

WV-SUD638, WV-SUD638-H, WV-SUD638-T and WV-SUD638B 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		
WV-SUD638	WV-SUD638H		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver2.46 (4.39.00) Sept.,'16		-					First production.		
Ver2.47 (4.39.00) Oct.,'16		C				x	-	-	Improved the performance of the stabilizer: - Improved the effectiveness of the stabilizer. - Improved by shortening the time for stabilizing (from approx. 5 sec. to 3.5 sec.) after controlling PAN/TILT.
						x	-	-	Improved the auto-focus function: - Improved the convergence speed of autofocus in low light condition. - Improved the performance of autofocus in low light condition even if the setting of AGC were in "Mid" or "Low".
					x		Fixed an issue at the CGI command as follow to receive the status of heater. /cgi-bin/check_heater	In a case starting up at temperature -30 deg. Or lower and displaying "WARMING UP".	Fixed.
						x	-	-	Improved (fixed) ONVIF® commands as follow; - IR LED lights up even if the Day & Night(IR) were switched to AUTO by OnVIF command. - Made the "Day & Night(IR)" to be switched to "Auto2(IR Light)" while the "Day & Night(IR)" were in other than "Off". - Improved IR LED Light setting to be able to set by OnVIF command.
Ver2.48 (4.39.00) Jan.,'17		C				x	Live image in 16:9 may be displaying vertically elongated.	Image capture size were either 1920x1080 or 1280x720 only.	Fixed.
						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.
Ver2.50 (4.39.00) Feb.,'17		C				x	Pan/Tilt operation may stop, unexpectedly. (Occurrence frequency : High)	When making zooming repeatedly while moving pan/tilt continuously.	Fixed.
						x	Auto pan (settings of Dwell time, Speed, Endless panning) may not work that you expected when the Image stabilization is enabled accidentally (Because this combination is not supported).	Stabilizer="On" and the range of auto panning contains a certain panning position; - Stationary or Pole installation: 175-degree - Ceiling installation: 185-degree	The Image stabilization mode will be switched to "Off" automatically during the Auto pan works.
					x	Refresh interval may be "8s", unexpectedly, by changing the transmission type of H.264 images.	If the both of following were true; 1. The settings of "Transmission of H.264 images" nor "Refresh interval" have never been changed from settings menu (including the cgi-command of "/cgi-bin/setdata"). 2. "Refresh interval" has never been changed from recorders or tools (including the cgi-command of "/cgi-bin/set_h264").	Fixed.	

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Ver2.51 (4.39.00) Mar.,'17	Added on Mar. 29, 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		Focus may be blurred when the autopan is activated at night.	Depending on the installation environment (subject).	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) Sept.,'17	Added on June 6, 2017	C				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.
					x		Script error may occur by clicking the "Set" button at "Recommended network setting for internet" in Configure the Internet settings [Internet].	-	Fixed.
					x		Unable to control PTZ(Pan/Tilt/Zoom) by Video Management Software with ONVIF® connection.	-	Fixed.
	Ver3.01 (4.39.23) Mar.,'18					First production.	Added on June 12, 2019		
Ver2.58 (4.39.23) Mar.,'18	Ver3.02 (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		-	-	Improved PAN / TILT / ZOOM position accuracy of ONVIF® command.
					x		-	-	Improved possible to obtain PAN / TILT / ZOOM position by ONVIF® command during Panning/Tilting/Zooming.
						x			Leaked POST connection.
				x		PAN/TILT/ZOOM may not work.	By a certain range of speed parameter of ContinuousMove command of ONVIF®.	Fixed.	

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Ver2.58 (4.39.23) Mar.,'18	Ver3.02 (4.39.23) Mar.,'18	C			x		Unable to work manual focus function.	By ONVIF® command.	Fixed.	
						x	Appeared red vertical bar.	When setting "Auto slow shutter" in settings relating to image quality ("Image adjust" setup menu) to anything other than "Off(1/30s)".	Fixed.	
						x	Slowest speed of Panning/Tilting was 0.09 deg/s although it should be 0.065 deg/s according to the specifications.	-	Fixed. Note: Please make sure if the view angle on the patrol function covered enough after the upgrading firmware.	
						x	Image capture size may become incorrect.	By setting Image capture size from Image Viewer.	Fixed.	
						x	Administrator password may be deleted.	-	Fixed.	
Ver2.60 (4.39.23) Jun.,'18	Ver3.10 (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	-	-	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.
	Ver3.10 (4.39.23) Jun.,'18						x	-	-	Changed factory default setting for transmission rate: Previous: Unlimited New: 51200kbps
							x	The front glass froze	Use in cold climates.	Fixed.
							x	Maximum speed of PAN / Tilt did not meet specifications (200deg/s).	-	Fixed.
					x	-	-	Added a function by ONVIF® command to get position while in PTZ.		
					x	Focus did not work.	-	Fixed.		

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Ver2.60 (4.39.23) Jun.,'18 Added on Feb. 5, 2019 Added on Feb. 5, 2019	Ver3.10 (4.39.23) Jun.,'18	C				x	-	-	Improved PTZ control system.
						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.
						x	When obtaining absolute angle by the command of "/cgi-bin/absget" after moving by "/cgi-bin/absctrl", the absolute angle acquisition value of PAN does not match with the value of the above absolute angle setup command.	At stationary installation . . . Install on a concrete stand, etc. (Side wiring)	Fixed.
						x	Temperature compensation at lens may not work correctly and the focus sometimes shifts little by little.	-	Fixed.
Ver2.70 (4.39.23) Sept.,'18	Ver3.11 (4.39.23) Sept.,'18	C				Revised on Nov. 7, 2018 Frame rate and bit rate may drop.	By transmitting JPEG live images continuously over 1 year without being rebooted.	Fixed.	
Ver4.00 (4.39.23) Feb.,'19	Ver4.00 (4.39.23) Feb.,'19	C				x	-	-	Added a function of Overlay image
						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	-	-	Enhanced security.	
	Ver4.00 (4.39.23) Feb.,'19				x	-	-	Changed the URLs of hype-link destination according to change of support page URL (from "http" to "https").	
-						-	-	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"	
Ver4.00 (4.39.23) Feb.,'19	Ver4.00 (4.39.23) Feb.,'19	C				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 response of "/cgi-bin/get_io2?format=3&"; It became not to notify CGI response each time even if detecting command alarm continuously.

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Ver4.00 (4.39.23) Feb.,'19	Ver4.00 (4.39.23) Feb.,'19	C			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.
					x		Camera may reboot, unexpectedly.	When sequencing the network disk recorder or the video management software (WV-ASM series)	Fixed.
					x		For WV-SUD836B only. Camera may reboot, unexpectedly.	By downloading the SD memory backed up data with the network disk recorder	Fixed.
					x		-	-	Improved accuracy of Drug-and-Zoom function.
		x				May not reach 90-degree by Click-and-Centering.	-	Fixed.	
Ver4.01 (4.39.23) Apr.,'19	-	C			x	Setting change of JPEG / H.264 screen on Internet Explorer (IE8) may not be done due to "500 Internal Server Error".	-	Fixed.	
Ver4.10 (4.39.23) June,'19	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 a note in the window of DDNS setting page when using "Dynamic DNS Update", "Dynamic DNS Update(DHCP)".
					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.	

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Ver4.10 (4.39.23) June,'19	Ver4.10 (4.39.23) June,'19	C				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	PTZ may not stop even if it received stop command in ONVIF.	-	Fixed.
						x	Unable to set the tilt angle to be -30 degrees when the camera is installed on the ceiling.	-	Fixed.
						x	-	-	Improved accuracy of Click-to-Center".
Ver4.20 (4.39.23) Sept.,'19	Ver4.20 (4.39.23) 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; Corrected on Nov. 8, 2019 https://security.panasonic.com/training_support/panasonic_device_integration/snmp-mib/
						x	-	-	Improved so that available to connect with HIKVision recorder by CGI command.
						x	Zoom stops momentarily for each Zoom operation by making a PTZ operation with ContinuousMove command of ONVIF.	-	Fixed.
Ver4.30 (4.39.24) May,'20	Ver4.30 (4.39.24) May,'20	B				x	The camera may show a black image on the "Live" page.	-	Fixed.
						x	Except Chinese market model, WV-SUD638H	-	Improved the response when reconnecting in HTTPS connection on Windows 10.
						x	-	-	Improved the response speed of the ONVIF command related to PTZ preset.
				x			The ONVIF command "SetHomePosition" does not work.	When the parameter in "Self return" in the [Cam. Function] tab is other than "Off".	Fixed.
						x	-	-	Changed the default value of ONVIF DefaultPTZTimeout from 2 seconds to 60 seconds.
						x	-	-	Changed the company name in the plug-in software Active X to the new one.