

## WV-S1552L, WV-S2552L, WV-S2252L, WV-S1572L, WV-S2572L and WV-S2272L Firmware Release Note

VER (ActiveX VER) Release Date	Priority Rank Level				Contents			
	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence	
Ver1.00 (4.60.03) Nov., '20	-				First production			
Ver1.40 <del>(4.60.04)</del> (4.60.03) Mar., '21  Corrected: July, 2021	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 [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	-	-	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	-	-	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		-	-	Corrected the RTSP protocol for transmitting H.265 images using ONVIF®.
					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.
			x	The audio may not work or the left and right sound may be reversed. (Occurrence frequency: Rare)	When the camera starts at low temperature.	Fixed.		

## WV-S1552L, WV-S2552L, WV-S2252L, WV-S1572L, WV-S2572L and WV-S2272L Firmware Release Note

VER (ActiveX VER) Release Date	Priority Rank Level				Contents			
	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence	
Ver1.40 (4.60.04) (4.60.03) Mar., '21 Corrected: July, 2021	C				X	-	-	Changed the notification message* of frame rate reduction as below: from "Frame thinning display" to "Reduced frame mode"  *Camera displays this message when: - streaming the H.265 / H.264 image - viewing live images in Google Chrome, Microsoft Edge, and Mozilla Firefox
				X		The image capture size "400x300" in H.264 cannot be played back on a certain video management system.	-	Fixed.
				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 ONVIF Interface as below: - Changed the value of "Object ID" in RULE EVENT.
				X		-	-	Corrected the parameter of UtcTime attribute in ONVIF Metadata Analytics Stream.
Ver1.50 (4.60.03) July, '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		-	-	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".
				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.

## WV-S1552L, WV-S2552L, WV-S2252L, WV-S1572L, WV-S2572L and WV-S2272L Firmware Release Note

VER (ActiveX VER) Release Date	Priority Rank Level	Priority Rank Level				Contents		
		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver1.50 (4.60.03) July, '21	C			x		-	-	Corrected the camera response to the "GetVideoEncoderConfigurationOptions" command of ONVIF Profile S.
				x		The operation of extension software stops after its trial period has expired. (Occurrence frequency: High)	When the followings steps are performed during the trial period: 1. Register the Registration key while the extension software is running 2. Keep the camera working without restarting it	Fixed.
				x		Monitor output image becomes black. (Occurrence frequency: High)	When the camera is rebooted after changing the [Date/time display] setting from the initial setting at shipment (On) to "Off"	Fixed.
Ver1.51 (4.60.03) 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"
Ver1.60 (4.60.03) Dec., '21	C				x	-	-	Supports SSH File Transfer Protocol (SFTP) for image transmission. SFTP setting has been added to the [Setup] page.
					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.		

## WV-S1552L, WV-S2552L, WV-S2252L, WV-S1572L, WV-S2572L and WV-S2272L Firmware Release Note

VER (ActiveX VER) Release Date	Priority Rank Level				Contents			
	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence	
Ver1.60 (4.60.03) Dec., '21	C				X	-	-	Added "NTP test" function to the "NTP" window on the [Advanced] tab in the [Network] page.
					X	-	-	Improved the contents of the CGI command "get_capability".
					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.
				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"		



This document describes WV-S1552L/S2552L/S2252L/S1572L/S2572L/S2272L firmware upgrade Info.  
 1. Release version: Version 2.00  
 2. Release Note Reference Number: S2552L-006

April 1, '22  
 i-PRO Co., Ltd.

## WV-S1552L, WV-S2552L, WV-S2252L, WV-S1572L, WV-S2572L and WV-S2272L Firmware Release Note

VER (ActiveX VER) Release Date	Priority Rank Level				Issue (Phenomenon)	Occurrence condition	Correspondence
	A	B	C	U			
Ver2.00 (4.60.30) Apr., '22	U				-	-	Changed company name from "Panasonic i-PRO Sensing Solutions Co., Ltd." to "i-PRO Co., Ltd."
					-	-	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:  <a href="https://i-pro.com/global/en/surveillance/database/i-pro-device-integration/snmp-mib">https://i-pro.com/global/en/surveillance/database/i-pro-device-integration/snmp-mib</a>