∷i-PRO

This document describes software package upgrade for WV-S3131L/S3111L/S3531L/S3511L/S3532LM/S3512LM.
1. Release version： 5.08
2. Release Note Reference Number： S3531L_025

WV-S3131L/S3111L/S3531L/S3511L/S3532LM/S3512LM Release Note

VER (ActiveX VER) Release Date	Priority Rank Level						**Contents** 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)		
			A	B	C	U	**Issue (Phenomenon)**	**Occurrence condition**	**Correspondence**
Ver4.00 (4.50.35) Mar.,'19							First production.		
Ver4.01 (4.50.35) Feb.,'19	B				x		The oldest recorded data may bot be able to play back.	When the setting of overwrite recording to SD memory card is "On".	Fixed.
					x		Communication may stop even if connected with a PC or switch after starting up by PoE injector or external power supply (24V AC / 12V DC).	-	Fixed.
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	-	-	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. Some restrictions apply: click here for details.
						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	-	-	Added interference detection information to additional information when using the i-VMD function of Extension software.
						x	-	-	Display the license of open source software (OSS) on upgrade screen.
					x		ONVIF communication may become a cause of destroying resources.		Fixed.
					x		-	-	Fixed Session Description Protocol/SDP (IPv6) on ONVIF.
					x		Unable to find ONVIF search.	-	Fixed.
					x		Improved the detection capability of "face with mask" at face detection in cooperation with Facial Recognition Server Software, WV-ASF 950 series and so on.	-	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.
						x	-	-	The camera may restart by encrypting the stream 1 only, selecting audio transmission mode AAC-LC and recording video and audio simultaneously.

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Ver4.11 (4.50.35) July,'19	C				x	The face best-shot image used to display face search history data on Video Management Software may not be created correctly. (Occurrence frequency: Rare)	-	Fixed. Note: The cameras are NOT recommended to use the face best-shot function.
					x	The camera may restart when live sequence display by network disk recorder or Video Management Software without distributing H.264 or H.265 for recording. (Occurrence frequency: Rare)	-	Fixed.
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; https://security.panasonic.com/training_support/panasonic_device_integration/snmp-mib/
					x	-	- (Corrected on Nov. 8, 2019)	Improved so that available to connect with HIKVision recorder by CGI command.
				x		Recording may not stop when changing imaging capture mode.	-	Fixed.
				x		VMD Alarm may not be detected even if crossing the line at the bottom of the screen.	-	Fixed.
				x		The slide-bar for VMD may not be able to be slid.	In Compatibility View mode on Internet Explorer.	Fixed.
				x		The camera may restart due to memory access error. (Occurrence frequency: Rare)	-	Fixed.
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.

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Ver4.23 (4.50.38) Jan.,'20	C				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.
				x		Rebooting may cause the image to be out of focus when the extension function "face best-shot" is enabled.	-	Fixed.
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	-	-	Added a CGI command "/cgi-bin/setup_menu_disp?25fps=1" to make 25/50fps selectable on the "Image capture mode" menu.
			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.

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Ver4.30 (4.50.38) April,'20	B				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		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	-	-	Improved the response when reconnecting in HTTPS connection on Windows 10.
			x			Selecting the image capture size on the "Image" tab may change the bit rate to 3Mbps.	-	Fixed.
			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)
					x	-	-	Enhanced security.
					x	-	-	Changed the below default setting. - [Internet mode]: from "OFF" to "ON" - [Viewer software (nwcv4Ssetup.exe)] - [Smoother live video display on the browser (buffering)] : from "ON" to "OFF". (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.

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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.
Ver4.32 (4.50.38) Aug.,'20	B		x		Unable to connect to the "Viewnetcam.com" service (Occurrence frequency: High)	-	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.
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 dafault 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	-	-	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 - 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)

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Ver4.60 (4.50.38) Feb., '21	C				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 does not display the full-width left parenthesis "（" on the live image.	-	Fixed.
					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	B				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.
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 (nwcv4Ssetup.exe)" in the [Basic] tab of the "Basic" page.

Corrected: April, 2021

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Ver4.80 (4.50.38) July, '21	C				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	Unable to upgrade firmware. (Occurrence frequency: Rare)	When failing to upgrade firmware due to a power failure	Fixed.
Ver4.81 (4.50.50) Sept., '21	U				x	-	-	Changed the digital signature of the viewer software (nwcv4Ssetup.exe) from "Panasonic Corporation" to "Panasonic i-PRO Sensing Solutions Co., Ltd."
Ver4.90 (4.50.50) Nov., '21	U				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"
Ver4.91 (4.50.38) Dec., '21	B				x	-	-	Supports TLS 1.3. TLS setting has been added to the "HTTPS" window on the [Advanced] tab in the [Network] page.
					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.

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Ver4.91 (4.50.38) Dec., '21	B				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.
					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	-	-	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"

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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	U				x	-	-	Improved to display the image transmission log on the [Status] tab in the [Maintenance] page. Clicking the "Confirm" button of [Image transmission log] displays logs on a separate window.
					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	U				x	-	-	Changed the company name in the GlobalSign digital certificate installed on the camera to "i-PRO Co., Ltd."
Ver5.04 (4.60.30) Dec. '22	B		x			The live image may not appear, as the maximum number of users concurrently accessible to the camera decreases.	When satisfying all of the following conditions: - Version 5.01 or 5.02 - [Internet mode] is set to Off (Default=On) - H.264/H.265 transmission	Fixed.
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.

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Ver5.07 (4.60.30) July. '23	C			x		A black line may appear on the image on rare occasion.	- Start the camera - Switch mode from black and white to color	Fixed.
Ver5.08 (4.60.30) Nov. '23	U				x	-	-	Improved the productivity at production line.

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