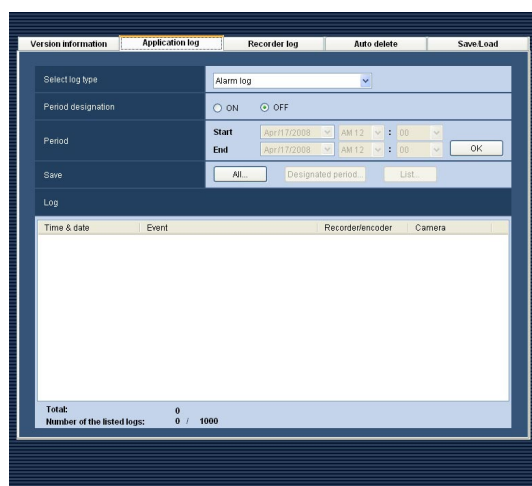
Step 1

Click the [Maintenance] button.

Step 2

Click the [Application log] tab.

→ The "Application log" page will be displayed.



The following are descriptions about each item displayed on the "Application log" page.

■ Select log type

Select the log type from the following.

Alarm log/Device error log/Network error log/
System log/Operation log

■ Period designation

Determine whether to designate a period when logs have been filed.

ON: Logs filed in the designated period will be displayed.

OFF: All filed logs will be displayed.

Default: OFF

■ Start

Select the start time of a period.

■ End

Select the end time of a period.

■ [OK] button

Logs filed in the designated period will be displayed in the log list display area.

■ [All...] button

All logs of the selected log type will be saved as a file in the CSV format.

■ [Designated period...] button

Logs of the selected log type that filed only in the designated period will be saved as a file in the CSV format.

■ [List...] button

The logs displayed in the log list display area will be saved as a file in the CSV format.

■ Log

Descriptions of the log will be displayed.

Up to 1 000 logs can be displayed.

Note:

Descriptions of the listed logs differ depending on the log type. Refer to the "Descriptions of the application log list" section (page 81) for further information.

■ Total

Total number of the logs filed in the designated period will be displayed.

■ Number of the listed logs

Number of the logs currently displayed in the log list display area.

Step 3

Click the [OK] button after designating a period.

→ Logs filed in the designated period will be displayed in the log list display area.

Version information Application log Recorder log Auto delete Save/Load

Select log type: Alarm log

Period designation: ☐ ON ☒ OFF

Period: Start: April 17, 2008 AM 12:00 End: April 17, 2008 AM 12:00 OK

Save: All... Designated period... List...

Log

Time & date	Event	RecorderID	Camera
Mar/26/2008 *05:42:21 ...	COMMAND ALARM 1ch	Recorder1	Camera1
Mar/26/2008 *05:42:11 ...	COMMAND ALARM 16ch	Recorder1	Camera16
Mar/26/2008 *05:42:06 ...	COMMAND ALARM 15ch	Recorder1	Camera15
Mar/26/2008 *05:42:02 ...	COMMAND ALARM 14ch	Recorder1	Camera14
Mar/26/2008 *05:41:58 ...	COMMAND ALARM 13ch	Recorder1	Camera13
Mar/26/2008 *05:41:53 ...	COMMAND ALARM 12ch	Recorder1	Camera12
Mar/26/2008 *05:41:49 ...	COMMAND ALARM 11ch	Recorder1	Camera11
Mar/26/2008 *05:41:45 ...	COMMAND ALARM 10ch	Recorder1	Camera10
Mar/26/2008 *05:41:40 ...	COMMAND ALARM 9ch	Recorder1	Camera9
Mar/26/2008 *05:41:36 ...	COMMAND ALARM 8ch	Recorder1	Camera8
Mar/26/2008 *05:41:32 ...	COMMAND ALARM 7ch	Recorder1	Camera7
Mar/26/2008 *05:41:28 ...	COMMAND ALARM 6ch	Recorder1	Camera6
Mar/26/2008 *05:41:24 ...	COMMAND ALARM 5ch	Recorder1	Camera5
Mar/26/2008 *05:41:21 ...	COMMAND ALARM 4ch	Recorder1	Camera4
Mar/26/2008 *05:41:18 ...	COMMAND ALARM 3ch	Recorder1	Camera3

Total: 17
Number of the listed logs: 17 / 1000

Save the application logs

The logs displayed in the result list display area can be saved in a designated folder as a file in the CSV format. Logs to be saved as a file differ depending on the clicked button as follows.

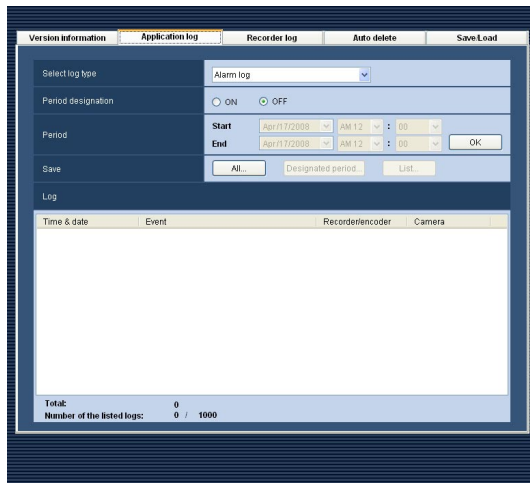
[All...] button: All the listed logs will be saved as a file.

[Designated period...] button: Logs filed in the designated period will be saved as a file.

[List...] button: Only the logs displayed in the log list display area will be saved as a file.

Step 1

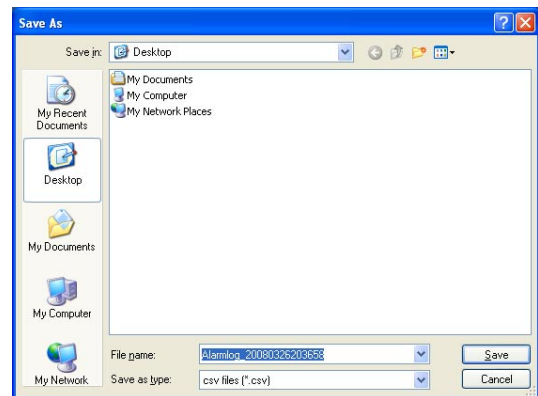
Display the "Application log" page.



Step 3

Click the desired button ([All...] button/[Designated period...] button/[Listed...] button) according to the logs to be saved.

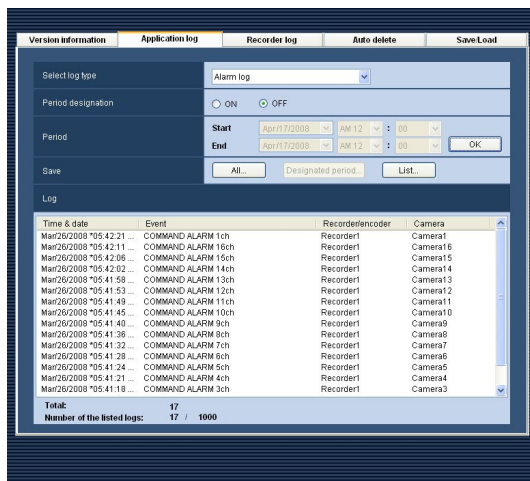
→ The "Save As" window will be displayed.



Step 2

Click the [OK] button after designating a period. Refer to the "Display the application logs" section (page 78) for further information.

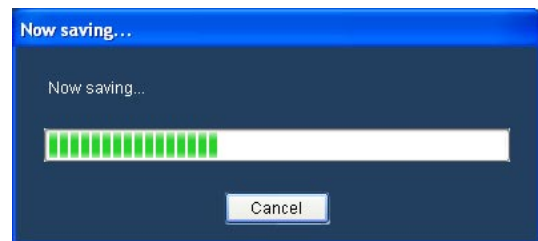
→ Logs filed in the designated period will be displayed in the log list display area.



Step 4

Click the [Save] button after designating the destination folder.

→ The saving status window will be displayed.



The saving status window will automatically close and the "Application log" page will be displayed when the saving of the file is completed.

Note:

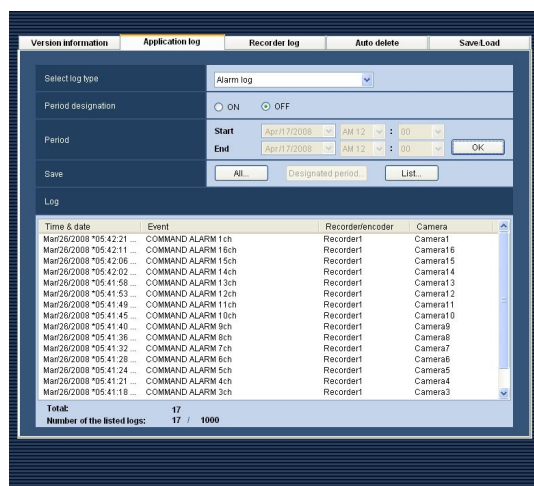
When the number of logs to be saved as a file is more than 10 000, the file to be saved will automatically be divided into a several files.

Descriptions of the application log list

Alarm log

The alarm log will be filed each time an alarm occurred.

Up to 30 000 alarm logs can be stored.



■ Time & date

Time and date of the alarm occurrence will be displayed. The time and date will be followed by an asterisk "*" when the daylight saving time is applied.

■ Event

Descriptions of the alarm will be displayed.

■ Recorder/encoder

The title of the device in which the alarm occurred will be displayed.

Note:

When an alarm occurred in a camera that is not registered in the recorder, "--" will be displayed.

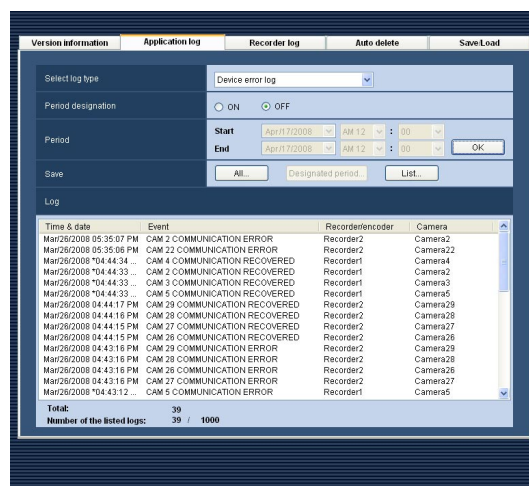
■ Camera

The title of the camera in which the alarm occurred will be displayed.

Device error log

The device error log will be filed each time an error occurred in the device.

Up to 1 000 recorder error logs can be stored.



■ Time & date

Time and date of the error occurrence will be displayed. The time and date will be followed by an asterisk "*" when the daylight saving time is applied.

■ Event

Descriptions of the error occurred in the device will be displayed.

■ Recorder/encoder

The title of the device in which the error occurred will be displayed.

Note:

When a device error occurred in a camera is not registered in the recorder, "--" will be displayed.

■ Camera

The title of the camera in which the error occurred will be displayed.

Network error log

The network error log will be filed each time a network error occurred. Up to 1 000 network error logs can be stored.

Time & date	Event	Recorder/encoder	Camera
Mar/26/2008 05:38:11 PM	Controller communication error.	--	--
Mar/26/2008 04:27:48 PM	Login succeeded.	Recorder1	--
Mar/26/2008 04:27:18 PM	Currently saving setup data.	Recorder1	--
Mar/26/2008 04:27:18 PM	Login error.	Recorder1	--
Mar/26/2008 04:24:57 PM	Recorder communication recovered.	Recorder3	--
Mar/26/2008 04:23:46 PM	Recorder communication error.	Recorder3	--
Mar/26/2008 03:40:30 PM	Recorder communication recovered.	Recorder1	--
Mar/26/2008 03:31:22 PM	Recorder communication error.	Recorder1	--
Mar/26/2008 03:26:14 PM	Login error.	Recorder1	--

■ Event

Descriptions of the network error will be displayed.

■ Recorder/encoder

The title of the device in which the network error occurred will be displayed.

Note:

When a network error occurred in a camera that is not registered in the recorder, "--" will be displayed.

■ Camera

The title of the camera in which the network error occurred will be displayed.

■ Time & date

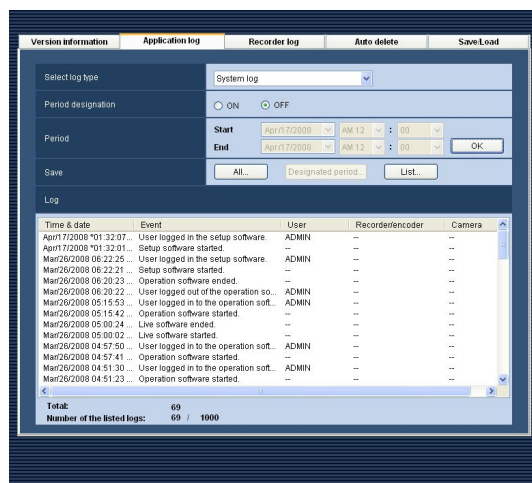
Time and date of the network error occurrence will be displayed. The time and date will be followed by an asterisk "*" when the daylight saving time is applied.

The following are the network error logs to be filed.

Log	Description
Recorder communication recovered.	Filed when the connection to the recorder was recovered.
Recorder communication error.	Filed when failed to connect to the recorder.
Undefined reply. (from the recorder)	Filed when received an undefined reply from the recorder.
Recorder user authentication error.	Filed when failed to authenticate the user to connect to the recorder.
Maximum concurrent access.	Filed when failed to connect to the recorder due to the concurrent access limit.
Host authentication error.	Filed when failed to authenticate the host to connect to the recorder.
Encoder communication recovered.	Filed when the communication with the encoder recovered.
Encoder communication error	Filed when failed to connect to the encoder.
Camera communication recovered.	Filed when the connection to the camera was recovered.
Camera communication error.	Filed when failed to connect to the camera.
Undefined reply. (from the camera)	Filed when received an undefined reply from the camera or the encoder.
Camera authentication error.	Filed when failed to authenticate the user to connect to the camera or the encoder.
Port number duplication.	Filed when port numbers are redundant. When a port number is manually assigned to each camera in the unicast mode, use caution not to assign the same number to different cameras.

System log

The system log will be filed each time the status of the system changed. Up to 1 000 system logs can be stored and up to 1 000 system logs can be displayed.



■ Time & date

Time and date when the status of the system changed will be displayed. The time and date will be followed by an asterisk "*" when the daylight saving time is applied.

■ Event

Descriptions of the status will be displayed.

■ User

The name of the user who operated this software will be displayed.

■ Recorder/encoder

The title of the device which has been operated by the user will be displayed.

Note:

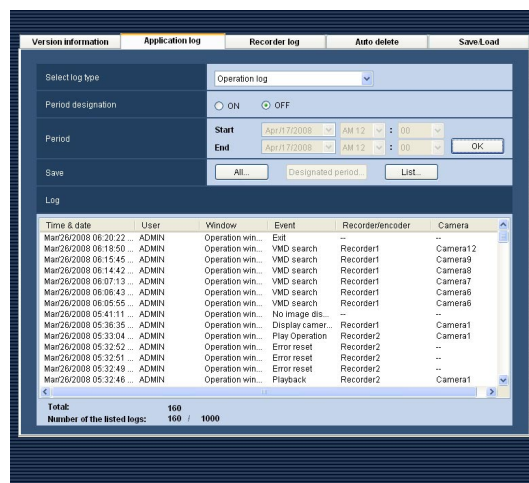
When the device in operation is a camera that is not registered in the recorder, "--" will be displayed.

■ Camera

The title of the camera which has been operated by the user will be displayed.

Operation log

The application log will be filed each time a user operates this software. Up to 100 000 application logs can be stored and up to 1 000 application logs can be displayed.



■ Time & date

Time and date when a user operated this software will be displayed. The time and date will be followed by an asterisk "*" when the daylight saving time is applied.

■ User

The name of the user who operated this software will be displayed.

■ Window

The window type of this software that the user operated will be displayed.

■ Event

Descriptions of the operation will be displayed.

■ Recorder/encoder

The title of the device which has been operated by the user will be displayed.

Note:

When the device in operation is a camera that is not registered in the recorder, "--" will be displayed.

■ Camera

The title of the camera which has been operated by the user will be displayed.

The following are the system logs to be filed.

Log	Description
Operation software started.	Filed when the operation software was started.
Operation software ended.	Filed when the operation software was closed.
User logged in to the operation software.	Filed when a user logged in the operation software.
User logged out of the operation software.	Filed when a user logged out of the operation software.
Received a Panasonic alarm protocol from an unknown model.	Filed when received Panasonic alarm protocol from an unknown model.
Received a Panasonic alarm protocol from an unknown device.	Filed when received Panasonic alarm protocol from an unknown device.
An error occurred on Panasonic alarm protocol reception.	Filed when an error occurred in the reception of Panasonic alarm protocol.
An error occurred on Panasonic alarm protocol processing.	Filed when failed to implement the Panasonic alarm protocol received from the device.
Failed to delete the operation log file.	Filed when failed to delete the operation logs automatically.
An unexpected error has occurred. The operation software has been restarted to continue monitoring.	Filed when an unexpected error occurred and the operation software was restarted.
Live software started.	Filed when the live window was started.
Live software ended.	Filed when the live window was closed.
Operation software user login error.	Filed when a user failed to log in the software due to the failure to read the user information.
An unexpected error has occurred. The setup software has been restarted to continue monitoring.	Filed when an unexpected error occurred and the setup software was restarted.
Setup software user login error.	Filed when failed to read out the user information and login to the setup software failed.
An unexpected error has occurred. The live software has been restarted to continue monitoring.	Filed when an unexpected error occurred and the live software was restarted.
A Panasonic alarm protocol reception start error.	Filed when an error occurred at the start of the reception of Panasonic alarm protocol.
Received an illegal Panasonic alarm protocol. (Unknown category ID)	Filed when the category of Panasonic alarm protocol is illegal.
Received an illegal Panasonic alarm protocol. (Unknown message ID)	Filed when the message ID of Panasonic alarm protocol is illegal.
Setup software started.	Filed when the setup software was started.
Setup software ended.	Filed when the setup software was closed.
User logged in the setup software.	Filed when a user logged in the setup software.

Display/save the recorder log [Recorder log]

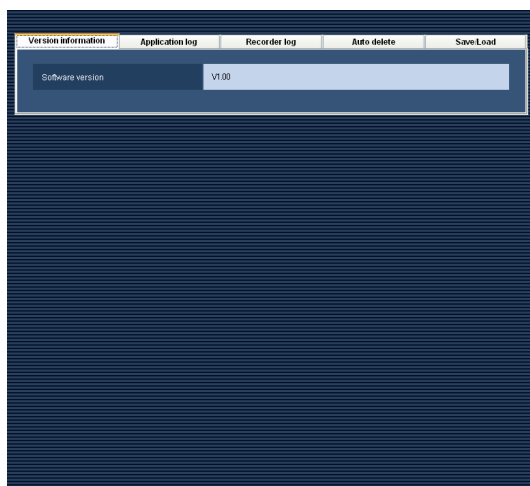
It is possible to download the recorder logs filed in each recorder and display/save them.
The logs downloaded from the recorder and their contents are as follows.

Error log: A log that contains error history of the recorder.
Access log: A log that contains access history of the recorder.
Event log: A log that contains history of event occurrences in the recorder.
Network log: A log that contains network error history of the recorder.

Download the recorder log

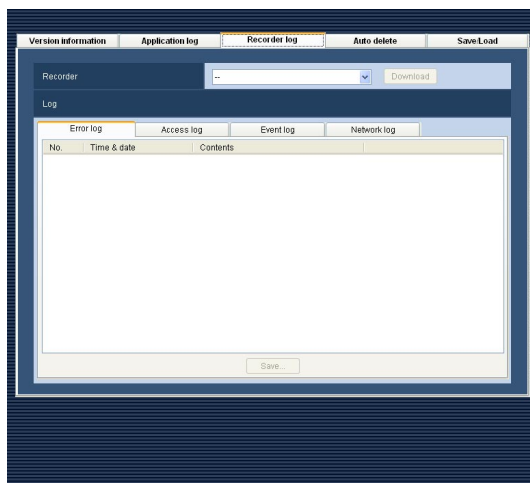
Step 1

Click the [Maintenance] button.



Step 2

Click the [Recorder log] tab.
→ The "Recorder log" page will be displayed.



The following are descriptions about each item displayed on the "Recorder log" page.

■ Recorder

Select the recorder from which the recorder log is to be downloaded.

■ [Download] button

The recorder log filed in the selected recorder will be downloaded.

■ Log

Descriptions of the log will be displayed. "No.", "Time & date" and "Contents" will be displayed for every log.

Notes:

- "Protocol" will also be displayed for "Network log".
- When displaying "Event log", "Event" will be displayed instead of "Contents".

■ [Error log]/[Access log]/[Event log]/[Network log] tabs

The downloaded logs will be sorted by the log type and the sorted logs will be displayed in the respective tabs.

■ [Save...] button

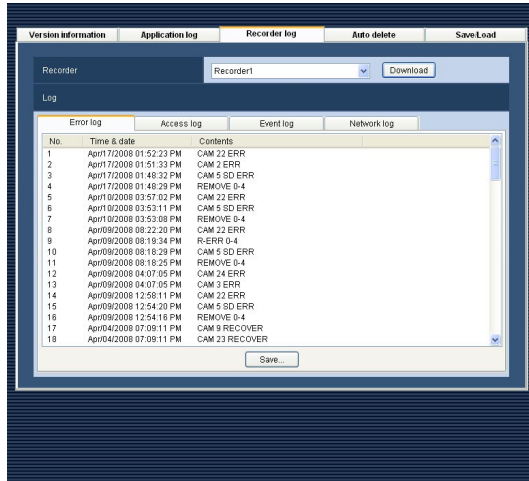
The displayed logs will be saved as a file.

Step 3

Select the recorder and click the [Download] button.

→ The cursor will turn into an hourglass.

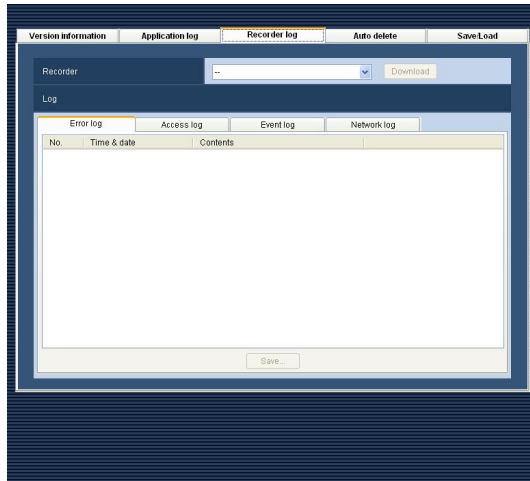
When the download is completed, the downloaded log list will be displayed.



Save the recorder log

Step 1

Display the "Recorder log" page. (☞ page 85)

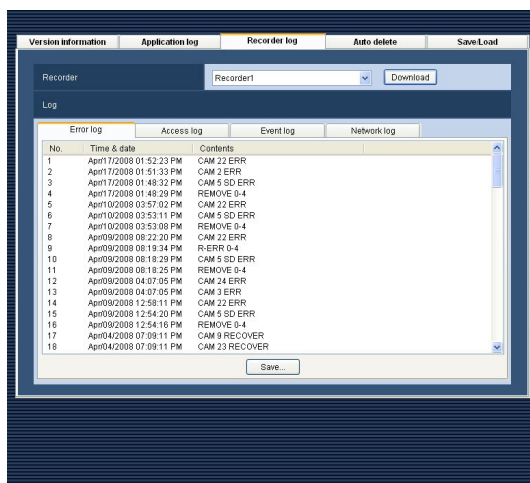


Step 2

Select the recorder and click the [Download] button.

→ The cursor will turn into an hourglass.

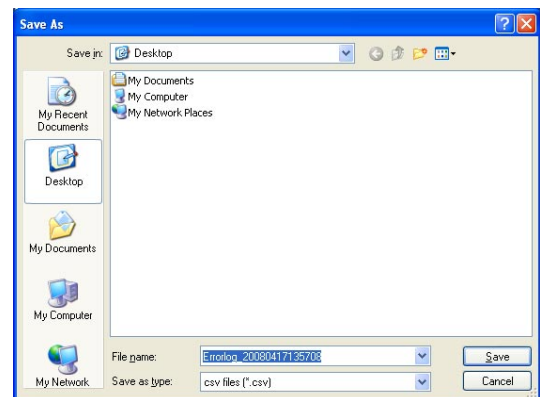
When the download is completed, the log list will be displayed.



Step 3

Click the tab of the desired log type, and then click the [Save] button.

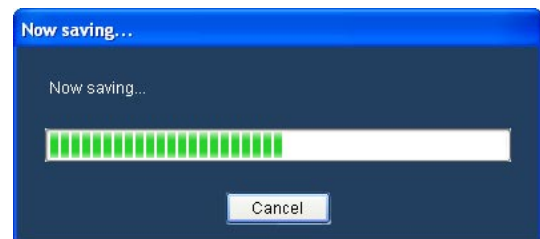
→ The "Save As" window will be displayed.



Step 4

Click the [Save] button after designating the destination folder.

→ The saving status window will be displayed.

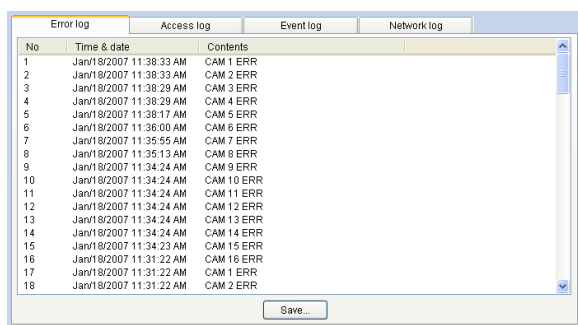


The saving status window will automatically close and the "Recorder log" page will be displayed when the saving of the file is completed.

Descriptions of the recorder log list

The recorder log will be filed each time an error including a network error occurred in the login recorder or in the camera connected the login recorder. Time and date when the error occurred and its descriptions will be displayed for each log. The maximum number of logs that can be stored differs depending on the log type as follows.

Error log: Up to 100 logs
Access log: Up to 100 logs
Event log: Up to 750 logs
Network log: Up to 1 000 logs



No	Time & date	Contents
1	Jan/18/2007 11:38:33 AM	CAM 1 ERR
2	Jan/18/2007 11:38:33 AM	CAM 2 ERR
3	Jan/18/2007 11:38:29 AM	CAM 3 ERR
4	Jan/18/2007 11:38:29 AM	CAM 4 ERR
5	Jan/18/2007 11:38:17 AM	CAM 5 ERR
6	Jan/18/2007 11:38:00 AM	CAM 6 ERR
7	Jan/18/2007 11:35:55 AM	CAM 7 ERR
8	Jan/18/2007 11:35:13 AM	CAM 8 ERR
9	Jan/18/2007 11:34:24 AM	CAM 9 ERR
10	Jan/18/2007 11:34:24 AM	CAM 10 ERR
11	Jan/18/2007 11:34:24 AM	CAM 11 ERR
12	Jan/18/2007 11:34:24 AM	CAM 12 ERR
13	Jan/18/2007 11:34:24 AM	CAM 13 ERR
14	Jan/18/2007 11:34:24 AM	CAM 14 ERR
15	Jan/18/2007 11:34:23 AM	CAM 15 ERR
16	Jan/18/2007 11:31:22 AM	CAM 16 ERR
17	Jan/18/2007 11:31:22 AM	CAM 1 ERR
18	Jan/18/2007 11:31:22 AM	CAM 2 ERR

■ No.

The log number will be displayed. The younger number is given to the newer log.

■ Time & date

Time and date when the log has been filed will be displayed.

■ Protocol

The protocol type will be displayed.

■ Contents

Descriptions about the error occurred in the recorder, access information of the recorder, description about the network error occurred in the recorder, etc. will be displayed.

■ Event

Descriptions of the event will be displayed.

Delete the operation log automatically [Auto delete]

Determine whether to automatically delete the filed operation logs or not.

When deleting the operation logs, set the retention period of the logs.

The operation logs will automatically be deleted when the set retention period has passed.

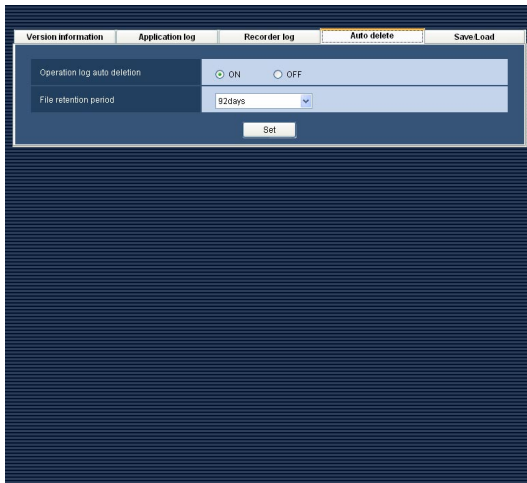
Important:

When the PC is not started, the operation log will not be deleted even when the set retention period has been passed.

Note:

Refer to the "Descriptions of the application log list" section (page 81) for the maximum number of the logs that can be stored.

Click the [Maintenance] button, and then click the [Auto delete] tab to display the "Auto delete" page.



■ Operation log auto deletion

Determine whether to automatically delete the operation log or not.

ON: The operation log will be automatically deleted.

OFF: The operation log will not automatically deleted.

Default: ON

■ File retention period

Select the file retention period from the following. This setting can be configured only when "ON" is selected for "Operation log auto deletion".

31 days/92 days/184 days/366 days

Default: 92 days

■ [Set] button

The edited setting will be saved and applied.

Save/load/initialize the setup data [Save/Load]

The setup data can be saved/loaded/initialized.

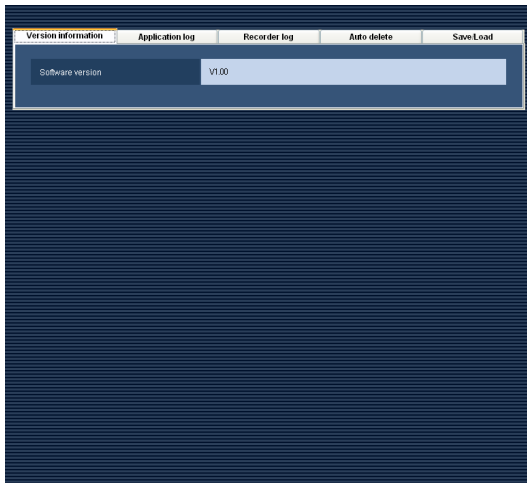
Save the setup data as a backup

Important:

Back up the setup data periodically by copying it onto an external hard disk drive or other storage medium. When the hard disk drive on the PC in use is damaged, it may be impossible to recover the setup data.

Step 1

Click the [Maintenance] button.



The following are descriptions about each item displayed on the "Save/Load" page.

■ [Save...] button

The "Save As" window will be displayed.

■ [Load...] button

The "Open" window will be displayed.

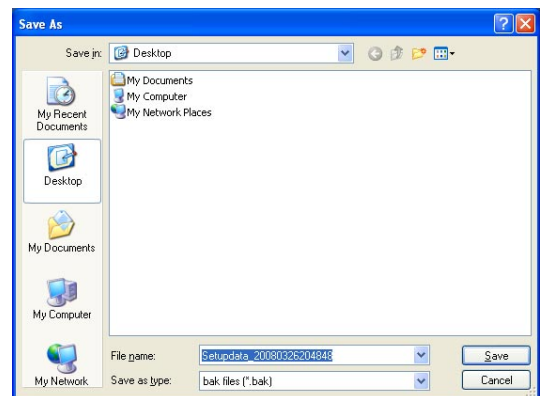
■ [Execute...] button

The initialization start confirmation window will be displayed.

Step 3

Click the [Save...] button.

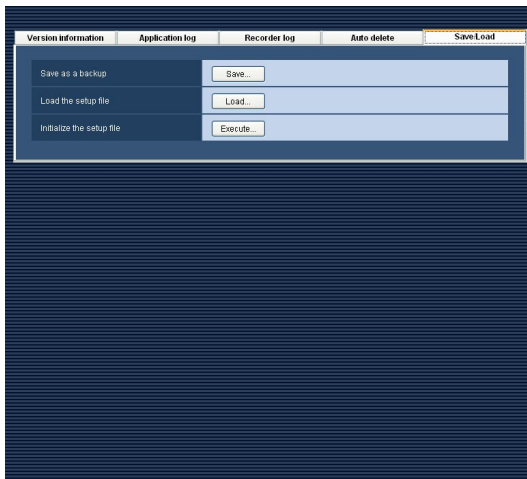
→ The "Save As" window will be displayed.



Step 2

Click the [Save/Load] tab.

→ The "Save/Load" page will be displayed.



Step 4

Click the [Save] button after designating the destination folder.

→ Saving of the setup data will start.

Step 5

Click the [OK] button on the confirmation window.
→ The "Save/Load" page will be displayed again.

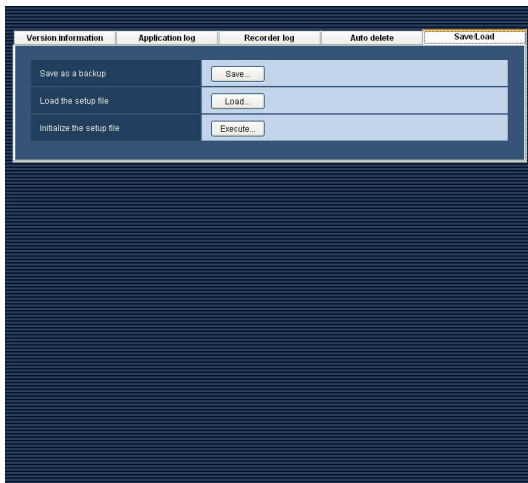
Load the setup file

Important:

- When loading of the setup file starts, all the setup data of this software will be overwritten.
- When loading of the setup file is completed, the setup software will restart.

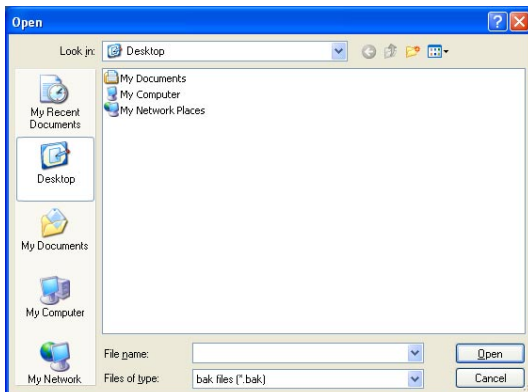
Step 1

Display the "Save/Load" page. (☞ page 90)



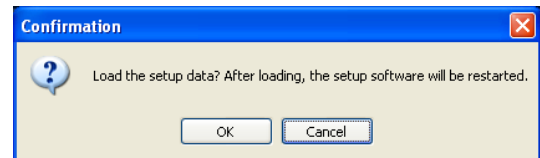
Step 2

Click the [Load...] button.
→ The "Open" window will be displayed.



Step 3

Select the setup file to be loaded, and then click the [Open] button.
→ The loading start confirmation window will be displayed.



Step 4

Click the [OK] button on the confirmation window.
→ Loading of the setup file will start.

Step 5

When the loading completion window is displayed, click the [OK] button.
→ The setup software will be restarted and the login window will be displayed.

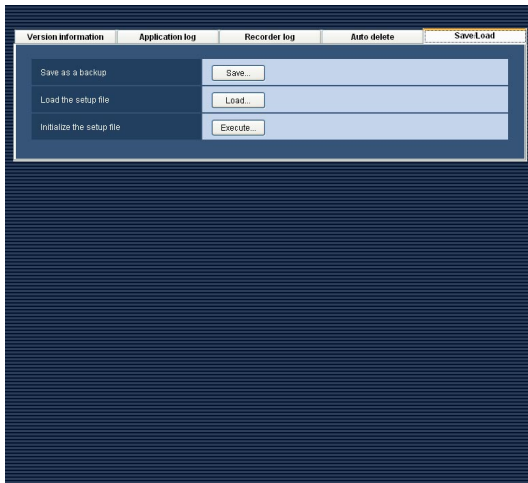
Initialize the setup file

Important:

- When initialization of the setup file starts, all the setup data of this software will be initialized. It is recommended to back up the setup file before initializing the setup file.
- When initialization of the setup file is completed, the setup software will restart.

Step 1

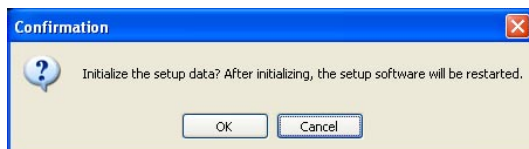
Display the "Save/Load " page. (☞ page 90)



Step 2

Click the [Execute...] button.

→ The initialization start confirmation window will be displayed.

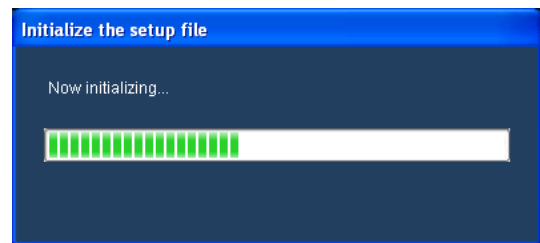


Step 3

Click the [OK] button.

→ Initialization of the setup file will start.

When the initialization is completed, the confirmation window will be displayed.



Step 4

Click the [OK] button on the confirmation window.

→ The setup software will be restarted and the login window will be displayed.

Exceptional settings of Windows Firewall

When using the download function or the Panasonic alarm protocol function (alarm notification, recorder error notification), configure the exceptional settings of Windows Firewall.

Step 1

Click [Security Center] on the "Control Panel".

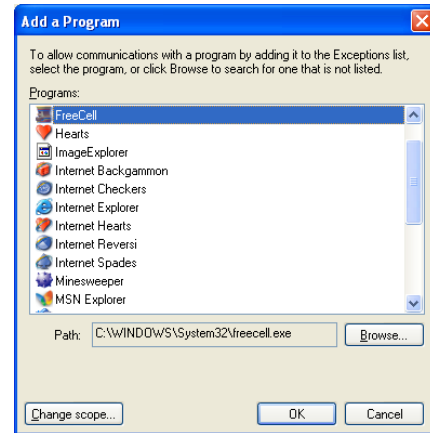
→ The "Windows Security Center" window will be displayed.



Step 3

Click the [Exceptions] tab, and then click the [Add Program...] button.

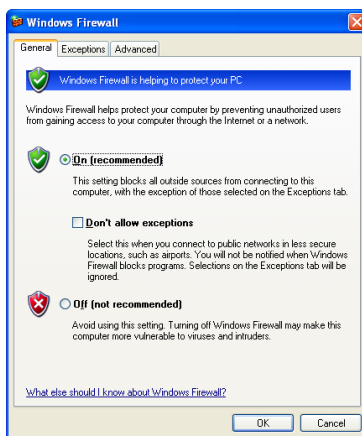
→ The "Add a Program" window will be displayed.



Step 2

Click [Windows Firewall].

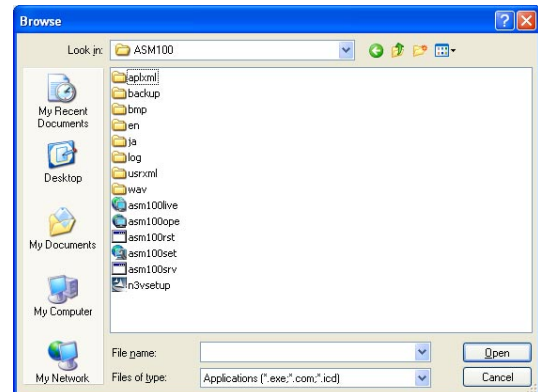
→ The "Windows Firewall" window will be displayed.



Step 4

Click the [Browse...] button.

→ The "Browse" window will be displayed.



Step 5

Select "asm100ope.exe" and click the [Open] button.

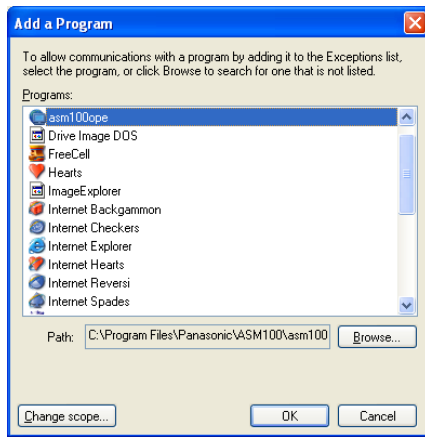
Note:

When this software has been installed without specifying the destination folder, "asm100 ope.exe" will be found in the following path.

C:\Program Files\Panasonic\ASM100

Step 6

Select "asm100ope.exe", and click the [OK] button.



Step 7

Perform steps 3 - 6 in the same manner to add "asm100live.exe", "asm100srv.exe" "sqlservr.exe" and "sqlbrowser.exe".

Note:

When this software has been installed without specifying the destination folder, they will be found in the following path.

asm100live.exe:

C:\Program Files\Panasonic\ASM100

asm100srv.exe:

C:\Program Files\Panasonic\ASM100

sqlservr.exe:

C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\Binn

sqlbrowser.exe:

C:\Program Files\Microsoft SQL Server\90\Shared

Troubleshooting

Before asking for servicing, check the symptoms on the following table.

Contact your dealer if a problem cannot be solved even after checking and trying the solution or if the problem is not described below.

Symptom	Cause/solution	Reference pages
Cannot register a recorder.	<ul style="list-style-type: none"> The number of the registered recorders already reached the maximum possible number. Delete an unnecessary recorder and register a recorder newly. 	4, 23, 30
Cannot register an encoder.	<ul style="list-style-type: none"> The number of the registered encoders already reached the maximum possible number. Delete an unnecessary encoder and register an encoder newly. 	4, 31, 37
Cannot register the camera.	<ul style="list-style-type: none"> The number of the registered cameras already reached the maximum possible number. Delete an unnecessary camera and register a camera newly. 	4, 38, 43
Cannot register a user.	<ul style="list-style-type: none"> The number of the registered users already reached the maximum possible number (32 users). Delete an unnecessary user and register a user newly. 	4, 49, 51
Cannot register a group.	<ul style="list-style-type: none"> The number of the registered groups already reached the maximum possible number (400 groups). Delete an unnecessary group and register a group newly. 	4, 54, 57
Cannot register a sequence.	<ul style="list-style-type: none"> The number of the registered sequences already reached the maximum possible number (10 sequences). Delete an unnecessary sequence and register a sequence newly. 	4, 58, 60
Cannot register a map.	<ul style="list-style-type: none"> The number of the registered map already reached the maximum possible number (100 maps). Delete an unnecessary map and register a map newly. 	4, 62, 64
The camera title displayed in the tool tip is different from the registered one.	<ul style="list-style-type: none"> Some of marks used for the camera title may not be displayed correctly. Example) When entering "&&", it will be displayed as "&" in the tool tip. 	—

Symptom	Cause/solution	Reference pages
<p>Refresh of live images is unstable.</p> <p>The devices are disconnected.</p> <p>Image file downloaded from the FTP server is faulty.</p> <p>Images cannot be properly displayed, recorded, or played back.</p>	<ul style="list-style-type: none"> The line speed settings may be not the same between the connected device and the hub, for example, 100M BASE-TX Full for the unit and 100M BASE-TX half, etc. Some hubs change the line speed automatically depending on the network traffic and it may cause configuration errors. Check the line speed settings of both the connected device and the hub, and configure the line speed settings of both to conform them. 	—

Displayed messages and solutions

When starting the setup software

When a message window is displayed in the process of the startup, refer to the following to solve the problem.

Message	Solution
It is impossible to start the setup software unless the operation software is closed.	<ul style="list-style-type: none">• The setup software cannot be started when the operation software is open. Click the [OK] button, and then start the setup software after closing the operation software.
It is impossible to start the setup software because the hardware key was not found.	<ul style="list-style-type: none">• The hardware key is not inserted into the USB port of the PC. Start the setup software after inserting the hardware key into the USB port.

When the [OK] button on the login window is clicked

When a message window is displayed by clicking the [OK] button on the login window, refer to the following to solve the problem.

Message	Solution
Failed to log in.	<ul style="list-style-type: none">• The entered user name or password is incorrect. Enter the correct user name and password. When failed to log in again, contact the administrator. The administrator should check the user information.

When the [Set] button is clicked

When a message window is displayed by clicking the [Set] button, refer to the following to solve the problem.

Message	Solution
Your user level is not allowed to register setting information in DB.	<ul style="list-style-type: none">• When the [Set] button is clicked by a user who is not an administrator, this message will be displayed. Click the [OK] button to close the confirmation window. The edited settings will not be saved.
Cannot register setting information in DB. <ul style="list-style-type: none">- Invalid character entry.- No entry.- Invalid value entry.	<ul style="list-style-type: none">• This message will be displayed when the [Set] button is clicked without valid entries. The setup item for which invalid value entered will be displayed in red. When there is any setup item displayed in red, correct the invalid setting.

Message	Solution
The entered content is already in used.	<ul style="list-style-type: none"> This message will be displayed when the [Set] button is clicked after entering the value already in use. The setup item for which invalid value entered will be displayed in red. When there is any setup item displayed in red, correct the invalid setting.
Editing of the setting will affect other settings. Are you sure you wish to proceed?	<ul style="list-style-type: none"> This message will be displayed when the setting that affects other settings are edited or deleted. The edited/deleted setting will be saved and applied when the [OK] button is clicked. The edited/deleted setting will not be saved nor applied when the [Cancel] button is clicked.
Cannot configure unless device information is downloaded.	<ul style="list-style-type: none"> This message will be displayed when the setting of "Address", "HTTP port number" or "Use a proxy server" is edited. Click the [Start...] button to download the recorder information.
The total number of areas of the operation window and the live window shall be 20 or less.	<ul style="list-style-type: none"> This message will be displayed when the [Set] button is clicked when 21 or more areas are to be displayed on the operation window and the live window by configuring the settings on the "Basic setup" page of "System". Configure the settings ("Operation window (multi-screen) with the maximum number of areas" and "Live window (multi-screen) with the maximum number of areas") to make the total number of areas of the operation window and the live window 20 or less.

When the [Delete...] button is clicked

When a message window is displayed by clicking the [Delete...] button, refer to the following to solve the problem.

Message	Solution
Your user level is not allowed to register setting information in DB.	<ul style="list-style-type: none"> When the [Delete...] button is clicked by a user who is not an administrator, this message will be displayed. Click the [OK] button to close the confirmation window. The edited settings will not be saved.
Are you sure you wish to delete?	<ul style="list-style-type: none"> This message will be displayed when the [Delete...] button displayed on the setup page of "Device mng.", "User mng.", "Camera" or "Window" is clicked. The deleted setting will be saved and applied when the [OK] button is clicked. The deleted setting will not be saved nor applied when the [Cancel] button is clicked.

Message	Solution
Editing of the setting will affect other settings. Are you sure you wish to proceed?	<ul style="list-style-type: none"> This message will be displayed when the setting that affects other settings are edited. <p>The edited setting will be saved and applied when the [OK] button is clicked. The edited setting will not be saved nor applied when the [Cancel] button is clicked.</p>

When the [Start...] button on the setup page of "Device mng." is clicked

When a message window is displayed by clicking the [Start...] button on the setup page of "Device mng.", refer to the following to solve the problem.

Message	Solution
Information download failed.	<ul style="list-style-type: none"> This message will be displayed when failed to download the device information. <p>Try to download the device information again after checking the connection to the device and the settings such as "Address", "HTTP port number", "Use a proxy server", etc.</p>
Information download failed. The connected recorder is not compatible.	<ul style="list-style-type: none"> This message will be displayed when trying to download recorder information from the model that is incompatible with this software. <p>Check if the recorder in use is the model compatible with this software.</p>
Information download failed. Firmware version of the connected recorder is not compatible.	<ul style="list-style-type: none"> This message will be displayed when trying to download recorder information from the model whose version is firmware version is incompatible with this software. <p>Check the firmware version of the recorder in use.</p>
Information download failed. The connected encoder is not compatible.	<ul style="list-style-type: none"> This message will be displayed when trying to download encoder information from the model that is incompatible with this software. <p>Check if the device in use is compatible or not.</p>
Information download failed. Firmware version of the connected encoder is not compatible.	<ul style="list-style-type: none"> This message will be displayed when trying to download encoder information from the model whose version is firmware version is incompatible with this software. <p>Check the firmware version of the encoder in use.</p>

Message	Solution
Information download failed. The connected camera is not compatible.	<ul style="list-style-type: none"> This message will be displayed when trying to download camera information from the model that is incompatible with this software. Check if the device in use is compatible or not.
Information download failed. Firmware version of the connected camera is not compatible.	<ul style="list-style-type: none"> This message will be displayed when trying to download camera information from the model whose version is firmware version is incompatible with this software. Check the firmware version of the camera in use.
Information download was failed. (Authentication error)	<ul style="list-style-type: none"> This message will be displayed when unauthenticated by the user authentication function to connect to the camera or encoder. Check "Device login user".
New model number is found. Download information was canceled. Please register as a new model after deleting the current data.	<ul style="list-style-type: none"> This message will be displayed when the previously registered model number has been changed. Register the device again after deleting the previously registered information.
Cannot register setting information in DB. <ul style="list-style-type: none"> - Invalid character entry. - No entry. - Invalid value entry. 	<ul style="list-style-type: none"> This message will be displayed when the [Start...] button is clicked without valid entries. The setup item for which invalid value entered will be displayed in red. When there is any setup item displayed in red, correct the invalid setting.

When the [OK] button on setup page of "Camera" is clicked

When a message window is displayed by clicking the [OK] button, refer to the following to solve the problem.

Message	Solution
Cannot register setting information in DB. <ul style="list-style-type: none"> - Invalid character entry. - No entry. - Invalid value entry. 	<ul style="list-style-type: none"> This message will be displayed when the [OK] button is clicked without valid entries. The setup item for which invalid value entered will be displayed in red. When there is any setup item displayed in red, correct the invalid setting.

When dragging and dropping the icon onto the map display area

When a message window is displayed by dragging and dropping the icon onto the map display area, refer to the following to solve the problem.

Message	Solution
No more new items can be added as it will exceed the maximum number of registrations allowed.	<ul style="list-style-type: none">This message will be displayed when trying to register a camera/map even when already reached the maximum registration number. Delete an unnecessary map or camera first, and then register newly.

When the [Download] button on the "Recorder log" window is clicked

When a message window is displayed by clicking the [Download] button on the "Recorder log" window, refer to the following to solve the problem.

Message	Solution
Information download failed. Error log Access log Event log Network log	<ul style="list-style-type: none">This message window will be displayed when failed to connect to the recorder to download the recorder log information. Try to download the recorder log information again after checking the connection to the recorder.

When the [Save] button on the "Save As" window is clicked

When a message window is displayed by clicking the [Save] button on "Save As" window, refer to the following to solve the problem.

Message	Solution
The same file is already in use. Are you sure you wish to overwrite?	<ul style="list-style-type: none">This message will be displayed when the same file name exists in the folder specified to save the new file. Click the [OK] button to overwrite the existing file. Click the [Cancel] button to cancel saving the new file.
File saving failed.	<ul style="list-style-type: none">This message will be displayed when failed to save the file. Try to save the file again.

When an error occurred

When a message window is displayed at an error occurrence, refer to the following to solve the problem.

Message	Solution
Please restart the operating system. When this message is displayed after the restart, please reinstall the software.	<ul style="list-style-type: none">• This message will be displayed when a critical error occurred. Please restart the operating system. When this message is displayed after the restart, please reinstall the software.
Required data was not found in DB. Please load the backup data. When there is no backup data, please reinstall or initialize the setup data.	<ul style="list-style-type: none">• This message will be displayed when the required data was not found in the database. Import the backup file of the setup data.

When determined the entered number on the setting pages of "Controller"

When a message window is displayed by determining the entered number (camera number, group number, sequence number), refer to the following to solve the problem.

Message	Solution
Cannot register setting information in DB. <ul style="list-style-type: none">- Invalid character entry.- The camera number is already in use.- Invalid value entry.	<ul style="list-style-type: none">• This message will be displayed when trying to determine the values on the setting page of "Controller" even though the entered character or camera number is invalid, or the entered camera number is already in use. The setup item for which invalid value entered will be displayed in red. When there is any setup item displayed in red, correct the invalid setting.
Cannot register setting information in DB. <ul style="list-style-type: none">- Invalid character entry.- The group number is already in use.- Invalid value entry.	<ul style="list-style-type: none">• This message will be displayed when trying to determine the values on the setting page of "Controller" even though the entered character or group number is invalid, or the entered group number is already in use. The setup item for which invalid value entered will be displayed in red. When there is any setup item displayed in red, correct the invalid setting.
Cannot register setting information in DB. <ul style="list-style-type: none">- Invalid character entry.- The sequence number is already in use.- Invalid value entry.	<ul style="list-style-type: none">• This message will be displayed when trying to determine the values on the setting page of "Controller" even though the entered character or sequence number is invalid, or the entered sequence number is already in use. The setup item for which invalid value entered will be displayed in red. When there is any setup item displayed in red, correct the invalid setting.

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