

4 Using WV Series Network Cameras

4.1 Specification Differences

When WV series network cameras are registered to this software and used, some of the procedures and specifications for using the WV series network cameras will differ to those listed in this manual.

Note

- See Page 4 for more information on cameras supported by this software.

4.1.1 Multi-Monitoring screen

Presets

When using the WV series network cameras, the camera's preset name may not be displayed in the preset list. In this case a preset number (1-64) is displayed.

Pan Scan/Tilt Scan

The Pan Scan/Tilt Scan features cannot be used with the WV series network cameras.



is displayed as inoperable.

Listen button

When using the WV series network cameras, audio for MPEG-4 and H.264 images cannot be listened to.



is displayed as inoperable.

Note

- Audio for JPEG images can be listened to.

Audio Transmission button

Audio transmission cannot be used with WV series network cameras.



is displayed as inoperable.

4.1.2 Image Settings

Data Format

WV series network cameras connected over the internet can only display JPEG images.

Note

- WV series network cameras connected to the network camera recorder software on the same network (LAN) can display MPEG-4 and H.264 images.

Image Quality

The following image quality levels can be selected for the WV series network cameras:

- [0 Highest Quality], [1 High Quality], [2], [3], [4], [5 Standard], [6], [7], [8], [9 Lowest Quality]
The default is [5 Standard].

Audio Recording Data

The WV series network cameras cannot record audio for MPEG-4 and H.264 images. When [MPEG-4] or [H.264] is selected in [Data Format], [Audio and Image] is displayed as inoperable.

Note

- Audio for JPEG images can be recorded.

Frame Rate Settings

The frame rates that can be set for WV series network cameras are as follows:

- **JPEG Images**
[0.1 fps], [0.2 fps], [0.33 fps], [0.5 fps], [1 fps], [2 fps], [3 fps], [5 fps], [6 fps], [10fps], [15 fps], [30 fps]
The default is [10 fps].

Note

- The JPEG image frame rate may become slower due factors such as the network environment, capacity of the computer, recording subject, and number of user accesses.
For more information, see the WV series network camera user manual.
- **MPEG-4/H.264 Images**
[1 fps], [3 fps], [5 fps], [7.5 fps], [10 fps], [15 fps], [20 fps], [30 fps]
The default is [10 fps].

4.1.3 Alarm Detection

Alarm Detection Settings

Alarm detection can only be set on WV series network cameras connected to the network camera recorder software on the same network (LAN).

WV series network cameras connected over the internet cannot perform alarm detection.

Alarm Detection

When Alarm detection is configured for WV series network cameras with the network camera recorder software:

- Use the WV series network camera's Panasonic alarm protocol notification.
- The WV series network camera's Destination port is set to 1818.
- Use the WV series network camera's Address 1 of the Destination of notification in Panasonic alarm protocol notification. Address 1 of the Destination of notification in Panasonic alarm protocol notification is the IP address of the PC that set the alarm detection.

Note

- Because the Destination of notification will become the IP address of the PC, set the IP address of the PC to a static IP address.

4.1.4 Other Settings

- When several network camera recorder software programs are registered to 1 WV series network camera, the IP address of the last PC to set the alarm detection will overwrite Address 1 of the Destination of notification in Panasonic alarm protocol notification.
- For more information about the Panasonic alarm protocol notification function, see the WV series network camera user manual.

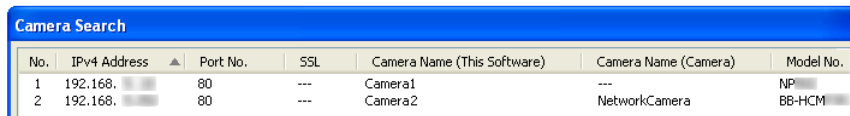
Detection Pattern

3 detection patterns can be selected for WV series network cameras: [Rising: GND to Open (High)], [Falling: Open (High) to GND], and [Rising and Falling]. The default is [Rising: GND to Open (High)].

4.1.4 Other Settings

Search for Cameras

- Search
WV series cameras that have been connected to a power outlet for more than 20 minutes cannot be searched for. If you want to register a WV series network camera by searching, disconnect and then reconnect it to the power outlet.
- Search Result
Camera names of WV series network cameras are not displayed in the camera search list. The first 2 digits of the model number (WV-) are also not displayed.



No.	IPv4 Address	Port No.	SSL	Camera Name (This Software)	Camera Name (Camera)	Model No.
1	192.168. [redacted]	80	---	Camera1	---	NP [redacted]
2	192.168. [redacted]	80	---	Camera2	NetworkCamera	BB-HCM [redacted]

IPv6 Addresses

IPv6 addresses cannot be used for WV series network cameras. Set WV series network cameras to an IPv4 address or a URL that you registered by IPv4 domain name service.

Preset Sequence Operation Time Limits

For WV series network cameras, there is no limit to the preset sequence operation time.

Motion Detection when Operating Pan/Tilt

For WV series network cameras, motion detection will still be performed even when operating the Pan/Tilt.

MPG/ASF/AVI File Conversion

When converting recording images from the WV series network cameras to MPG/ASF/AVI files, if the aspect ratio of the image to be converted is 16:9, a black outline may be added to the image. The maximum width of an image after conversion is 1280.

4.2 WV Series Network Camera Setting Values

When registering WV series network cameras, performing [Check the Camera Function] after registration, or accessing WV series network cameras, settings on the WV series network camera are changed in the following manner.

Image	Image capture size (MPEG-4/H.264)	Network camera recorder software's setting value.
	Image quality (JPEG)	Network camera recorder software's setting value.
	Image quality (MPEG-4/H.264)	Normal
	Sending Mode (MPEG-4/H.264)	Frame rate
	Frame rate (MPEG-4/H.264)	Network camera recorder software's setting value.
	Max bit rate (per client) (MPEG-4)	VGA: 2048 kbps QVGA: 1024 kbps
	Max bit rate (per client) (H.264)	Optimal value derived from the resolution and frame rate.
	Refresh interval (MPEG-4/H.264)	1 second
alarm	alarm Setting	Terminal 1: Alarm Input Terminal 2: Alarm Input Terminal 3: AUX Output
	Address 1 of Destination of notification	The IP address of the PC that performed [Check the Camera Function].
	Destination Port Number	1818
Audio	Audio transmission/reception	Interactive(Full-duplex)
	Audio bit rate	32 kbps
	Audio encoding format	G.726

Note

- These setting values are necessary when using WV series network cameras registered to the software. Do not change the values directly on WV series network cameras.