

This document describes software package upgrade for WV-S8531N.
 1. Release version: 2.04
 2. Release Note Reference Number: S8531N_009

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		
	A	B	C	U		Issue (Phenomenon)	Occurrence condition	Correspondence
Ver1.00 (4.60.03) (4.60.01) April, '21						First production		
Ver1.01 (4.60.03) (4.60.01) April, '21	B		x			The camera reboots. (Occurrence frequency: High)	When both of the following settings are configured on the [Image] tab in [Setup]-> [Image/Audio] / [Image]: - [Smart Coding] - [GOP control] is set to "On(Advanced)" - [Smart Coding] - [Auto VIQS] is set to "On"	Fixed.
				x		"Easy Installation" does not complete and the camera keeps showing "Please wait for a while." until it is rebooted. (Occurrence frequency: High)	When "Upside-down" is set to "On" for all cameras from Cam.1 to Cam.4 in [Setup]-> [Basic] page-> [Basic] tab	Fixed.
				x		The camera stops transmission of Stream(1). It results in the black images on the monitor. (Occurrence frequency: High)	Under all of the below conditions: - The camera is connected to a network disk recorder (WJ-NX series). - [SD backup rec.] is set to "On" in the recorder - "Stream encoding format" of both Stream(1) and Stream(2) has been changed from H.264 to H.265 in the camera setting	Fixed.
					x	The communication between the camera and a network disk recorder (WJ-NX series) or WV-ASM300 temporarily gets disconnected. It results in the black images on the monitor. (Occurrence frequency: High)	Under both of the below conditions: - The camera is connected to a network disk recorder or(and) WV-ASM300 - The recorder and WV-ASM300 are performing sequence display over a long duration	Fixed.
Ver1.02 (4.60.03) (4.60.01) April, '21	C				x	-	-	Supports the change of audio codec IC in a camera. Note: Audio will not work if the camera installed new IC is downgraded to version 1.30 or older.
					x	-	-	Enhanced security.
				x		The audio may not work or the left and right sound maybe reversed. (Occurrence frequency: Rare)	When the camera starts at low temperature.	Fixed.
				x		The camera sends incorrect "Maximum shutter" value to i-PRO Configuration Tool (iCT). (Occurrence frequency: High)	-	Fixed.
					x	The self check result in "Hardware1" under [Setup]-> [Maintenance]-> [Status]-> "Self check" includes "c" even in normal status. (Occurrence frequency: High) Displayed value: 0000-0000-0000-0000-0000-0000-c000-0000-00 Correct value in normal status: 0000-0000-0000-0000-0000-0000-0000-0000-0000-0000-0000-00 (all zeros)	-	Fixed.

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Ver1.03 (4.60.03) (4.60.01) May, '21				x		Unable to set "2 mega pixel [16:9](25fps mode)" in [Image capture mode] from a particular VMS.	-	Fixed.
Ver1.50 (4.60.01) July, '21	C				x	-	-	Added the following actions for SD memory card error: - Displays the following alert when a bit rate higher than "2048kbp" 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 "2048kbps", there is a possibility an abnormality will occur in continuity of recorded video. It is recommended to set it to "2048kbps" 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	-	-	Improved the response to the CGI command "/cgi-bin/get_io2" by adding VMD ratio in percentage.
					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)
					x	-	-	Increased the maximum password length from 32 to 128 characters for "Authentication" in the [Network] page-> [Advanced] tab-> "SMTP(E-mail)".
			x	-	-	Improved the visibility of the [Setup] window by adjusting the color of blue letters.		
				x	-	-	Corrected the camera response to the CGI command "cgi-bin/setdata".	

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Ver1.50 (4.60.01) July, '21	C			x		Playing back the image from the log list may show a black image on the camera browser. (Occurrence frequency: Rare)	When satisfying both of the following conditions: - Perform the playback after recovering from a temporary power failure that occurred during SD memory card recording - Select the log when the power failure occurred	Fixed.
				x		-	-	Corrected the RTSP protocol for transmitting H.265 images using ONVIF®.
				x		-	-	Corrected the camera response to the "GetVideoEncoderConfigurationOptions" command of ONVIF Profile S.
Ver1.51 (4.60.01) Sept., '21	U				x	-	-	Supports the following RTSP URLs for image and audio transmission: - "rtsp://<IP address>/MediaInput" - "rtsp://<IP address>/Src/MediaInput"
Ver1.60 (4.60.01) Dec., '21	B				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	-	-	Supports Message Queueing Telemetry Transport (MQTT) for alarm notification. MQTT setting has been added to the [Advanced] tab on the [Network] page.
					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 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	-	-	Improved the accuracy of time synchronization with NTP server.

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Ver1.60 (4.60.01) Dec., '21	B			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"
				x		Unable to change the [Image capture size] setting of Stream 1 or Stream 2 from Genetec Security Center. (Occurrence frequency: High)	Under the following conditions: - [Stream encoding format] is set to H.265 for Stream 1 - [Stream encoding format] is set to H.264 or H.265 for Stream 2	Fixed.
Ver2.00 (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

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Ver2.01 (4.60.30) Aug., '22	U				x	-	-	Added the note "Use the latest edition of the software product." to the [Upgrade] tab in the [Maintenance] page.
					x	-	-	Added Link Layer Discovery Protocol (LLDP) setting tab to the [Advanced] tab on the [Network] page.
					x	-	-	Enhanced security.
Ver2.02 (4.60.30) Sept., '22	U				x	-	-	Changed the company name in the GlobalSign digital certificate installed on the camera to "i-PRO Co., Ltd."
Ver2.04 (4.60.30) Feb, '23	C			x		Noise appears on the image.	A spotlight is captured on the image under low illuminance condition.	Fixed.

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