Panasonic

This document describes WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L firmware upgrade Info.
1. Release version： Version 1.50
2. Release Note Reference Number：X1551LN-005

June 30, '21
Panasonic i-PRO Sensing Solutions Co., Ltd.

WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L

Version of WV-X1551LN WV-X2551LN WV-X2251L, SDK ver, ActiveX ver	Version of WV-X1571LN WV-X2571LN WV-X2271L SDK ver, ActiveX ver	Priority Rank Level					Contents		
			A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver1.00 (4.60.03) July,'20		-					First production		
Ver1.11 (4.60.03) Oct.,'20		C				x	-	-	Supports version 1.20 of WV-XAE200W Note: When the installed version of WV-XAE200W is 1.00, the camera displays "1.00 (Version error)". (Displayed in [Ext. software] page> [Software mng.] tab> [Software version])
					x		Live image or recorded images of the stream for AI Privacy guard recording partially have green tint. (Occurrence frequency: Rare)	When either of below changes is made: - Register the camera on a recorder - Change the images capture size of "Stream(1)"	Fixed.
					x		The camera may reboot. (Occurrence frequency: Rare)	-	Fixed.
-	Ver1.20 (4.60.03) Oct.,'20	-					First production		
Ver1.30 (4.60.04) Nov.,'20	Ver1.30 (4.60.04) Nov.,'20	C				x	-	-	Added the "Control log" tab to the [Ext. software] window in the camera setting.
						x	-	-	Added "Ext. software mode" to the [SD memory card] tab to enable the extension software to use SD memory card.
					x		Cannot upgrade an extension software larger than 25 Mbyte. (Occurrence frequency: High)	-	Expanded the data size of one extension software from 25 Mbyte to 100 Mbyte.
					x		Motion blur appears on moving subjects such as pedestrians.	Under low illuminance	Improved the visibility by reducing motion blur.
	Already supported in Ver.1.20				x		The contrast of bright areas on the backlit image is low.	When "Super Dynamic(SD)" is ON.	Improved the image quality to enhance the contrast.
					x		AI frames appear in red instead of the correct color green. (Occurrence frequency: High)	Under all of the below conditions: - WV-XAE200W is installed on the camera - "With detected object information (AI frame information)" is selected for [Additional information type] - The schedule for WV-XAE200W has been once switched to "Off" in [Operation content], and then switched back to "Detection program 1" or "Detection program 2"	Fixed.
					x		The position of a detection frame on the live image may be shifted from the one on the setup menu. (Occurrence frequency: Low)	Under both of the below conditions: - WV-XAE200W is installed on the camera - "90 °" or "270 °" is selected for "Image rotation" in the camera setting	Fixed.

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)

Panasonic

This document describes WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L firmware upgrade Info.
1. Release version： Version 1.50
2. Release Note Reference Number：X1551LN-005

June 30, '21
Panasonic i-PRO Sensing Solutions Co., Ltd.

WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L

Version of WV-X1551LN WV-X2551LN WV-X2251L, SDK ver, ActiveX ver	Version of WV-X1571LN WV-X2571LN WV-X2271L SDK ver, ActiveX ver	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
Ver1.40 (4.60.04) March,'21	Ver1.40 (4.60.04) March,'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 [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	-	-	Supports application development using Python. *i-PRO CAMERA SDK needs to be version 1.30 or later for using Python.
						x	-	-	Supports Vieureka Manager which enables the remote management of AI image analysis applications on a camera.
						x	-	-	Improved the pop-up message when upgrading the extension software by adding "Upgrade target" and "Caution", to prevent accidental deletion by selecting wrong extension software.
						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	-	-	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.

Panasonic

This document describes WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L firmware upgrade Info.
1. Release version: Version 1.50
2. Release Note Reference Number: X1551LN-005

June 30, '21
Panasonic i-PRO Sensing Solutions Co., Ltd.

WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L

Version of WV-X1551LN WV-X2551LN WV-X2251L, SDK ver, ActiveX ver	Version of WV-X1571LN WV-X2571LN WV-X2271L SDK ver, ActiveX ver	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
Ver1.40 (4.60.04) March,'21	Ver1.40 (4.60.04) March,'21	C				x	Opening [Software mng.] tab in the [Ext. software] page displays the following message: "{""faultCode"":""4"",""faultString"":""Invalid Process ID""}".	Under either of below conditions: - While changing the setting of the extension software - When the operation schedule of the extension software is set to "Off"	Improved the visibility of the message as below: "Cannot access because the ext. software is not running. Check if "ON" is selected for the "Operation sched." setting of the ext. software. Check also the running conditions of the ext. software. Note that access may temporarily be disabled during the setting change. In this case, please wait for a while and execute again."
						x	The audio may not work or the left and right sound may be reversed. (Occurrence frequency: Rare)	When the camera starts at low tenperature.	Fixed.
						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 Moriza Firefox
						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 (SDK: V1.40) (ActiveX: 4.60.04) June,'21	Ver1.50 (SDK: V1.40) (ActiveX: 4.60.04) June,'21	C				x	-	-	Improved OSD by adding the followings: 1. [Camera title on screen] - Increased the maximum character length from 20 to 40 - Increased the maximum number of lines from 1 to 2 2. [OSD] - [Character size] - Added "50%" and "75%" to the setting values 3. Added a new setting item "[OSD] - [Display style]" to select "Transparent" or "Opaque" for the letter style
						x	-	-	Added SDK version to the [Software mng.] tab in the [Ext. software] page as below: - Displays SDK version of the camera in "SDK version" under "Unique information" - Displays SDK version of the extension software in "Software version" of each extension software information
						x	-	-	Supports analytics module command for ONVIF®.

Panasonic

This document describes WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L firmware upgrade Info.
1. Release version： Version 1.50
2. Release Note Reference Number：X1551LN-005

June 30, '21
Panasonic i-PRO Sensing Solutions Co., Ltd.

WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L

Version of WV-X1551LN WV-X2551LN WV-X2251L, SDK ver, ActiveX ver	Version of WV-X1571LN WV-X2571LN WV-X2271L SDK ver, ActiveX ver	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
Ver1.50 (SDK: V1.40) (ActiveX: 4.60.04) June,'21	Ver1.50 (SDK: V1.40) (ActiveX: 4.60.04) June,'21	C				x	-	-	Installs the following extension software after upgrading to this version or later: - AI-VMD - AI Privacy Guard *Installation will not be performed when any of extension software applications is already installed in the camera.
						x	-	-	Supports the audio detection function including "AI audio classification".
						x	-	-	Supports the following new extension software: - AI Face Detection - AI People Detection - AI Vehicle Detection
						x	-	-	Added the "Grid display" function to the live image on the camera browser.
						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		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 camera response to the "GetVideoEncoderConfigurationOptions" command of ONVIF Profile S.

Panasonic

This document describes WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L firmware upgrade Info.
1. Release version: Version 1.50
2. Release Note Reference Number：X1551LN-005

WV-X1551LN/ WV-X2551LN/ WV-X2251L/ WV-X1571LN/ WV-X2571LN/ WV-X2271L

Version of WV-X1551LN WV-X2551LN WV-X2251L, SDK ver, ActiveX ver	Version of WV-X1571LN WV-X2571LN WV-X2271L SDK ver, ActiveX ver	Priority Rank Level					Contents		
			A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver1.50 (SDK: V1.40) (ActiveX: 4.60.04) June,'21	Ver1.50 (SDK: V1.40) (ActiveX: 4.60.04) June,'21	C			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		The transmission of target stream for AI Privacy Guard may stop after powering off and on the camera. (Occurrence frequency: Rare)	When satisfying both of the following conditions: - AI-VMD is enabled on the camera - Recording the images of the target stream for AI Privacy Guard on an SD memory card	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.

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)

X1551LN−005