



WV-X6533LN, WV-S6532LN, WV-X6533LNS and WV-S6532LNS Release Note

This document describes software package upgrade for WV-X6533LN(S)/S6532LN(S).
1. Release version: 5.09
2. Release Note Reference Number: X6533LN_019

VER (ActiveX VER) Release Date		Priority Rank Level	Priority Rank Level A: Recommend to apply (Major or serious update) B: When issue happened C: Maintenance timing U: Function /Performance improvement (Not Necessary to update)				Contents		
WV-X6533LN WV-S6532LN	WV-X6533LNS WV-S6532LNS		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver1.00 (4.50.35) July, '19							First production.		
Ver1.01 (4.50.35) Aug., '19					x		The position of the preset position memory may be shifted in the pan direction.	After turning power off and on, also after making position refresh.	Fixed. Please make sure the existing preset positions after upgrading the firmware.
Ver4.20 (4.50.35) Sept., '19		C				x	-	-	Improved accuracy of the privacy mask position at Pan/Tilt.
						x	-	-	Supported multi-browsers other than the Internet Explorer. Some restrictions apply: click here for details.
						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; https://security.panasonic.com/training_support/panasonic_device_integration/snmp-mib/
						x	-	-	Improved so that available to connect with HIKVision recorder by CGI command.
						x	-	-	Improved Pan/Tilt operability when connected to VMS (Video Management Software).
						x	-	-	Failed upgrading firmware by sending a certain CGI command for camera operation under VMS (Video Management Software) environment. Also unable to operate Pan/Tilt.
						x	-	-	Pan/Tilt moves the opposite direction by tapping the right edge etc. on the tablet screen.
						x	-	-	There was a possibility of resource destruction in ONVIF communication.
			x	-	-	Camera may not be able to be found by the ONVIF search.			
			x	-	-	Recording may not stop when changing imaging capture mode.			
			x	-	-	"Auto track" by self-return does not work after losing the object when Lost object search of Auto track = "off".			
			x	-	-	VMD Alarm may not be detected even if crossing the line at the bottom of the screen.			

*: ONVIF is a trademark of Onvif, Inc.

Corrected on Nov. 8, 2019



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Ver4.20 (4.50.35) Sept., '19			C				x	One of the authentications failed and the sound could not be heard when attempting to connect two sessions at the same time.	-	Fixed.
							x	-	-	Added displaying a note on the screen at Service in the DDNS setting screen, when "Dynamic DNS Update" or "Dynamic DNS Update (DHCP)" is selected.
							x	-	-	Improved the characters display in the screen from 2 tones to grayscale for smooth display.
							x	-	-	Added a CGI command to occur alarm; /Set?Func=SoftTrigger or /cgi-bin/Set?Func=SoftTrigger or /cgi-bin/comalarm.cgi
							x	-	-	Added tamper detection information to additional information when using the function expansion software "i-VMD"
							x	-	-	Enhanced security.
							x	Unable to hear audio in both ONVIF and browser when setting the "Interactive(Half-duplex)" at Audio output and streaming AudioBackChannel in ONVIF.	-	Fixed.
							x	Zoom stops momentarily for each Zoom operation by making a PTZ operation with ContinuousMove command of ONVIF.	-	Fixed.
							x	The face best shot image, used to display face search history data in Video Management Software, may not be created properly. (Occurrence frequency: Rare)	-	Fixed.
							x	The camera may restart unexpectedly by displaying live sequence at network recorder while in recording.	-	Fixed.
							x	The patrol stop position may shift by becoming longer exposer time such as at night.	-	Fixed.
							x	The slide-bar for VMD may not be able to be slid.	In Compatibility View mode on Internet Explorer.	Fixed.
							x	Stop position by patrol may shift when the shutter becomes slower, such as at night.	-	Fixed.
							x	The camera may restart due to memory access error. (Occurrence frequency: Rare)	-	Fixed.
							x	Fixed the auto tracking standby display that was displayed as Operation mode display: On. ("AUTO TRACK WAITTING"---->"AUTO TRACK WAITING")	-	Fixed.
							x	The camera may fail in upgrading of firmware, in VMS (Video Management Software) connection environment (sending a certain CGI command for camera control), and become unable to do Pan/Tilt operation or the like.	-	Upgrade the camera with the file of firmware version 4.20 (or later) for a second time.

Corrected on Oct.9, 2019

Added on Nov.25, 2019



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Ver4.22 (4.50.35) Nov., '19		C			x		"Transmission type" and "Multicast address" configured by system configuration tool, may not be saved.	-	Fixed.
						x	-	-	Improved a phenomenon that CPU load might increase after updating for V4.20.
Ver4.23 (4.50.38) Jan., '20		U				x	-	-	Supports multi-browsers Google Chrome, Firefox and Microsoft Edge in addition to Internet Explorer for; - the setup screen of the extension function "i-VMD" - i-VMD frame display on the live image - the face detection frame on the live image
						x	-	-	Changed the company name in the plug-in software Active X to the new one.
Ver4.25 (4.50.38) Mar., '20		C			x		The camera may restart unexpectedly due to the irregularity in the data transmission/receiving process in the memory. (Occurrence frequency: Rare)	-	Fixed.
					x		The camera may restart unexpectedly due to the irregularity in the alive monitoring process. (Occurrence frequency: Rare)	-	Fixed.
					x		The camera may show black images on its "Live" window. (Occurrence frequency: Rare)	-	Fixed.
Ver4.30 (4.50.38) April, '20		B				x	-	-	Added "SNMP trap setting" in [Network] > [Advanced] > [SNMP]. (Click here for detail)
					x		Out-of-focus may occur when "Auto focus" is set to "Off" and the focus is on the preset position.	When irradiating the subject with IR light	Fixed.
					x		-	-	Added a CGI command "/cgi-bin/setup_menu_disp?25fps=1" to make 25/50fps selectable on the "Image capture mode" menu.
					x		-	-	Private zone setting / Patrol setting: Changed the image display format from JPEG to H264/ H265 to make it easier to check the changes on the image.
				x			The camera recognizes a specific PoE+ injector as PoE.	The injector does not support the specification of PoE+ negotiation.	Added a CGI command "/cgi-bin/poe_ctrl?mode=on" to force the camera to start operating on PoE+ injector.
				x		-	-	Improved the response speed of the ONVIF command related to PTZ preset.	

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Added: June, 2020



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Ver4.30 (4.50.38) April, '20		B				x	Live image may not be displayed and keeps showing warming-up warning. (Occurrence frequency: Rare)	When the camera has started in the low temperature out of specification. Then, restart the camera after rising to the temperature within specification.	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 (Click here for detail)
						x	-	-	Changed the URL, QR code and Data_Matrix linked to the support page on the "Support" menu.
						x	Except Chinese market model, WV-S6533LNH		
						x	Installing "CA certificate" opens two installation screens, a small window and a tab.	-	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 model, WV-S6533LNH		
						x	Selecting the image capture size on the "Image" tab may change the bit rate to 3Mbps.	-	Fixed.
							x	-	Changed the default value of ONVIF DefaultPTZTimeout from 2 seconds to 60 seconds.
							x	-	Corrected the coordinate of the transmitted contents in ONVIF Metadata.
				x	-	Enhanced the access restriction function of SNMP v1/v2. (Click here for detail)			

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Ver4.30 (4.50.38) April, '20		B		x			The below phenomena occur: - Fail in acquiring the setting data - Fail in upgrading firmware - Auto-pan does not stop at the time set to stop	Under both of below conditions: - "Maximum shutter" is 6/30s or longer - The shooting subject is dark	Fixed.
						x	-	-	Enhanced security.
						x	-	-	Changed the below default setting. - [Internet mode]: from "OFF" to "ON" (Click here for detail)
						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.			
Ver4.31 (4.50.38) July, '20		B		x		The camera keeps changing the image brightness to low and high alternately until it is rebooted. (Occurrence frequency: High)	When the camera operates continuously with [Image capture mode] set to the default value "30fps mode" for more than approx. 2 years* without being rebooted. * This period will be shortened to approx 1 year for "60fps mode".	Fixed.	
Ver4.50 (4.50.38) Nov., '20		B		x			The camera may reboot. (Occurrence frequency: Low)	Continued operation of the following: - sequence display with a network disk recorder - sequence display with WV-ASM series software when [Live image source] is set to "Camera"	Fixed.
						x	-	-	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 position or area specified in the below operations is misaligned: - click to adjust the center position on the "Live" page - drag the mouse to select a desired area in the main area of Live image (Occurrence frequency: High)	When "Stabilizer" is "On"	Improved the positioning accuracy.

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	Ver4.50 (4.50.38) Dec., '20	-					First production.		
Ver4.60 (4.50.38) Feb., '21	Ver4.60 (4.50.38) Feb., '21	C				x	-	-	Improved the response to the CGI command "/cgi-bin/get_io2" by adding VMD ratio in percentage.
						x	-	-	Changed the default setting of [Transmission priority] to "VBR" when the browser's language is not Japanese.
						x	-	-	Changed the default setting of [Network Settings] in [Setup]-> [Network] page-> [Network] tab, from "Auto(Advanced)" to "DHCP".
						x	Except Chinese market model, WV-X6533LNH		
						x	-	-	Added the On/Off setting for the Secure Real-time Transport Protocol (SRTP) function to the [Advanced] tab in [Setup]-> [Network] page.
						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-X6533LNH - Entering "https://" in [Address] enables HTTPS communication.
						x	-	-	Added the On/Off setting for ONVIF® to the [Network] tab in [Setup]-> [Network] page. (Default : On)
						x	-	-	Added the following note to the "HTTPS" window in [Setup]-> [Network] page-> [Advanced] tab. - When "HTTPS" is selected for "Connection", the maximum bandwidth(bit rate) is limited to 16Mbps.
						x	-	-	Corrected the RTSP protocol for transmitting H.265 images using ONVIF®.
			x			The camera does not issue a terminal alarm. (Occurrence frequency: High)	After the camera issues a terminal alarm, and the user turns off the terminal alarm during the time set in [Alarm deactivation time].	Fixed.	
			x			The camera may reboot. (Occurrence frequency: Rare)	While performing JPEG recording.	Fixed.	
			x			The camera may fail to load preset position when booted. (Occurrence frequency: Rare)	When using the ONVIF® commend "GetPresets" to obtain preset position.	Fixed.	

Added: March, 2021

Added: March, 2021



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Ver4.60 (4.50.38) Feb., '21	Ver4.60 (4.50.38) Feb., '21	C			x		The camera does not display the full-width left parenthesis "(" on the live image.	-	Fixed.
					x		-	-	Corrected a typographical error in German from "Oibjektsuche" to "Objektsuche". Note: "Lost object search" in [Image/Audio] page-> [Image/Position] tab->[Auto track] ->[Auto track setting].
					x		UDP communication may be disconnected depending on the network environment. (Occurrence frequency: Rare)	When transmitting high resolution or high bit rate images.	Fixed.
					x		-	-	Enhanced security.
Ver4.70 (4.50.38) Mar., '21	Ver4.70 (4.50.38) Mar., '21	B				x	Except Chinese market model, WV-X6533LNH		
						x	-	-	Enabled both digital certificates "Digicert" and "GlobalSign". Note: Firmware upgrade does not change the certificate in a camera. Click here for further information in case of SSL communication.
						x	-	-	Enhanced security.
				x			The camera may reboot when connected to WV-ASM300. (Occurrence frequency: High)	When the camera repeatedly receives the requests to start and stop transmission from WV-ASM300 at short interval.	Fixed.
			x			The camera reboots when connected to a recorder. (Occurrence frequency: Rare)	Under both of below conditions: - [Maximum shutter] is set to "Max.2/30s" - The recorder is performing sequence display - When using both main monitor and sub monitor	Fixed.	
Ver4.80 (4.50.38) July, '21	Ver4.80 (4.50.38) July, '21	C				x	-	-	Added the following actions for SD memory card error: - Displays the following alert when a bit rate higher than "6144kbps" 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 "6144kbps", there is a possibility an abnormality will occur in continuity of recorded video. It is recommended to set it to "6144kbps" 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	-	-	Added the "Download" function to "Viewer software (nwc4Ssetup.exe)" in the [Basic] tab of the "Basic" page.

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Corrected: April, 2021



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Ver4.80 (4.50.38) July, '21	Ver4.80 (4.50.38) July, '21	C				x	-	-	Added "Work as it is when kitting." to the message for abnormal installation during kitting as follows: "Confirm the installation status of the camera and then connect the power again. Work as it is when kitting." Supported languages: English, Italian, French, German, Spanish, Chinese, Russian, and Portuguese.	
						x	-	-	Increased the maximum password length from 32 to 128 characters for "Authentication" in the [Network] page-> [Advanced] tab-> "SMTP(E-mail)".	
					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.
					x			-	-	Corrected the camera response to the "GetVideoEncoderConfigurationOptions" command of ONVIF Profile S.
					x			Image brightness may become unstable and the camera stops auto pannig. (Occurrence frequency: Rare)	When auto pan is enabled.	Fixed.
					x			Unable to upgrade firmware. (Occurrence frequency: Rare)	When failing to upgrade firmware due to a power failure	Fixed.
				x		Unable to issue i-VMD alarm. (Occurrence frequency: High)	When satisfying the following conditions: - i-VMD schedule is configured - Repeat the following steps 11 or more times: 1. Move the direction of the camera to the preset position where i-VMD is configured while i-VMD is enabled on the schedule 2. Move the direction of the camera to the other preset position when i-VMD is not enabled on the schedule	Fixed.		
Ver4.91 (4.50.38) Dec., '21	Ver4.91 (4.50.38) Dec., '21	B				x			Added Link Layer Discovery Protocol (LLDP) setting tab to the [Advanced] tab on the [Network] page.	
						x			Added a CGI command to transmit H.265/H.264 stream without NAL unit. Without NAL: "cgi-bin/setdata?H264NONALFLG=1" With NAL (default): "cgi-bin/setdata?H264NONALFLG=0"	
						x		Except Chinese market model, WV-X6533LNH		Supports TLS 1.3. TLS setting has been added to the "HTTPS" window on the [Advanced] tab in the [Network] page.

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Ver4.91 (4.50.38) Dec., '21	Ver4.91 (4.50.38) Dec., '21	B				x			Added the following note under the on/off setting of "Internet mode" on the [Image] tab in the [Image/Audio] page: "When "On" is selected, streams will be transmitted using the HTTP port. When "Off" is selected, streams will be transmitted using the UDP port."		
						x			Added the "Set PC time to the camera" checkbox to the "Date/time" field on the [Basic] tab.		
							x	-	-	Added supported browser information to the camera response to IP Setting Software and the CGI command "getinfo".	
							x	-	-	Changed the alarm name from "Panasonic alarm protocol notification" to "TCP alarm notification".	
							x	-	-	Added Subject Alternative Name (SAN) to the certificate signing request (CSR) for creating an HTTPS server certificate.	
							x	-	-	Added "NTP test" function to the "NTP" window on the [Advanced] tab in the [Network] page.	
							x	-	-	Improved the visibility of camera setting screen as follows: - Removed unnecessary titles - Switched the position of "Next" and "Back" button	
								x	Unable to perform multicast transmission. (Occurrence frequency: Rare)	When the camera is started with the following settings: - "DHCP" is selected for "Network Settings" on the [Network] tab of the [Network] page - "Multicast" is selected for [Transmission type]	Fixed.
						x			Recording loss of some frames may occur in SD memory card recording after receiving an alarm. (Occurrence frequency: High)	When post recording is enabled on the camera.	Fixed.
								x	-	-	Improved the accuracy of time synchronization with NTP server.
						x			The camera returns an error and the settings for face matching function cannot be configured on the camera. (Occurrence frequency: High)	Under both of the following conditions: - Enable face matching function on an NX series recorder. - The HTTP port number on the recorder is larger than 256	Fixed.
								x	The camera may get stuck in the log deleting status. (Occurrence frequency: Rare)	When deleting logs on the log list.	Fixed.
					x	Unable to configure OSD settings using the ONVIF command "SetOSD() tt:OSDConfiguration Token"	-	Fixed.			
					x	Firmware upgrade may fail. (Occurrence frequency: Rare)	When upgrading the camera(s) connected to WJ-NX100.	Fixed.			

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Ver4.91 (4.50.38) Dec., '21	Ver4.91 (4.50.38) Dec., '21	B				x	-	-	Adjusted the Mic input volume on Google Chrome, Microsoft Edge, and Firefox to be equivalent to Internet Explorer.
						x	Long press on [Manual zoom adjustment] button or [Brightness adjustment] button incorrectly starts text input mode on the button. (Occurrence frequency: High)	On the setup menu of "/tab" window for tablet device.	Fixed.
						x	-	-	Changed the default setting of [Overwrite] from "Off" to "On" on the [SD memory card] tab in the [Basic] page.
						x	Except Chinese market model, WV-X6533LNH	-	Modified the French description on the [User. Auth] tab and [Host auth.] tab as below: 1. Camera control - From "Com. cam. Vid" to "Contrôle camera" 2. Live only - From "En dir.sl" to "Flux direct"
Ver5.00 (4.60.30) Apr., '22	Ver5.00 (4.60.30) Apr., '22	U				x	-	-	Changed company name from "Panasonic i-PRO Sensing Solutions Co., Ltd." to "i-PRO Co., Ltd."
						x	-	-	Updated SNMP extended MIB: Changed the extended Object ID(OID) from Panasonic(258) to i-PRO(57501). Note: - This change applies only to the products manufactured in April, 2022* or later, and is not applied by firmware upgrade. *Serial number: VDxxxxxx - MIB file and manual are available at the following link: https://i-pro.com/global/en/surveillance/database/i-pro-device-integration/snmp-mib
Ver5.01 (4.60.30) Aug., '22	Ver5.01 (4.60.30) Aug., '22	U				x	-	-	Supports the notification of i-VMD detection area ID as follows: - Added the [i-VMD alarm area information] on/off setting to the [TCP alarm notification] window on the [Notification] tab. - Improved the response to the CGI command "/cgi-bin/get_io2" by adding the detection area ID.
						x	-	-	Removed the [SD memory card images] acquisition function for Internet Explorer (IE) on the [SD memory card] tab, according to the Internet Explorer (IE) end of support.
						x	-	-	Enhanced security.
Ver5.02 (4.60.30) Oct., '22	Ver5.02 (4.60.30) Oct., '22	U				x	-	-	Changed the company name in the GlobalSign digital certificate installed on the camera to "i-PRO Co., Ltd."

*: ONVIF is a trademark of Onvif, Inc.



WV-X6533LN, WV-S6532LN, WV-X6533LNS and WV-S6532LNS Release Note

This document describes software package upgrade for WV-X6533LN(S)/S6532LN(S).
1. Release version: 5.09
2. Release Note Reference Number: X6533LN_019

VER (ActiveX VER) Release Date		Priority Rank Level	Priority Rank Level A: Recommend to apply (Major or serious update) B: When issue happened C: Maintenance timing U: Function /Performance improvement (Not Necessary to update)				Contents		
WV-X6533LN WV-S6532LN	WV-X6533LNS WV-S6532LNS		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver5.05 (4.60.30) Jan. '23	Ver5.05 (4.60.30) Jan. '23	C				x	-	-	Changed company name in the plug-in (ActiveX) software to "i-PRO Co., Ltd."
						x	HTTPS connection is not available until the [Connection] setting is once switched from "HTTP" to "HTTPS", on the HTTPS setting page in the [Advanced] window.	-	Fixed.
Ver5.08 (4.60.30) Nov. '23	Ver5.08 (4.60.30) Nov. '23	U				x	-	-	Improved the productivity at production line.
Ver5.09 (4.60.30) Mar. '24	Ver5.09 (4.60.30) Mar. '24	C				x	The image might become blurry.	1. Other PTZ operation starts while manually zooming 2. #1 occurs frequently	Fixed.

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Important notes for users of Chinese market models only:
1. The face detection function does not work when the frame rate is set to 25fps or 50fps.
2. Stabilizer does not work when the frame rate is set to 60 fps, 50 fps, or 25 fps.