

## WV-X8570N(H)/S8530N(H) Release Note

VER (ActiveX VER) Release Date	Priority Rank Level				Contents
	A	B	C	U	
1.04 (4.50.34) July, '18					Priority Rank Level A: Recommend to apply (Major or serious update) B: When issue happened C: Maintenance timing *: ONVIF is a trademark of Onvif, Inc.
					Issue (Phenomenon)      Occurrence condition      Correspondence
				x	First production (except WV-X8570NH).
Revised on Sept. 7, 2018					
Ver1.10 (4.50.34) Aug., '18	C			x	Solid black image may be displayed due to outputting video takes time.      During sequence operation with the network disk recorder.      Fixed.
				x	Camera may restart by <b>both</b> network disk recorder <b>with "SD memory backup" enabled or and</b> image management software (WV-ASM series) are in sequence mode <b>simultaneously</b> .      -      Fixed.
				x	Camera may restart by downloading the data that backed up onto SD memory card.      -      Fixed.
				x	Recording may not stop at communication restoration.      In a case the communication state is unstable.      Fixed.
Ver1.11 (4.50.34) Oct., '18	C			x	First production for WV-X8570NH.
				x	VMD status may not be notified properly by CGI command "/cgi-bin/get_io,/cgi-bin/get_io2".      -      Fixed.
				x	-      -      Added the channel parameter in CGI command "/cgi-bin/get_io2".
				x	-      -      Improved accuracy of actual output frame rate against the setup frame rate.
Ver1.20 (4.50.34) Dec., '18	C			x	-      -      Settings of "HTTP max segment size(MSS)" to be relating to the camera action; - JPEG transmission for Face Best Shot - "HTTP alarm notification"
				x	Camera may restart, unexpectedly. (Occurrence frequency: Rare)      In case of high load such as multi-stream transmission at 60fps etc.      Fixed.
				x	-      By receiving ONVIF command continuously.      Fixed.
				x	Camera may send corrupt AAC-LC data.      When the transmission is delayed due to the network environment etc.      Fixed.
				x	Setting of SNMP (Simple Network Management Protocol) may restore to the factory default settings.      By downgrading the firmware from version 1.20 (or later) to earlier than version 1.20.      Fixed.
				x	Communication error may occur. (Occurrence frequency: Rare)      While connecting with Network Disk Recorder, WJ-NX series.      Fixed.
Ver4.00 (4.50.35) Feb., '19	C			x	-      -      Added responding the status of VMD Area On/Off for each camera by "/cgi-bin/setdata".
				x	The refresh interval value may not be reflected in the CGI command as follow; /cgi-bin/set_h264?f_priority=4&nr_framerate=1&h264_bandwidth=64&h264_quality=9&h264_ivop=0.2      -      Fixed.
				x	ONVIF RTSP Multicast transmission may not work.      -      Fixed.
				x	The settings of SMTP server may return before the setting by restarting the camera.      -      Fixed.
				x	-      -      Enhanced security.

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Ver4.00 (4.50.35) Feb.,'19	C				x	-	-	Changed the URLs of hype-link destination according to change of support page URL (from "http" to "https").	
						x	Displayed full screen on the main monitor when placing IE on the sub monitor and clicking the full screen display button.	When using the two monitor screens of main and sub.	Fixed.
						x	-	-	Improved the visibility of characters in the date/time screen.
							For Chinese market models only.		
						x	-	-	Changed factory default settings as follow; - Internet mode (over HTTP) from "On" to "Off" - Image capture mode <del>from 30fps to 25fps</del> , SD from "Off" to "On" VCC-X8570NH: from 15fps to 12.5fps VCC-S8530NH: from 30fps to 25fps - SD from "Off" to "On" - Light control mode from "ELC" to "Indoor scene (50Hz)" - Maximum shutter from "Max.1/30s" to "Max.1/25s" - Date/time display format from "DD/MM/YYYY" to "YYYY/MM/DD" - <del>Time zone</del> from "GMT+00:00" to "GMT+08:00"
						x	-	-	Added a message as follow in the "Schedule" page; "VMD permission" is required when assigning the period to be detected. Setting is not necessary when detection at any time.
						x	-	-	Changed a message by clicking the Delete button in the log list window to; Delete the log and image as the result of retrieval including the page where log is not displayed. (All of data selected by "Event" and "Recording time" are deleted.)
						x	The recorded data of the log one before the relevant time might be downloaded when downloading the recorded data from the log list.	-	Fixed.
							The previous image may be displayed a moment when switching the image.	While in manual sequence by connecting a certain PC and a camera.	Fixed.
						x	Refresh rate may not be changed even if the frame rate were changed.	During "GOP control (framerate control)".	Fixed.
						x	Camera may restart unexpectedly while receiving ONVIF command continuously.	-	Fixed.
						x	XML may be a syntax error by ONVIF Event command due to the XML namespace prefix was not defined at WS-Addressing.	-	Fixed.
						x	Multicast parameters did not appear in the Milestone stream setting when ONVIF camera was registered in Media 2.	-	Fixed.
				x	When one network is disconnected from the network, the same alert screen is displayed for other cameras.	While using multi-screen display.	Fixed.		
				x	Camera may restart when a file which cannot be deleted were created during JPEG overwrite recording on the SD memory card.	-	Fixed.		

Revised on July 22, 2019

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	A	B	C	U				
Ver4.00 (4.50.35) Feb.,'19	C			x	RTC communication may not be normal in rare cases when turning power from OFF to ON.	-	Fixed.	
				x	When deleting SD card data on the log list screen, data that can not be deleted may be left while displaying the play window.	-	Fixed.	
				x	Transmission type (H.264/H.265) and image capture size of stream may not be changed (transmission type and image capture size hold before change).	If those were changed within 2 minutes after the network had been disconnected with over RTSP connection.	Fixed.	
				x	VMD alarm on ch2 through ch4 may not be detected.	When VMD alarms Ch1 through Ch4 were set simultaneously from the Network Disk Recorder (WJ-NX series).	Fixed.	
					x	-	-	Changed encryption method of setting data along with strengthening security. <b>[Important Information]</b> It is not possible to restore the setting data backed up with firmware version 4.00 (or later) to the camera that operates in version earlier than Ver 4.00.
Ver4.10 (4.50.35) June,'19	C			x	-	-	Security has been enhanced.	
				x	Audio may not output by attempting to connect two sessions simultaneously and failure to authenticate one of them.	-	Fixed.	
				x	-	-	Correspondence for the addition of supported model of WiFi-USB adapter. <a href="#">Click here for supported models in details.</a>	
				x	-	-	Added a note in the window of DDNS setting page when using "Dynamic DNS Update", "Dynamic DNS Update(DHCP)".	
				x	-	-	Supported multi-browsers other than the Internet Explorer. <a href="#">Some restrictions apply: click here for details.</a>	
				x	-	-	Improved smooth text display by changing the texts on the screen from 2 gradations to grayscale.	
				x	-	-	Added a CGI command to make an alarm; /Set?Func=SoftTrigger or /cgi-bin/Set?Func=SoftTrigger or /cgi-bin/comalarm.cgi	
				x	<b>For WV-X8570NH only</b>	-	-	Changed factory default setting of the time zone to Chinese Standard Time(CST), UTC+8.
				x	-	-	Display the license of open source software (OSS) on upgrade screen.	
				x	Failed some functional tests on ONVIF.	-	Fixed.	
				x	Failed the test of ONVIF DTT v18.12 IPv6.	-	Fixed.	
				x	Unable to find ONVIF search.	-	Fixed.	
				x	The JPEG frame rate became 0.33 fps by changing the image capture mode from 25 fps to 30 fps using CGI (/cgi-bin / setdata? IMG_MODE = 9 m).	-	Fixed.	
			x	-	-	The file may not be found by opening the log list during overwrite recording of the SD memory card and attempt to browse.		

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Ver4.10 (4.50.35) June,'19	C			x	- The camera may restart by encrypting the stream 1 only, selecting audio transmission mode AAC-LC and recording video and audio simultaneously.	
				x	- Session registration may remain and video may not appear by changing Transmission type from "Unicast (Auto)" to "Unicast (Manual)".	
Ver4.20 (4.50.35) Sept.,'19	C			x	- In FTP / SNMP authentication, "Authentication error" is logged in the system log by failing authentication more than a certain condition.	
				x	- Supported EasyIpSetup software (Ver4.31R00) and became to display serial numbers of devices.	
				x	- Updated (Enhanced) SNMP MIB information. The document of i-PRO camera management information (MIB) is available at the following URL; <a href="https://bizpartner.panasonic.net/public/ppr/finder/107669?keyword=key_camera_mib&amp;sort=last_modified&amp;order=desc">https://bizpartner.panasonic.net/public/ppr/finder/107669?keyword=key_camera_mib&amp;sort=last_modified&amp;order=desc</a>	
			x		The slide-bar for VMD may not be able to be slid. In Compatibility View mode on Internet Explorer.	Fixed.
			x		The cursor focus may move to the "Close" button by clicking the "Open" button of "AUX" in the live page.	Fixed.
Ver4.30 (4.50.38) April,'20	B			x	- Added "SNMP trap setting" in [Network] > [Advanced] > [SNMP]. <a href="#">(Click here for detail)</a>	
				x	Except Chinese market models, WV-X8570NH	Added "EAP-TLS" to the EAP method in IEEE802.1x.
				x	-	Enhanced security.
			x		The camera may show a black image on the "Live" page.	Fixed.
			x		All sessions get disconnected by executing the ONVIF® commands for changing the framerate and the resolution.	Fixed.
				x	-	Changed the date character string format for response which responds via SNMP to "DateAndTime" format as it was not transmitted correctly.
				x	-	Supports multi-browsers Google Chrome, Firefox and Microsoft Edge in addition to Internet Explorer for; - Playing back the images on SD memory card <a href="#">(Click here for detail)</a>
				x	-	Changed the URL, QR code and Data_Matrix linked to the support page on the "Support" menu.
		x	Except Chinese market models, WV-X8570NH	Installing "CA certificate" opens two installation screens, a small window and a tab.	Fixed.	

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Ver4.30 (4.50.38) April,'20	B			x		The resolution may not change to the designated JPEG resolution by sending the CGI command "Mode=Motion&Resolution=640x360".	-	Fixed.
				x		On the "/cam" window for mobile terminal, reloading the image will show the normal live images when the camera is switched to the "Access permission" period from inaccessible period.	-	Fixed.
					x	Except Chinese market models, WV-X8570NH		
					x	-	-	Improved the response when reconnecting in HTTPS connection on Windows 10.
					x	-	-	Corrected the coordinate of the transmitted contents in ONVIF Metadata.
					x	-	-	Enhanced the access restriction function of SNMP v1/v2. <a href="#">(Click here for detail)</a>
					x	-	-	Changed the below default setting. - [Internet mode]: from "OFF" to "ON" - [Viewer software (nwc4Ssetup.exe)] - [Smoother live video display on the browser (buffering)] : from "ON" to "OFF". <a href="#">(Click here for detail)</a>
					x	The process load on the camera may become high unexpectedly when: - The LAN cable of the network disk recorder on thereceiving side is disconnected. - The network disk recorder is powered off. (Occurrence frequency: Rare)	When streaming H.265 video using RTP over RTSP protocol	Fixed.
			x	The camera may not record the images in an SD memory card.	-	Fixed.		
			x	-	-	Changed the company name in the plug-in software Active X to the new one.		
Ver4.70 (4.50.38) March,'21	C					Except Chinese market models, WV-X8570NH		
				x		-	-	Enabled both digital certificates "Digicert" and "GlobalSign". Note: Firmware upgrade does not change the certificate in a camera. <a href="#">Click here for further information in case of SSL communication.</a>
			x		-	-	Improved the [HTTP alarm notification] function as follows: 1. Supports Digest authentication - The camera performs either "Digest" or "Basic" authentication according to the response from the HTTP server when initially accessed without ID and password. 2. Adds an error log for the failure in HTTP server user authentication - Displays "<HTTP alarm notification> authentication error" in the system log when the authentication fails. 3. Supports HTTPS Communication *except WV-X8570NH - Entering "https://" in [Address] enables HTTPS communication.	

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Ver4.70 (4.50.38) March,'21	C				x	Except Chinese market models, WV-X8570NH		Changed the behavior related to bit rate when the communication protocol is changed from "HTTP" to "HTTPS" as below. Previous versions: the camera automatically sets the bit rate to 4 Mbps when the selected one is larger than 4 Mbps. This version or later: the camera does not change the bit rate.	
					x	The RTP timestamp is delayed about 10 seconds per day on a certain video management system.	-	Fixed.	
Ver4.80 (4.50.38) June, '21	C				x			Added the following actions for SD memory card error: - Displays the following alert when a bit rate higher than "8192kbp" is selected in [Max bit rate (per client)*]: "Since the value of "Max bit rate (per client)" of H.265/H.264 recording stream set for "Recording format" is larger than "8192kbps", there is a possibility an abnormality will occur in continuity of recorded video. It is recommended to set it to "8192kbps" or less." - Records SD memory card logs on the [Status] tab in the [Maintenance] page, in the case of loss of recording or abnormal response from an SD memory card - Sends Panasonic alarm protocol "Diag." to the destination servers designated in the [Notification] tab of the [Alarm] page, in the case of abnormal response from an SD memory card	
					x		-	Enhanced security.	
					x				Corrected the camera response to the CGI command "cgi-bin/setdata".
					x		The camera may show a black image. (Occurrence frequency: Rare)	When the setting in [Image capture size] or [Image capture mode] is changed repeatedly.	Fixed.
Ver5.02 (4.60.30) Mar 24	C				x	The image might become greenish.	Continuous operation without powering off and on for more than 4.5 years.	Fixed.	

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