Panasonic

This document describes WV-SFV130(M)/SFV110(M)/SFN130(H)/SFN110 firmware upgrade Info.
1. Release version： Version 4.10
2. Release Note Reference Number：SFV130-013

June 7, 2019
Panasonic Corporation

WV-SFV130(M)/SFV110(M)/SFN130(H)/SFN110 Firmware Release Note

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	
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		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver2.40 (4.38.08) Apr.,'16	-					First production.		
Ver2.41 (4.38.08) May.,'16	U				x	Due to factory reason.		
Ver2.42 (4.38.08) May.,'16	U				x	Supported Chinese market models (WV-SFV130H, WV-SFV110H, WV-SFN130H and WV-SFN110H).		
						-	-	Improved white balance performance at outdoor under Flicker less and Super Dynamic(SD) = "On".
Ver2.43 (4.38.08) May,'16	C			x		Except Chinese market models (WV-SFV130H, WV-SFV110H, WV-SFN130H and WV-SFN110H).		
						Unable to connect the cameras by the HTTPS protocol.	After turning power off and on if the connection protocol were configured in "HTTPS" and using with the Root Certification Authorities (CA).	Fixed.
Ver2.50 (4.39.00) July,'16	C				x	-	-	Added choices of "Bandwidth control(bit rate)". 1024kbps/15360kbps/20480kbps/25600kbps/30720kbps/35840kbps/40960kbps/51200kbps
					x	-	-	Added choices of "On(Mid)" and "On(High)" to "Smart Coding mode".
					x	-	-	ONVIF®: Supported "WS Addressing".
					x	-	-	Added information about place of product destination and model number with suffix to the reply of CGI command "/cgi-bin/getinfo".
					x	-	-	Updated hyperlink to the web sites of support.
				x		Layout of image display may be collapsed.	By inputting "</script>" at input-field.	Fixed.
					x	-	-	Corrected the vulnerability by upgrading OSS for NTP; [Prev.] ntp-4.2.6 p4 [New] ntp-4.2.8 p7
				x		Confirmation window would not appear even if "Bandwidth control(bit rate)" to be set less than "Max bit rate (per client)".	When attempting to set "Bandwidth control(bit rate)" to be set less than "Max bit rate (per client)" on "H.264(2)" through "H.264(4)".	Fixed.
						For Chinese market models (WV-SFV130/WV-SFV110H/WV-SFN130H/WV-SFN110H) only.		
					x	-	-	Changed responses to CGI command "/cgi-bin/get_capability"; - Added 25/50fps at "viqs.support_mode" (a parameter that image capture mode can use VIQS) - Changed text string from "min_framerate.2m_2fps" to "min_framerate.2m_25fps".
				x		The camera may restart, unexpectedly.	In a case, connect/disconnect H.264 streaming , repeatedly.	Fixed.

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Ver2.52 (4.39.00) Dec.,'16	C			x		Replied to the "SetVideoSourceMode" command (ONVIF®).	-	Fixed.
				x		The Real-time Pull-Point Notification Interface did not conform to ONVIF®.	-	Fixed.
					x	-	-	Improved security.
Ver2.53 (4.39.00) Jan.,'17	C			x		Camera picture may become abnormal; - Appear a round-shaped shadow - False color in the entire screen.	In case of heavy CPU load settings like "Audio transmission/reception = Mic input".	Fixed.
Ver2.54 (4.39.00) Mar.,'17 *Added on May 15,2017*	C			x		Unable to work time adjustment function synchronizing with NTP server.	When the difference between the clock and the NTP server is within 5 seconds.	Fixed.
				x		Streaming in RTSP for the network disk recorder, Model WJ-NX400, may stop.	In case of operating continuously.	Fixed.
				x		Refresh interval may be switched to ″8s″, unexpectedly.	By changing "Transmission priority" of H.264 for the options other than "VBR", initiated by PSSCT or WJ-NV300 only if it is the first time from the installation of the camera.	Fixed.
Ver2.56 (4.39.23) Oct.,'17 *Added on June 5,2017*	U				x	-	-	Changed company name to the new company name in the plug-in (ActiveX) software.
					x	-	-	Updated the URL of support website displayed on screen.
Ver2.57 (4.39.23) Oct.,'17						For WV-SFN130H only. First production.		
Ver2.58 (4.39.23) Mar.,'18	C				x	-	-	Improved security.
					x	-	-	In CGI command of "get_io2", added new parameter "3" for "format" so that possible to obtain Command alarm / i-VMD information.

					x	-	-	Added new Panasonic alarm notifications as follow;
								  SD-MEMORY WRITE ERROR
								  SD-MEMORY READ ERROR
								  SD-MEMORY DELETE ERROR
								  SD-MEMORY FILESYSTEM ERROR
								  SD-MEMORY OTHER ERROR

					x	-	-	Discarded a restriction that only "Unicast port (AUTO)" in RTSP transmission would be available when "Transmission type" is "On".
				x		Leaked POST connection.	in a case of disconnect network in "over HTTP" for 2 and half minutes or more.	Fixed.
				x		Image capture size may become incorrect.	By setting Image capture size from Image Viewer.	Fixed.
					x	Administrator password may be deleted.	-	Fixed.

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Ver2.60 (4.39.23) Jun.,'18	C				x	-	-	Changed factory default setting for Authentication method; Previous: "Digest or Basic" New: "Digest" — For more details: security_upgrade_June2018.pdf
					x	-	-	Changed password policy that it must include at least 3 types of characters among "upper case letters / lower case letters / numbers / symbols". For more details, click here. Note: Original passwords and authentication method of products on the system are kept unchanged even firmware and software have been updated. — For more details: security_upgrade_June2018.pdf
					x	-	-	Added user authentication at host authentication.
					x	Except Chinese market models (WV-SFV130H, WV-SFV110H, WV-SFN130H and WV-SFN110H). — -	-	Became saving history of login failure into system log.
					x	-	-	Changed saving setting data with encryption. Note: unable to restore the setting data if you would downgrade the firmware.
					x	-	-	Made some other security measures enhanced.
					x	-	-	Added "Drawing method", "Decoding options" and "Frame Skip Options (When PC is Heavy Processing Load)" onto plug-in software.
					x	-	-	Changed factory default setting for transmission rate: Previous: Unlimited New: 51200kbps
				x		If an RTSP header contains two or more User-Agent headers. no HTTP400(Bad Request) error returned and ignore the second and subsequent User-Agentheaders.	-	Fixed.
Ver2.70 (4.39.23) Sept.,'18	C				x	Frame rate may drop.	By transmitting JPEG live images continuously over 1 year without being rebooted.	Fixed.
Ver4.00 (4.39.23) Feb.,'19	C				x	May not be able to change the save destination at the time of FTP periodical transmission error.	-	Fixed.
					x	ONVIF RTSP Multicast transmission may not work.	-	Fixed.
					x	-		Improved to link HTTP alarm function with "HTTP max segment size" setting in "Network setting"
					x	-		ONVIF: Supported DTT v18.06.
					x	Except Chinese market models, WV-SFV130H, WV-SFV110H, WV-SFN130H and SFN110H. — -	-	Enhanced security.

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Ver4.00 (4.39.23) Feb.,'19	C			x	-	-	Changed the URLs of hype-link destination according to change of support page URL (from "http" to "https").
					For Chinese market models, WV-SFV130H, WV-SFV110H, WV-SFN130H and SFN110H only.		
			x		-	-	Changed factory default settings as follow; - Internet mode (over HTTP) from "On" to "Off" - Image capture mode from 30fps to 25fps, SD from "Off" to "On" - Date/time display format from "DD/MM/YYYY" to "YYYY/MM/DD" - Time zone from "GMT+00:00" to "GMT+08:00"
			x		The recorded data of the log one before the relevant time might be downloaded when downloading the recorded data from the log list.	-	Fixed.
			x		Camera may restart unexpectedly while receiving ONVIF command continuously.	-	Fixed.
				x	-	-	Changed the responce of "/cgi-bin/get_io2?format=3&"; It became not to notify CGI response each time even if detecting command alarm continuously.
			x		Camera may restart when a file which cannot be deleted were created during JPEG overwrite recording on the SD memory card.	-	Fixed.
			x		When deleting SD card data on the log list screen, data that can not be deleted may be left while displaying the play window.	-	Fixed.
			x		Communication error may occur while connecting with WJ-NX series recorders. (Occurrence frequency: Rare)	-	Fixed.
			x		Transmission type (H.264/H.265) and image capture size of stream may not be changed (transmission type and image capture size hold before change).	If those were changed within 2 minutes after the network had been disconnected with over RTSP connection.	Fixed.
			x		Solid black screen may appear during sequencing with the network disk recorder due to it takes time to output the video.	-	Fixed.
					Except SFN110 and SFN110H.		
			x		Camera may reboot, unexpectedly.	When sequencing the network disk recorder or the video management software (WV-ASM series)	Fixed.
					Except SFN110 and SFN110H.		
			x		Camera may reboot, unexpectedly.	By downloading the SD memory backed up data with the network disk recorder	Fixed.

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Ver4.10 (4.39.23) 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 an ONVIF command, "DeviceIO:GetVideoSources".
				x		-	-	Added a note in the window of DDNS setting page when using "Dynamic DNS Update", "Dynamic DNS Update(DHCP)".
					x	For Chinese market models only		
						-	-	Changed factory default setting of the time zone to Chinese Standard Time(CST）, UTC+8.
					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	-	-	The file may not be found by opening the log list during overwrite recording of the SD memory card and attempt to browse.