

## WV-S1432LH/S2532LH/S2132LH/S2132H Firmware Release Note

WV-S1432LH WV-S2532LH WV-S2132LH WV-S2132H	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
Ver1.44 (4.50.14) June, '17	-					First production.		
Ver1.45 (4.50.14) June, '17	C			x		Not working VMD function after a power cycle (turned power off then on) even if the VMD setting were activated.	On firmware version 1.44.	Fixed.
Ver1.46 (4.50.14) June, '17	U			x		Due to factory reason. This is to improve the face recognition function which is recommended only for the other WV-Sxxxx cameras only.		
Ver1.47 (4.50.14) Sept., '17	C			x		Aborted video transmission in multicast transmission.	When "On" is selected for "Stabilizer".	Fixed.
Ver1.48 (4.50.14) Oct., '17	C			x		Camera picture may be solid black.	-	Fixed.
Ver1.70 (4.50.20) Nov., '17	C				x	-	-	Added a support page and so that it possible to access to support page by QR code.
					x	-	-	RTSP distribution abolished the constraint which was only unicast while selecting multicast.
					x	-	-	In CGI command, expanded the parameter of "get_io2". Added response format "3" so that information on sound detection / command alarm / i-VMD could be acquired.
					x	-	-	Profile S compliant service on ONVIF®, made available for streaming in H.265 settings.
					x	-	-	Added a message in the setting screen for SD memory card; "It is not available when "60fps" is selected for [Image capture mode]."
					x	-	-	Changed the hue etc. even if only the brightness were changed.
					x		In Spanish only.	Fixed.
					x			Fixed.
					x		In case outputting log with a long character string.	Fixed.
			x		Camera may reboot by changing image capture mode.	When use with recorder.	Fixed.	

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Ver1.70 (4.50.20) Nov., '17	C			x		Camera may reboot by accessing with a browser other than Internet Explorer (IE).	-	Fixed.
				x		VMD area may not be able to set at second time and after.	-	Fixed.
					x	-	-	Deleted encryption protocol TLS 1.0 for security purpose.
				x		RTSP connection may be disconnected upon receiving an incorrect RTSP request.	-	Fixed.
				x		RSTP connection may be disconnected very rarely by sending RTSP request reception and RTSP response transmission at the same time.	-	Fixed.
				x		-	-	Improved communication quality on video streaming in H.265/H.264.
Ver1.80 (4.50.20) Dec., '17	C			x		-	-	Added SD memory card password lock function.
				x		-	-	Fixed an issue in the cgi command "/Set?Func=Bright&Kind=1&Data=-2"
Ver1.82 (4.50.20) Mar., '18	C					-	-	Changed factory default setting values as follow; 传送模式: 恒定速率 带宽(每个客户端: 3072kbps 音频模式: 音频输出 输入音量: 线路中 AGC(音频): Middle
				x		The specified image capture size may not be obtained even if it were specified with ImageViewer by CGI command.	-	Fixed.
					x	-	-	Improved auto focus convergence speed quicker.
				x		Administrator password may be deleted.	-	Fixed.
1.90 (4.50.20) June, '18	C				x	-	-	Changed factory default setting for Authentication method; Previous: "Digest or Basic" New: "Digest" For more details: <a href="#">security_upgrade_June2018.pdf</a>
					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. <b>Note:</b> Original passwords and authentication method of products on the system are kept unchanged even firmware and software have been updated. For more details: <a href="#">security_upgrade_June2018.pdf</a>
					x	-	-	Added user authentication at host authentication.

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1.90 (4.50.20) June, '18	C				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	-	-	Added "Reboot" to "Schedule".
					x	-	-	Added "<< Latest 100", "Number of pages display" in "Systemlog".
					x	-	-	Added a choice of "2pics/2s" for "Transmission interval" setting of "Transmission mode" in "Best shot function". <b>Note:</b> Concerning the models on this document, no models are recommended to use the Best shot function.
					x	-	-	Changed factory default setting for "Bandwidth control(bit rate)" Previous: Unlimited New: 51200kbps
				x		Communication may be disconnected when acquiring network information with SNMP.	-	Fixed.
					x	Network connection may not be possible due to the MAC address authentication with the network device may not be done properly at startup.	-	Fixed.
			x			Temperature compensation at lens may not work correctly and the focus sometimes shifts little by little.	-	Fixed.
Added on July 27,2018				x	Unable to configure the setting relating to the e-mail notification by the cgi command "reg_mailaddr".	-	Fixed.	
				x	Focusing may not work.	-	Fixed.	
				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	<b>It was usable even if the certificate for using HTTPS has expired.</b>	-	<b>Fixed.</b>		
1.91 (4.50.20) July, '18	C			x	Solid black screen may appear during sequencing with the network disk recorder due to it takes time to output the video.	-	Fixed.	

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1.91 (4.50.20) July, '18	C			x	SD memory backup recording did not stop.	By turning power on / off while SD memory backup recording during connecting with the network disk recorder.	Fixed.
				x	Revised on Sept. 7, 2018 Camera may reboot, unexpectedly.	When sequencing the network disk recorder <b>and</b> or the video management software (WV-ASM series) <b>with "SD memory backup" enabled simultaneously.</b>	Fixed.
				x		By downloading the SD memory backed up data with the network disk recorder	Fixed.
				x	Recording may not retain when restarting camera.	In an environment where the communication state is unstable	Fixed.
				x	Recording may not stop at restoration of communication		Fixed.
Revised on Aug. 9, 2018			x	<b>Did not work</b> Hardware decode of plug-in software <b>may not work</b> when selecting compression method "H.265".	-	Fixed.	
1.92 (4.50.34) Aug., '18	C		x	Frame rate <b>and bit rate</b> may drop.	By transmitting H.264/H.265/JPEG live images continuously over 1 year without being rebooted.	Fixed.	
				x	Camera may restart by disconnecting the camera's LAN cable while transmitting video in UDP.	In AC power operation.	Fixed.
1.93 (4.50.34) Oct., '18	C		x	When Image quality to be set in Motion priority (Frame rate), picture may not be displayed according to the frame rate. (Occurrence frequency : Rare)	-	Fixed.	
				x	ONVIF RTSP Multicast may not be transmitted.	-	Fixed.
1.94 (4.50.34) Nov., '18	C		x	Multicast related settings ("Transmission type" setting and some others) may restore to the factory default settings by upgrading firmware from version 1.82 (or earlier) to version 1.90 (or later).	-	Fixed.	
Ver2.00 (4.50.34) Dec., '18	C			x	-	-	Improved detection capability of "face wearing a mask" at detecting face by Facial Recognition Server Software, WV-ASF950, etc. <b>Note: Not recommended product for Face best shot function.</b>
				x	-	-	Settings of "HTTP max segment size(MSS)" to be relating to the camera action; - JPEG transmission for Face Best Shot - "HTTP alarm notification"

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Ver2.00 (4.50.34) Dec.,'18	C			x		Camera may restart, unexpectedly. (Occurrence frequency: Rare)	In case of high load such as multi-stream transmission at 60fps etc.	Fixed.
				x			By receiving ONVIF command continuously.	Fixed.
				x		Camera may send corrupt AAC-LC data.	When the transmission is delayed due to the network environment etc.	Fixed.
				x		Video distribution may not be possible.	When the configuration of UI setting for Baseline Profile were as follow; - 30fps, H.264, FHD, Other than VBR	Fixed.
				x		Communication error may occur. (Occurrence frequency: Rare)	While connecting with Network Disk Recorder, WJ-NX series.	Fixed.
Ver4.00 (4.50.35) Feb.,'19	C				x	-	-	Added "Overlay Image" function.
					x	-	-	Added "VIQS (Variable Image Quality on Specified area)" function.
					x	-	-	Added a choice of "On(Frame rate control)" to "GOP Control" in "Smart coding".
					x	The refresh interval value may not be reflected in the CGI command as follow; /cgi-bin/set_h264?f_priority=4&nr_framerate=1&h264_bandwidth=64&h264_quality=9&h264_lvop=0.2	-	Fixed.
					x	Black screen may be displayed back while recording H.264/H.265 to SD memory card and turning power Off and On.	-	Fixed.
					x	-	-	Improved resolution feeling in JPEG still image update at multiscreen in full screen display.
					x	May not be able to change the save destination at the time of FTP periodical transmission error.	-	Fixed.
					x	The settings of SMTP server may return before the setting by restarting the camera.	-	Fixed.
					x	-	-	Changed the URLs of hype-link destination according to change of support page URL (from "http" to "https").
					x	Displayed full screen on the main monitor when placing IE on the sub monitor and clicking the full screen display button.	When using the two monitor screens of main and sub.	Fixed.
			x	-	-	Improved the visibility of characters in the date/time screen.		

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Ver4.00 (4.50.35) Feb.,'19	C				-	-	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	-	-	Added a message as follow in the "Schedule" page; "VMD permission" is required when assigning the period to be detected. Setting is not necessary when detection at any time.
						-	-	Changed a message by clicking the Delete button in the log list window to; Delete the log and image as the result of retrieval including the page where log is not displayed. (All of data selected by "Event" and "Recording time" are deleted.)
						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		The area setting of the privacy zone may shift little by little each time clicking the setting button.	-	Fixed.
					x	-	-	ONVIF ProfileT Supported Scope/Scene Change Event, Property/DeviceIO/Metadata Sync.
					x	-	-	ONVIF ProfileT Supported Scene Change Event.
					x	-	-	ONVIF ProfileT Supported ONVIF Event Content Filter.
					x	There was an issue at GetVideoEncoderConfigurationOptions in ONVIF 60fps mode.	-	Fixed.
					x	Camera may restart unexpectedly while receiving ONVIF command continuously.	-	Fixed.
					x	XML may be a syntax error by ONVIF Event command due to the XML namespace prefix was not defined at WS-Addressing.	-	Fixed.
					x	Multicast parameters did not appear in the Milestone stream setting when ONVIF camera was registered in Media 2.	-	Fixed.
				-	-	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 (4.50.35) Feb.,'19	C			x	When one network is disconnected from the network, the same alert screen is displayed for other cameras.	While using multi-screen display.	Fixed.		
				x	Camera may restart when a file which cannot be deleted were created during JPEG overwrite recording on the SD memory card.	-	Fixed.		
					x	-	-	Made Stream(3) available when "On" is set for Stabilizer.	
				x	RTC communication may not be normal in rare cases when turning power from OFF to ON.	-	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	Camera may restart upon receipt of certain CGI commands (those are to change H.264/H.265 1st stream quality / bitrate / resolution without disconnect the stream).	While face detection or face best-shot is enabled.	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	-	-	Improved visibility of "SDREC" button on the window for tablet PC.		
Ver4.01 (4.50.35) Feb.,'19	B			x	The oldest recorded data may not be able to play back.	When the setting of overwrite recording to SD memory card is "On".	Fixed.		
				x	Communication may stop even if connected with a PC or switch after starting up by PoE injector or external power supply (24V AC / 12V DC).	-	Fixed.		
Ver4.02 (4.50.35) Apr.,'19	B		x				After upgrading the firmware from version 2.00 (or earlier) to 4.00 or 4.01, flicker caused by fluorescent light may not be prevented even if setting either "Indoor scene / 室内场景 (50Hz)" or "Indoor scene / 室内场景 (60Hz)" at "Light control mode / 光量控制模式".	-	Fixed.

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Changed encryption method of setting data along with strengthening security.  
[Important Information]  
It is not possible to restore the setting data backed up with firmware version 4.00 (or later) to the camera that operates in version earlier than Ver 4.00.

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Ver4.10 (4.50.35) 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	-	-	Supported multi-browsers other than the Internet Explorer. <a href="#">Some restrictions apply: click here for details.</a>
					X	-	-	Improved smooth text display by changing the texts on the screen from 2 gradations to grayscale.
					X	-	-	Added a CGI command to make an alarm; /Set?Func=SoftTrigger or /cgi-bin/Set?Func=SoftTrigger or /cgi-bin/comalarm.cgi
						-	-	Changed factory default setting of the time zone to Chinese Standard Time(CST), UTC+8.
					X	-	-	Added parameters of get_capability, CGI command, for motorized variable focal lens; - Enable/disable and Magnification of EX-Zoom.
					X	-	-	Added interference detection information to additional information when using the i-VMD function of Extension software.
					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	JPEG frame rate setting display becomes 0.33 fps by changing image capture mode rom 25 fps to 30 fps with CGI (/ cgi-bin / setdata? IMG_MODE) although actual transmission rate is 5 fps.	-	Fixed.
					X	-	-	Supported On-Screen Display (OSD) in Chinese.
					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	-	-	Improved responses to ONVIF commands for PTZ cameras.		

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Ver4.10 (4.50.35) June,'19	C			x		PTZ may not stop even if it received stop command in ONVIF.	-	Fixed.
					x	-	-	The camera may restart by encrypting the stream 1 only, selecting audio transmission mode AAC-LC and recording video and audio simultaneously.
					x	-	-	Improved accuracy of Click-to-Center".
				x		Displayed "Approx. 2 min." for an alert of initializing operation.	-	Corrected the display to "3 min".
				x		Displayed "8 min" at upgrading firmware with selecting "Reset the settings to the default after completing the upgrade".	-	Corrected the display to "11 min".

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