

New functions and addendum

- This document contains descriptions of how to set the new functions and their restrictions. It is recommended to read them while referring to the Operating Instructions provided with this product together.
- Depending on the model used, the screens shown in the explanations may differ to the actual camera screens.
- The model number is abbreviated in some descriptions in this manual.
- This document is for the following models.
WV-X6533LN, WV-S6532LN

Due to software upgrade, the following functions have been added and changed to this product.

• Firmware Ver.4.20

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• Firmware Ver.4.30

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• Firmware Ver.4.60

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1. Addition of “Pan/Tilt Operability” setting to the “Cam. Function”

(Operating Instructions Configure the settings relating to images and audio [Image/Audio]
- Configure the settings relating to the camera operations [Cam. Function])

Add the "Pan/Tilt Operability" selection function to the camera operating setting.

Image	Cam. Function	Image/Position	Audio
Home position	<input type="text" value="Off"/>		
Self return	<input type="text" value="Off"/>		
Self return time	<input type="text" value="1min"/>		
Upside-down	<input type="radio"/> On	<input type="radio"/> Off	
HD Extra optical zoom	<input type="radio"/> On	<input type="radio"/> Off	
Digital zoom	<input checked="" type="radio"/> On	<input type="radio"/> Off	
Number of Privacy zone	<input type="radio"/> 8	<input type="radio"/> 32	
Privacy zone	<input type="text" value="Filling"/>		
Camera position display	<input type="text" value="Pan-Tilt degree/Zoom ratio display"/>		
Operation mode display	<input checked="" type="radio"/> On	<input type="radio"/> Off	
Tilt Angle	<input type="text" value="-30 °"/>		
Focus distance	<input type="radio"/> Unlimited	<input checked="" type="radio"/> Limited	
Pan/Tilt Operability	<input type="text" value="Profile1(Normal)"/>		

[Pan/Tilt Operability]

The operability when pan / tilt is operated using the joystick can be selected.

Profile1(Normal) : Select this setting for Panasonic systems starting with "WV-" or "WJ-".

Profile2 : Operability in the low speed range can be improved.

Select this setting when the camera movement is not good in the low speed range.

Profile3 : Operability in the middle and high speed range can be improved.

Select this setting when the camera speed is too high in middle and high speed range.

Default : Profile1(Normal)

2. Change of [Internet mode] default setting

(Operating Instructions Configure the settings relating to images and audio [Image/Audio] Configure the settings relating to Stream [Image])

Change of [Internet mode] default setting.

Stream(1)	
Stream transmission	<input type="radio"/> On <input checked="" type="radio"/> Off
Stream encoding format	<input type="radio"/> H.265 <input checked="" type="radio"/> H.264
Internet mode	<input type="radio"/> On <input checked="" type="radio"/> Off

[Internet mode]

Select “On” when transmitting H.265 (or H.264) images via the Internet. It is possible to transmit stream without changing the broadband router settings configured for JPEG image transmission.

- **On:** H.265 (or H.264) images and audio will be transmitted using the HTTP port. Refer to [HTTP port] for further information about the HTTP port number settings.
- **Off:** H.265 (or H.264) images and audio will be transmitted using the UDP port.
- **Default:** On

Note

- When “On” is selected, only “Unicast port (AUTO)” will be available for “Transmission type”.
- When “On” is selected, it may take time to start displaying stream images.
- When “On” is selected, stream images may not be displayed depending on the number of the concurrent access user and audio data availability, etc.
- When “On” is selected, only IPv4 access is available.

3. Enhanced the access restriction function of SNMP v1/v2

(Operating Instructions “Configuring the network settings” [Network]

- “Configure advanced network settings” [Advanced]
- “Configure the settings relating to SNMP”)

The address range setting of the SNMP manager that receives requests from the camera is newly added.

The screenshot shows a web interface for configuring network settings. The 'Advanced' tab is selected. A navigation bar includes links for SMTP(E-mail), FTP, NTP, UPnP, HTTPS, DDNS, SNMP (highlighted in yellow), and QoS. Below this is the 'SNMP agent setting' section. The 'SNMP version' is set to 'SNMPv1/v2'. Under 'SNMPv1/v2', the 'Community' and 'Manager address' fields are visible. The 'Manager address' field is highlighted with a pink border. Under 'SNMPv3', there are fields for 'User name (1 to 32 characters)', 'Authentication' (with radio buttons for MD5 and SHA1), 'Encryption method' (with radio buttons for DES and AES), and 'Password (8 to 16 characters)'.

- **[Manager address]**

Enter the IP address of the SNMP manager from which requests are to be permitted when the SNMP version is v1 or v2. When left blank, requests from all IP addresses will be permitted.

Note

- When “IP address/subnet mask” is entered, it is possible to restrict IP address of SNMP manager from which request is permitted by subnet.

For example, when “192.168.0.1/24” is entered, all requests from the SMNP managers in the range from “192.168.0.1” to “192.168.0.254” will be permitted.

Available number of characters: 0 - 128 characters

Available characters: Alphanumeric characters, the colon (:), the period (.) and the slash (/).

Default: None (blank)

4. Added “SNMP transmission upon alarm detection” to “Camera action on alarm”

(Operating Instructions “Configure the alarm settings” [Alarm] - “Configure the settings relating to the camera action on alarm occurrence”)

“SNMP transmission upon alarm detection” is newly added to the settings relating to the camera action on alarm.

Click “To SNMP setting” to display the setup menu that can configure the settings relating to SNMP transmission when an alarm occurs. The setup menu will be displayed in a newly opened window.

(→ 5. Added “SNMP trap setting” to “SNMP”)

Camera action on alarm	
Terminal alarm 1	<input type="text" value="Off"/> ▼
Terminal alarm 2	<input type="text" value="Off"/> ▼
Terminal alarm 3	<input type="text" value="Off"/> ▼
VMD alarm	<input type="text" value="Off"/> ▼
Audio detection alarm	<input type="text" value="Off"/> ▼
Command alarm	<input type="text" value="Off"/> ▼
	Preset per sender >>
Image compression rate upon alarm detection	Image compression rate upon alarm detection setup >>
Alarm E-mail notification	E-mail server >>
Alarm image FTP transmission	FTP setup >>
Alarm image recording(SD memory card)	SD memory card setup >>
Panasonic alarm protocol	Panasonic alarm protocol notification >>
HTTP alarm notification	HTTP alarm notification setup >>
SNMP transmission upon alarm detection	To SNMP setting

5. Added “SNMP trap setting” to “SNMP”

(Operating Instructions “Configuring the network settings” [Network] - “Configure advanced network settings” [Advanced] - “Configure the settings relating to SNMP”)

“SNMP trap setting” is newly added to the settings relating to SNMP.
Configure settings relating to SNMP trap when an alarm occurs.

SNMP trap setting		<input checked="" type="radio"/> On <input type="radio"/> Off
Destination of Trap	Address	<input type="text"/>
	Port number	<input type="text" value="162"/> (1-65535)
SNMPv2c	Community	<input type="text"/>
Trap setting		
	Enable/Disable	Trap string
SNMP Generic trap	<input type="checkbox"/> coldStart	<input type="text" value="cold start"/>
	<input type="checkbox"/> linkUp	<input type="text" value="linkup"/>
	<input type="checkbox"/> authenticationFailure	<input type="text" value="auth error"/>
Alarm	<input type="checkbox"/> Terminal 1	<input type="text" value="terminal alarm 1"/>
	<input type="checkbox"/> Terminal 2	<input type="text" value="terminal alarm 2"/>
	<input type="checkbox"/> Terminal 3	<input type="text" value="terminal alarm 3"/>
	<input type="checkbox"/> VMD	<input type="text" value="VMD alarm"/>
	<input type="checkbox"/> Auto track	<input type="text" value="auto track alarm"/>
	<input type="checkbox"/> Audio detection	<input type="text" value="audio"/>
	<input type="checkbox"/> Command alarm	<input type="text" value="cmd"/>
SD memory card	<input type="checkbox"/> Diag.	<input type="text" value="sd alarm"/>
Ext. software	<input type="checkbox"/> Alarm	<input type="text" value="alarm"/>

- **[SNMP trap setting]**
Set On/Off of the SNMP trap.
Default: Off
- **[Destination of Trap] - [Address]**
Enter the destination address of the SNMP trap.
Available number of characters: 0 - 128 characters
Available characters: Alphanumeric characters, the colon (:) and the period (.).
Default: None (blank)

- **[Destination of Trap] - [Port number]**

Enter the port number of the destination address of the SNMP trap.

Available port number: 1 - 65535

Default: 162

The following port numbers are unavailable since they are already in use.

20, 21, 23, 25, 42, 53, 67, 68, 69, 80, 110, 123, 161, 443, 554, 995, 10669, 10670, 59000 - 61000

- **[SNMPv2c] - [Community]**

Enter the community name of the destination address of the SNMP trap.

Available number of characters: 0 - 32 characters

Unavailable characters: 2-byte characters

Default: None (blank)

IMPORTANT

- When using the SNMP trap function, it is necessary to enter the community name. When no community name is entered, the SNMP trap function will not work.

- **[SNMP Generic trap] - [coldStart] - [Enable/Disable]**

When the check box is checked, a trap (SNMPv2-MIB::coldStart) will be sent.

Default: Not checked (Disable)

- **[SNMP Generic trap] - [coldStart] - [Trap string]**

When a camera startup trap is to be extended and sent, set the string of characters of the extended trap.

Available number of characters: 0 - 32 characters

Unavailable characters: 2-byte characters

Default: cold start

- **[SNMP Generic trap] - [linkUP] - [Enable/Disable]**

When the check box is checked, a trap (SNMPv2-MIB::linkup) will be sent at the time when the camera is linked up.

Default: Not checked (Disable)

- **[SNMP Generic trap] - [linkUP] - [Trap string]**

When a camera linkup trap is to be extended and sent, set the string of characters of the extended trap.

Available number of characters: 0 - 32 characters

Unavailable characters: 2-byte characters

Default: linkup

- **[SNMP Generic trap] - [authenticationFailure] - [Enable/Disable]**

When the check box is checked, a trap (SNMPv2-MIB::coldStart) will be sent at the time when an SNMP authentication error occurs.

Default: Not checked (Disable)

- **[SNMP Generic trap] - [authenticationFailure] - [Trap string]**

When a SNMP authentication error occurrence trap is to be extended and sent, set the string of characters.

Available number of characters: 0 - 32 characters

Unavailable characters: 2-byte characters

Default: auth error

- **[Alarm] - [Terminal 1] - [Enable/Disable]**
When the check box is checked, a trap will be sent at the time when an alarm occurs in terminal 1.
Default: Not checked (Disable)
- **[Alarm] - [Terminal 1] - [Trap string]**
Set the string of characters to be used for the trap of [Terminal 1].
Available number of characters: 0 - 32 characters
Unavailable characters: 2-byte characters
Default: terminal alarm 1
- **[Alarm] - [Terminal 2] - [Enable/Disable]**
When the check box is checked, a trap will be sent at the time when an alarm occurs in terminal 2.
Default: Not checked (Disable)
- **[Alarm] - [Terminal 2] - [Trap string]**
Set the string of characters to be used for the trap of [Terminal 2].
Available number of characters: 0 - 32 characters
Unavailable characters: 2-byte characters
Default: terminal alarm 2
- **[Alarm] - [Terminal 3] - [Enable/Disable]**
When the check box is checked, a trap will be sent at the time when an alarm occurs in terminal 3.
Default: Not checked (Disable)
- **[Alarm] - [Terminal 3] - [Trap string]**
Set the string of characters to be used for the trap of [Terminal 3].
Available number of characters: 0 - 32 characters
Unavailable characters: 2-byte characters
Default: terminal alarm 3
- **[Alarm] - [VMD] - [Enable/Disable]**
When the check box is checked, a trap will be sent at the time when a video motion detection is activated.
Default: Not checked (Disable)
- **[Alarm] - [VMD] - [Trap string]**
Set the string of characters to be used for the trap of [VMD].
Available number of characters: 0 - 32 characters
Unavailable characters: 2-byte characters
Default: VMD alarm
- **[Alarm] - [Auto track] - [Enable/Disable]**
When the check box is checked, a trap will be sent at the time when an auto track is activated.
Default: Not checked (Disable)
- **[Alarm] - [Auto track] - [Trap string]**
Set the string of characters to be used for the trap of [Auto track].
Available number of characters: 0 - 32 characters
Unavailable characters: 2-byte characters
Default: auto track alarm
- **[Alarm] - [Audio detection] - [Enable/Disable]**
When the check box is checked, a trap will be sent at the time of an audio detection is activated.
Default: Not checked (Disable)

- **[Alarm] - [Audio detection] - [Trap string]**
Set the string of characters to be used for the trap of [Audio detection].
Available number of characters: 0 - 32 characters
Unavailable characters: 2-byte characters
Default: audio
- **[Alarm] - [Command alarm] - [Enable/Disable]**
When the check box is checked, a trap will be sent at the time when a command alarm occurs.
Default: Not checked (Disable)
- **[Alarm] - [Command alarm] - [Trap string]**
Set the string of characters to be used for the trap of [Command alarm].
Available number of characters: 0 - 32 characters
Unavailable characters: 2-byte characters
Default: cmd
- **[SD memory card] - [Diag.] - [Enable/Disable]**
When the check box is checked, a trap will be sent in the following cases.
 - When a notification of the remaining capacity of SD memory card has been provided
 - When the SD memory card has become full
 - When the SD memory card cannot be recognized**Default:** Not checked (Disable)
- **[SD memory card] - [Diag.] - [Trap string]**
Set the string of characters to be used for the trap of [Diag.].
Available number of characters: 0 - 32 characters
Unavailable characters: 2-byte characters
Default: sd alarm
- **[Ext. Software] - [Alarm] - [Enable/Disable]**
When the check box is checked, a trap will be sent at the time when an alarm occurs in the extension software.
Note
 - This setting will not be displayed if the extension software is not installed.**Default:** Not checked (Disable)
- **[Ext. Software] - [Alarm] - [Trap string]**
Set the string of characters to be used for the trap of [Ext. software].
Note
 - This setting will not be displayed if the extension software is not installed.**Available number of characters:** 0 - 32 characters
Unavailable characters: 2-byte characters
Default: alarm

6. Change the default value of each stream-related setting item depending on the language setting of the browser selected at the time of administrator registration.

(Operating Instructions “Configure the settings relating to images and audio” [Image/Audio] – “Configure the settings relating to Stream” [Image])

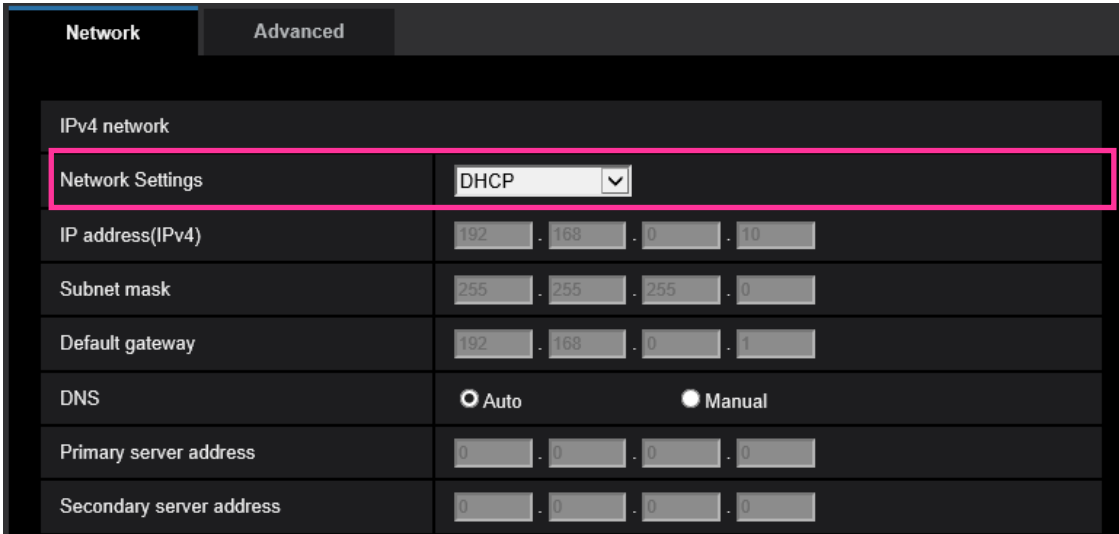
The default settings of some of the stream-related settings vary as follows depending on the language setting of the browser selected at the time of administrator registration.

Setting items	Language of the browser	
	Languages other than Japanese	Japanese
Transmission priority	VBR	Frame rate
Image quality	3	Normal
Stream(1) -Max bit rate (per client)	6144kbps*	3072kbps*
Stream(2) -Max bit rate (per client)	3072kbps*	1536kbps*
Stream(3) -Max bit rate (per client)	2048kbps*	1024kbps*
Stream(4) -Max bit rate (per client)	2048kbps*	1024kbps*

7. Change the initial value of Network Settings and DHCP behavior in IPv4 network of Network

(Operating Instructions “Configuring the network settings” [Network]-
“Configuring the network settings” [Network])

Change the initial value of Network Settings and DHCP behavior in IPv4 network of Network.



The screenshot shows the 'Network' configuration page with the 'Advanced' tab selected. Under the 'IPv4 network' section, the 'Network Settings' dropdown menu is highlighted with a red box and set to 'DHCP'. Below this, the IP address is set to 192.168.0.10, the subnet mask to 255.255.255.0, and the default gateway to 192.168.0.1. The DNS settings are set to 'Auto'.

IPv4 network	
Network Settings	DHCP
IP address(IPv4)	192 . 168 . 0 . 10
Subnet mask	255 . 255 . 255 . 0
Default gateway	192 . 168 . 0 . 1
DNS	<input type="radio"/> Auto <input checked="" type="radio"/> Manual
Primary server address	0 . 0 . 0 . 0
Secondary server address	0 . 0 . 0 . 0

IPv4 network

[Network Settings]

Select the method of how to configure the IP address from the following.

- **Static:** The IP address is configured by entering manually on “IP address(IPv4)”.
- **DHCP:** The IP address is configured using the DHCP function.
If the camera cannot acquire an IP address from the DHCP server, set the IP address to 192.168.0.10.
After that, once an IP address is acquired from the DHCP server, change it to that IP address.
- **Auto(AutoIP):** The IP address is configured using the DHCP function. When the DHCP server is not found, the IP address is automatically configured.
- **Auto(Advanced):** Using the DHCP function, network address information is referred to, and an unused IP address is configured to the camera as a static IP address. The configured IP address is automatically determined within the subnet mask range by the camera. When the DHCP server is not found, the IP address is set to 192.168.0.10.
- **Default:** DHCP

8. Add ONVIF® settings in Network

(Operating Instructions “Configuring the network settings” [Network]-
“Configuring the network settings” [Network])

Add ONVIF® settings in the network settings.

Network	Advanced
IPv4 network	
Network Settings	DHCP
IP address(IPv4)	192 . 168 . 0 . 10
Subnet mask	255 . 255 . 255 . 0
Default gateway	192 . 168 . 0 . 1
DNS	<input type="radio"/> Auto <input checked="" type="radio"/> Manual
Primary server address	0 . 0 . 0 . 0
Secondary server address	0 . 0 . 0 . 0
IPv6 network	
Manual	<input type="radio"/> On <input checked="" type="radio"/> Off
IP address(IPv6)	
Default gateway	
DHCPv6	<input type="radio"/> On <input checked="" type="radio"/> Off
Primary DNS server address	
Secondary DNS server address	
Common	
HTTP port	80 (1-65535)
Line speed	Auto
Max RTP packet size	<input type="radio"/> Unlimited(1500byte) <input checked="" type="radio"/> Limited(1280byte)
HTTP max segment size(MSS)	Unlimited(1460byte)
Bandwidth control(bit rate)	51200kbps
Easy IP Setup accommodate period	<input type="radio"/> 20min <input checked="" type="radio"/> Unlimited
FTP access to camera	<input type="radio"/> Allow <input checked="" type="radio"/> Forbid
ONVIF® *ONVIF is a trademark of Onvif, Inc.	<input type="radio"/> On <input checked="" type="radio"/> Off

Set

[ONVIF®]

Set the ONVIF to On/Off.

On: Enables the access from the ONVIF camera.

Off: Disables the access from the ONVIF camera

Default: On

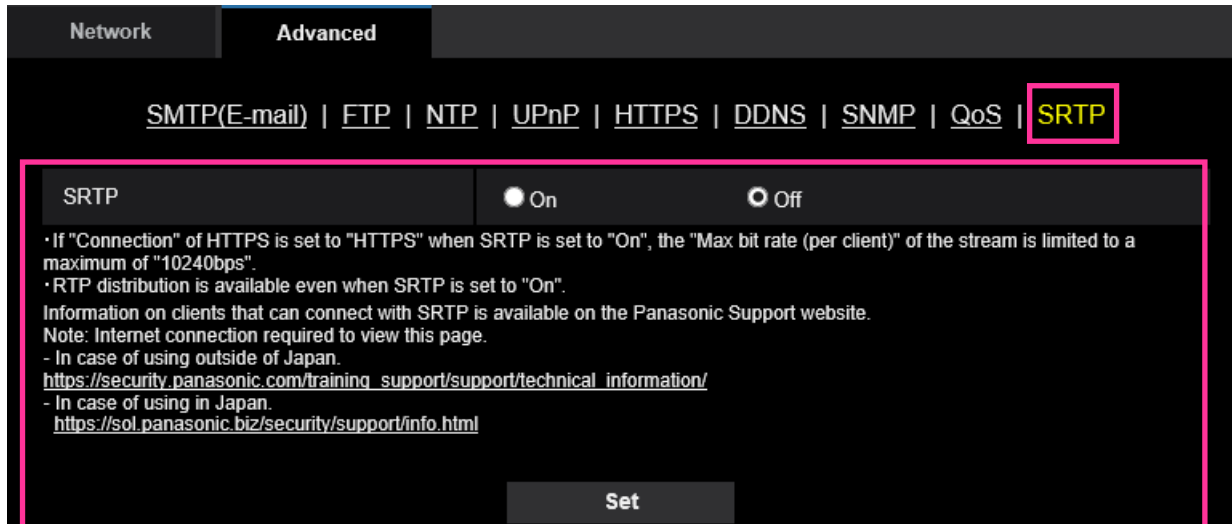
*ONVIF is the trademark of ONVIF, Inc.

9. Add the SRTP function to "Advanced" of "Network"

(Operating Instructions "Configuring the network settings" [Network] - "Configure advanced network settings" [Advanced])

The SRTP function has been added to "Advanced" of "Network".

The Secure Real-time Transport Protocol (SRTP) can encrypt the "Real-time Transport Protocol (RTP)" for real-time playback of data such as voice and video, thus increasing the security of communication.



[SRTP]

On/Off the SRTP function.

On: Enables the SRTP distribution on SRTP-compatible clients.

Off: Disables the SRTP distribution on SRTP-compatible clients.

Default: Off

Note

- If "Connection" of HTTPS is set to "HTTPS" when SRTP is set to "On", the "Max bit rate (per client)" of the stream is limited to a maximum of "10240bps".
- RTP distribution is available even when SRTP is set to "On".
- Information on clients that can connect with SRTP is available on the Panasonic Support website.
https://security.panasonic.com/training_support/support/technical_information/<Control No.: C0318>

10. Enable the HTTP alarm notification function to support the HTTPS communication and the Digest authentication

(Operating Instructions “Configure the alarm settings” [Alarm] – “Configuration of the settings relating to alarm notification” [Notification] – “Configure the settings relating to HTTP alarm notification”)

The HTTP alarm notification function is now supporting the HTTPS communication and Digest authentication.

- **HTTPS Communication:** Implement alarm notification over HTTPS communication by entering https:// in [Address].
- **Digest authentication:** Support Digest authentication with the HTTP server.

HTTP alarm notification		Alarm	
Address 1	<input type="checkbox"/>	<input type="text" value="http://"/>	<input type="button" value="Delete"/>
User name		<input type="text"/>	
Password		<input type="text"/>	
Notification data		<input type="text" value="/cgi-bin/comalarm.cgi?CMD=01"/>	
Address 2	<input type="checkbox"/>	<input type="text" value="http://"/>	<input type="button" value="Delete"/>
User name		<input type="text"/>	
Password		<input type="text"/>	
Notification data		<input type="text" value="/cgi-bin/comalarm.cgi?CMD=01"/>	
Address 3	<input type="checkbox"/>	<input type="text" value="http://"/>	<input type="button" value="Delete"/>
User name		<input type="text"/>	
Password		<input type="text"/>	
Notification data		<input type="text" value="/cgi-bin/comalarm.cgi?CMD=01"/>	
Address 4	<input type="checkbox"/>	<input type="text" value="http://"/>	<input type="button" value="Delete"/>
User name		<input type="text"/>	
Password		<input type="text"/>	
Notification data		<input type="text" value="/cgi-bin/comalarm.cgi?CMD=01"/>	
Address 5	<input type="checkbox"/>	<input type="text" value="http://"/>	<input type="button" value="Delete"/>
User name		<input type="text"/>	
Password		<input type="text"/>	
Notification data		<input type="text" value="/cgi-bin/comalarm.cgi?CMD=01"/>	

[Address 1] - [Address 5]

Enter the destination IP address or host name of the HTTP alarm notification. Up to 5 destination server addresses can be registered.

• **Available characters:** Alphanumeric characters, the colon (:), the period (.), the underscore (_), and the hyphen (-).

• **Default:** http://

Example of entry: “http://IP address of the HTTP server + : (colon) + port number” or

http://Host name: (colon)+ port number

“https://IP address of the HTTP server + : (colon) + port number” or

https://Host name: (colon)+ port number

[User name]

Enter the user name (login name) to access the HTTP server.

- **Available number of characters:** 0 - 63 characters
- **Unavailable characters:** " & ; ; ¥

[Password]

Enter the password to access the HTTP server.

- **Available number of characters:** 0 - 63 characters
- **Unavailable characters:** " &

Note

- Basic authentication or Digest authentication is performed on authentication request of the HTTP server.

11. Add to the system log when authentication fails for the HTTP alarm notification function

(Operating Instructions “Others” – “About the displayed system log”)

When the HTTP server user authentication fails, an error is added to "Error indications relating to HTTP alarm notification".

Category	Indication	Description
HTTP alarm notification	Authentication error	<ul style="list-style-type: none">Entered user name or password may be incorrect. Check if the HTTP alarm notification settings are configured correctly.

12. Add a notify to the [SNMP trap setting] **(Operating Instructions Configure the network settings [Network] - Configure advanced network settings [Advanced])**

Add the notifications to [SNMP trap settings].

Note

- In order to activate SNMP trap notifications for when alarms occur, alarm operation settings are required.

For information on settings related alarm operations, refer to Configure the alarm settings [Alarm] in Operating Instructions.

13. Add to the system log when recording stream fails to write

(Operating Instructions “Others” – “Maintenance” - Check the status [Status])

A system log has been added for errors in the write process of the recording stream to the log related to SD memory cards.

Category	Indication	Description
SD memory card	<SD>Format	Successfully formatted the SD memory card.
	<SD>Format error	Error occurred when formatting the SD memory card.
	<SD> Write-protect ON (Locked card)	A write-protected SD memory card is inserted.
	<SD> Detection error	The SD memory card could not be correctly recognized.
	<SD> Write error	An error occurred when writing to the SD memory card.
	<SD> Read error	An error occurred when reading from the SD memory card.
	<SD> Delete error	An error occurred when deleting data from the SD memory card.
	<SD> File system error	An error occurred in File system of the SD memory card.
	<SD> Undefined error	An error other than the ones above has occurred for the SD memory card.
	<SD> An abnormality occurs in continuity of the SD memory recording. Check the recording bit rate setting of the SD memory recording.	An error occurred when writing to the SD memory card.
<SD> An error occurs in the SD memory card. Check the status of the SD memory card.	The SD memory card write process still generates data loss. Make sure that the SD memory card is properly recognized. If the card is not recognized, reboot the unit, or remove and reinsert the SD memory card to check.	

14. Add a function to notify the user of writing failures in the recording stream with a unique alarm

(Operating Instructions “Others” – “Maintenance” - Configure the alarm settings [Alarm]) – Configuration of the settings relating to alarm notification

[Notification]– Configure the settings relating to Panasonic alarm protocol)

Add the write processing error of the recording stream to the occurrence condition of the Panasonic alarm protocol notification of “Diag.”

Panasonic alarm protocol

• [Panasonic alarm protocol]

Select “On” or “Off” to determine whether or not to provide notification by Panasonic alarm protocol according to the settings for the “Alarm” and “Diag.” checkboxes of “Destination of notification” below.

- When an alarm is detected (“Alarm”)
- When a notification of the remaining capacity of the SD memory card has been provided (“Diag.”)
- When the SD memory card has become full (“Diag.”)
- When the SD memory card cannot be recognized (“Diag.”)
- When there is a write error on the SD memory card (“Diag.”)

Default: Off

Destination of notification

• [Address 1] - [Address 8]

Enter the destination IP address or host name of the Panasonic alarm protocol from the following.

Up to 8 destination server addresses can be registered.

[Alarm] checkbox: When the checkbox is checked, the Panasonic alarm notification will be provided upon an alarm occurrence.

[Diag.] checkbox: When the checkbox is checked, notification using Panasonic alarm protocol will be provided in the following cases.

- When notification of the remaining capacity of the SD memory card has been provided
- When the SD memory card has become full
- When the SD memory card cannot be recognized
- When the SD memory card cannot be written

[Destination server address]: Enter the destination server address or host name.

Available characters: Alphanumeric characters, the colon (:), the period (.), the underscore (_), and the hyphen (-).

To delete the registered destination server address, click the [Delete] button respective to the desired destination server address.

15. Add a note when the bit rate of the recording stream is set to a value exceeding recommended value

(Operating Instructions “Image/Audio” - Configure the settings relating to Stream [Image])

Add the statement that it is possible that an error may occur in the continuity of SD memory card recording, if you set a bit rate that exceeds the recommended value in “Note” of “Max bit rate (per client) *”.

[Max bit rate (per client)*]:

Note

- The bit rate for “Stream” is restricted by “Bandwidth control (bit rate)” on the [Network] tab on the “Network” page. When a value with “*” attached is set, images may not be streamed.
- It is recommend that the bit rate setting of the stream to be 6144 kbps or lower. Setting a value higher than 6144 kbps may cause abnormalities in the continuity of the recorded video.
- When the refresh interval is too short, the actual bit rate may exceed the set bit rate depending on the subject.
- Depending on the number users connecting at the same time or the combination of features used, the bit rate may be lower than the configured value. Check the transmission of images after changing settings.

**16. Add a download function of Viewer software (nwc4Ssetup.exe)
(Operating Instructions Configure the basic settings of the camera [Basic] -
Configure the basic settings of the camera [Basic])**

Add the download function of Viewer software (nwc4Ssetup.exe).

[Viewer software (nwc4Ssetup.exe)] - [Download]

Click the [Execute] button to download the viewer software with the installer to a PC. Follow the on-screen instructions and install the software by executing the downloaded file.