

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-S6530N WV-S6530NS	WV-S6130	WV-S6110		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence			
1.32 (4.50.14) July, '17	1.32 (4.50.14) July, '17	-						First production.					
-	-	1.33 (4.50.14) Sept., '17						First production.					
1.33 (4.50.14) Sept., '17	-	-	C			x		Camera may not start up at low temperature.	When using some certain PoE+ compatible switches.	Fixed.			
	1.33 (4.50.14) Sept., '17	-				x		Aborted video transmission in multicast transmission.	When "On" is selected for "Stabilizer".	Fixed.			
1.35 (4.50.14) Oct., '17	1.35 (4.50.14) Oct., '17	1.35 (4.50.14) Oct., '17	C			x		Camera picture may be solid black.	-	Fixed.			
Ver1.70 (4.50.20) Nov., '17	Ver1.70 (4.50.20) Nov., '17	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	-	-	In ONVIF®, improved accuracy of PTZ value up to 5 decimal places.			
							x	For WV-S6530NH and WV-S6130H only			-	-	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	Tilt's coordinates were reversed for ceiling and tabletop installations.	-	Fixed.			
							x	-	-	Changed the hue etc. even if only the brightness were changed.			
							x	Missing display the "VMD / i-VMD" column in i-VMD "Alarm".	In Spanish only.	Fixed.			
							x	The alert message shows "360x or more".	-	Corrected to be "180x or more".			
			x	-	-	Added a message; When using Image capture size of 2048x1536, QVGA, 320x180, the digital zoom may be canceled at 360x or more. As a result of cancelling the digital zoom, camera picture may be distorted.							

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Ver1.70 (4.50.20) Nov.,'17	Ver1.70 (4.50.20) Nov.,'17	Ver1.70 (4.50.20) Nov.,'17	C			x		When setting i-VMD depth, after drawing and registered rectangle, the coordinates of the rectangle would be shifted in the upper left direction when the screen was redisplayed.	-	Fixed.			
						x		At displaying system log, display the log in two lines. Also display shifting the date and time of occurrence and contents column each other.	In case outputting log with a long character string.	Fixed.			
						x		Camera may reboot by changing image capture mode.	When use with recorder.	Fixed.			
						x		Camera may reboot by accessing with a browser other than Internet Explorer (IE).	-	Fixed.			
							x	-	-	Deleted encryption protocol TLS 1.0 for security purpose.			
							x	-	-	Improved Auto Focus speed at normal brightness and low light intensity.			
							x	-	-	Improved for the image at the high luminance part not to saturate over when Super Dynamic "On".			
							x	-	-	Improved EX Zooming speed between preset positions.			
									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.
Ver1.80 (4.50.20) Dec.,'17	Ver1.80 (4.50.20) Dec.,'17	Ver1.80 (4.50.20) Dec.,'17	C				x	Camera may reboot, and communication error on WJ-ND400.	When the stream settings are; - H.264 or H.265 - 5 fps or 1 fps.	Fixed.			
							x	-	-	Improved communication quality on video streaming in H.265/H.264.			
							x	-	-	Added SD memory card password lock function.			
Ver1.81 (4.50.20) Feb.,'18	Ver1.81 (4.50.20) Feb.,'18	Ver1.81 (4.50.20) Feb.,'18	U				x	Upgrading firmware might fail.	-	Fixed.			
												Fixed an issue in the cgi command "/Set?Func=Bright&Kind=1&Data=-2"	
										Improved autofocus during manual zooming.			

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Ver1.82 (4.50.20) Mar.,'18	Ver1.82 (4.50.20) Mar.,'18	Ver1.82 (4.50.20) Mar.,'18	C				x	For Chinese market models only.	-	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.	-
Ver1.83 (4.50.20) Apr.,'18	Ver1.83 (4.50.20) Apr.,'18	Ver1.83 (4.50.20) Apr.,'18	C				x	The stabilizer might not effect.	-	Fixed.
1.90 (4.50.20) June, '18	1.90 (4.50.20) June, '18	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: security_upgrade_June2018.pdf
							x	-	-	Changed password policy that it must include at leased 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	-	-	Except Chinese market model, WV-S6130H.
							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	-	-	Except Chinese market model, WV-S6130H.				
			x	-	-	Added "EAP-TLS" to the EAP method for IEEE802.1x.				
			x	-	-	Added "Drawing method", "Decoding options" and "Frame Skip Options (When PC is Heavy Processing Load)" onto plug-in software.				

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1.90 (4.50.20) June, '18	1.90 (4.50.20) June, '18	1.90 (4.50.20) June, '18	C				x	-	-	Added "Reboot" to "Schedule".			
										x	Except WV-S6530NS.	-	Added a choice of "2pics/2s" for "Transmission interval" setting of "Transmission mode" in "Best shot function". Note: Concerning the models on this document, WV-S6530N and WV-S6530NH are NOT 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.
										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.
Added on July 27,2018						x	It was usable even if the certificate for using HTTPS has expired.	-	Fixed.				
1.91 (4.50.20) July, '18	1.91 (4.50.20) July, '18	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.			
								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 and or the video management software (WV-ASM series) with "SD memory backup" enabled simultaneously.	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.				

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1.92 (4.50.34) Aug., '18	1.92 (4.50.34) Aug., '18	1.92 (4.50.34) Aug., '18	C			x		Did not work Hardware decode of plug-in software may not work when selecting compression method "H.265".	-	Fixed.
					x			Frame rate and bit rate may drop.	By transmitting H.264/H.265/JPEG live images continuously over 1 year without being rebooted.	Fixed.
						x		May not be able to zoom in with multi-screen display by dragging with mouse.	-	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	1.93 (4.50.34) Oct., '18	1.93 (4.50.34) Oct., '18	C			x		Picture may not be displayed according to the frame rate. (Occurrence frequency : Rare)	When Image quality to be set in Motion priority (Frame rate).	Fixed.
						x		The frame rate may be temporarily decreased. (Occurrence frequency : Rare)	During the pan/tilt operation.	Fixed.
						x		The operation speed may slow down and the followability may be decreased.		Fixed.
						x		Operating speed may be slowed.	During the manual zooming.	Fixed.
						x		Focus may shift out.	In an outdoor low light environment	Fixed.
						x		ONVIF RTSP Multicast may not be transmitted.	-	Fixed.
1.94 (4.50.34) Nov., '18	1.94 (4.50.34) Nov., '18	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	Ver2.00 (4.50.34) Dec., '18	Ver2.00 (4.50.34) Dec., '18	C				x	Except WV-S6530NS. For WV-S6530N and WV-S6530NH: Not recommended product for Face best shot function.		
							x	-	-	Improved detection capability of "face wearing a mask" at detecting face by Facial Recognition Server Software, WV-ASF950, etc.
							x	-	-	Settings of "HTTP max segment size(MSS)" to be relating to the camera action; - JPEG transmission for Face Best Shot - "HTTP alarm notification"
						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.				

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