November 29, 2018 Panasonic Corporation

## **WJ-NV300 Firmware Release Note**

Release version: Version 2.30
 Release Note Reference Numbe

. Releas	e Note Referenc	e Number:	NV300_015

VER (ActiveX VER) Release Date	Pı	-	Friority 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)		*: ONVIF is a trademark of Onvif, Inc.		
		AB	С	U	Issue (Phenomenon)	Occurrence condition	Correspondence
1.02 May '14	-				Frist mass-production.		
				х	-	-	Supported Mobile playback function on the application software for iPhone/Android (Panasonic Security Viewer Ver2.1).
4.00				х	-	-	Improved the refresh intervals of H.264 live image at 3ips to be even.
1.03 June '14	С		х		It indicates incorrect Referenced recording days. (Occurrence frequency : High)	In a case QXGA in MJPEG were set on WV-SP509 and 360-degree camera series.	Fixed.
			х		Changed IP address of camera, unexpectedly. (Occurrence frequency : High)	When attempting to register cameras those were exceeding the licensed quantity under the Easy Start.	Fixed not to change IP address, unexpectedly.
				х	-	-	Supported Network Microphone, Model WV-SMR10.
				х	-	-	Supported new cameras as follows; WV-SFN310J, WV-SFN311, WV-SFV311, WV-SFV631LT, WV-SPN611, WV-SPN631
				х	-	-	Added unequally divided screens (3-screen, 9-screen and 16-screen) in Wide view.
				х	-	-	Added "9-screen sequence live" mode in sub monitor.
				х	-	-	Added "On(ACK/RESET) as a choice at "Main monitor action" in "Event setup" of event-related settings.
				х	-	-	Improved zooming operation that was too little movement and too slow on 6-series cameras.
				х	-	-	Expanded available number of simultaneous download from 1 to 2 while using WV-ASM200.
1.10 (5.3.4.0)	U			х	-	-	Clarifying parameters of Image quality for ONVIF® cameras.
Sept. '14				х	-	-	Added a protect to reject incorrect firmware to be installed.
				х	-	-	Improved camera picture looked jumpy by refresh rate while connecting with the cameras as follows;  WV-SFV631L, WV-SFV611L, WV-SFV631LT  WV-SFN631L, WV-SFN611L  WV-SPN631, WV-SPN611  WV-SFV311, WV-SFN311, WV-SFN310J
				х	-	-	Added a dialog window to conform interrupting copy while copying by browser.
				х	-	-	Added firmware version number to be shown in the Maintenance page.
Added on Feb.	17, 2	015	X		I SI I TOM STICS II V	Ina case, running for a long term with many cameras and heavy-load.	Fixed.
				х	-	-	Added new resolutions; 9M(2992x2992), 8M(2816x2816), 4M(2048x2048), 1.6M(1280x1280), WQHD(2560x1440)
				х	-	-	Supported 4K Output at HDMI monitor.
1.20				Х	-	-	Added 2 screen patterns including 1 by 1 aspect ratio in full screen display.
(5.3.11.0) Feb '15	С			х	-	-	Supported new cameras; WV-SFN480, WV-SFV481, WV-SPN310, WV-SPN311 WV-SPN531, WV-SPW611 and WV-SPW631
				Х	-	-	Added a time table for schedule recording.
				Х	-	-	Added marks on calendar display if recorded data were exist on HDD.

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		A E	3 C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
				х	-	-	Added a menu on Maintenance screen to register license keys.
				х	-	-	Added AUX output terminal control on Monitor GUI and browser.
				х	-	-	Added choices of resolution for ONVIF® cameras; FHD(1920x1080), HD(1280x720), HVGAW(640x360), QVGA(320x180)
				х	-	-	Improved accuracy of face matching function.
1.20 (5.3.11.0)	С			х	-	-	Added model numbers of the discontinued cameras (HCM3**, HCM7**, i-PRO(Old) for registration.
Feb '15				х	-	-	Improved zoom image of Fisheye image (zooming by camera and NDViewer) to display whole area including the edge of the screen.
				х	-	-	Improved Mirroring recovery function (Speedup of the restoration processing and adjusting processing priority at the time of the over-load).
			x		"Registered" was not shown at "Status of License registration of Cam.1" on "Advanced face matching alarm setup" in "Event setup"-tab.	-	Fixed.
							Improved removing the restriction (*) on version 1.20.
1.21 (5.3.12.0) Apr '15	U			х	-	-	*: Restriction The camera picture will not be displayed on the multi-screen monitor in the case of displaying the same images on the main monitor and sub monitor, when multi-screen is set for one monitor and 1-screen is set for the other.
1				х	-	-	Added a camera "i-PRO(Unknown)" to detect an unsupported camera.
				х	-	-	Became available "Optional extension for Fisheye network camera" without registering the license.
				х	-	-	Supported new cameras; WV-SC387, WV-SW397, WV-SW397A, WV-SFV781L, WV-SPV781L WV-SFN531, WV-SFR531, WV-SFV531
				х	-	-	Added choices of resolution for recording; 5M(2560x1920) and 4KUHD(3840x2160)
				х	-	-	Expanded Face matching and statistical processing function could be used with two cameras.
				Х	-	-	Added a function, Live sequence in the full screen on the main monitor.
1.30 (5.3.17.0)	С			х	-	-	Added digital zoom function using the mouse wheel during 1-screen display in the full screen.
Aug., '15	$ $			х	-	<del>-</del>	Extended the screen pattern of the main monitor in the 4K output.
				х	-	-	Changed the display method of sub-monitor:  - When displaying images with the aspect ratio of 1:1, the ratio will be maintained regardless of the aspect ratio of the display.  - If "Keep aspect ratio" is selected for "Mode" in the [Sub monitor] tab of the "Monitor" page, the ratio of the camera image will be maintained regardless of the aspect ratio of the display.
				х	-	-	Added 1PTZ/4PTZ mode on 360-degree 9 Megapixel Network Camera.
				х	-	<del>-</del>	Add a menu setting for camera to change black and white setting from the recorder.
				х	-	-	Added an assist function to update time and date setting for the summer time collectively.

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2. Re	lease	Note	Refe	rence	Num	ber:	NV300_	015

VER (ActiveX VER)	iveX VER) Priority Rank		k	Priority Rank Level A: Recommend to apply (Major or serious update) B: When issue happened	Contents		
Release Date					C: Maintenance timing U: Function /Performance improvement (Not Necessary to update)	ite)	*: ONVIF is a trademark of Onvif, Inc.
		Α	в с	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Corrected	on A	ug. 1	3, 201	5	The H.264(2) stream for displaying live picture to be QVGA	While displaying WV-SC384 a camera as follows in 1-screen.	
1.30 (5.3.17.0)	С		х		resolution. (Occurrence frequency : High)	WJ-GXE100,WV-SC384,WV-SF132,WV-SF332, WV-SF342,WV-SP102,WV-SP302,WV-ST162, WV-ST165,WV-SW152/M,WV-SW172,WV-SW174W, WV-SW175,WV-SW352,WV-SW355	Fixed.
Aug., '15			x	ш	Delayed live picture. (Occurrence frequency: High) Added on Aug. 18, 2015	When display 6-screen on Main monitor and 9-screen in sequence on Sub monitor (same cameras with Main monitor).	Fixed.
			х		Lost registered data by re-registration (Occurrence frequency : High) Added on Aug. 18, 2015	After registering a certain number of data for face matching.	Fixed.
				Ш	For European market models only.		
				Х	-	-	Support new cameras; WV-SPW312L, WV-SPW532L
				х	-	-	Support Thai for displaying main monitor and web browser on PC.
				х	-	-	Added error handling when stopping power supply to the external storage device connected to the copy port "COPY".
				х	-	-	Became possible to save the image of playback pause onto the external storage device that is connected to the copy port "COPY".
				х	-	-	Added a function to send camera live image (H.264) over the Internet.  Note: Receive camera live image (H.264) over the Internet are NOT available.
				х	-	-	Improved the desired point of compensated image of the fish-eye image to be stored even if the power were turned off.
				х	-	-	Concerning the Accumulate statistics 2CH mode, improved accuracy of people count function at the time of congestion.
1.40			х	ш	Refreshing images may not be synchronized during playback. (Occurrence frequency : High)	When playback the image of more than 2 seconds of the recording interval in 4 screen.	Fixed.
(5.3.17.0) Dec., '15	С		х		Accuracy of c may be decreased. (Occurrence frequency : High)	If the subject is congested in 2CH mode on face matching and statistical process.	Fixed.
			х	ш	Displayed incorrect HDD capacity. (Occurrence frequency: High)	When 5TB or larger HDD to be used on mirroring mode.	
			х		Changed camera audio setting to be reception. (Occurrence frequency : High)	Ween configured by "Synchronize the camera's settings with this unit".	Fixed.
			х		Live pictures on both main and sub monitors, may delay. (Occurrence frequency : High)	When one of the followings were set; 1) 4-screen sequence on main monitor. 2) Either 9-screen live sequence or 16-screen on sub monitor.	Fixed.
			x	ш	Unable to select 60ips by menu setting on WJ-NV300. (Occurrence frequency : High)	Either the firmware version 1.30 on WV-SFN310, WV-SFN311, WV-SFV311, WV-SPN311, WV-SPW310, WV-SPW311.  Or, attempting to configure setting on WV-SFN310A, WV-SFN311A, WV-SFR310A, WV-SFN310A, WV-SFV310A, WV-SFV310A, WV-SPN310A, WV-SPN311A, WV-SPN311A, WV-SPN311A, WV-SPN311A, WV-SPN311A.	Fixed.
			x	II .	Unable to set mask area. (Occurrence frequency : High)	On WV-SFN310A, WV-SFN311A, WV-SFR310A, WV- SFR311A, WV-SFV310A, WV-SFV311A, WV- SPN310A, WV-SPN311A, WV-SPW311AL	Fixed.

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VER (ActiveX VER) Release Date	Level		Level		Level		Level		Level				•				<u> </u>						•		•				<u> </u>		<u> </u>		-		•		<u> </u>		~		•		•				_		•		•		•		· ·		•		•		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)	te)	*: ONVIF is a trademark of Onvif, Inc.
		АВ	С	U	Issue (Phenomenon)	Occurrence condition	Correspondence																																																								
1.60 (5.3.17.0) Apr.,'16	С			x	-	- Corrected on May 8, 2017	1. Deleted pre-registered User name (ADMIN), and Password (12345).  2. All users must register User name(s) and Password(s) at initial access.  — User name: 1 to 32 characters  — Password; 8 to 32 characters, two or more types of characters among alphabets, numbers and symbols.  Note:  Currently registered User name(s) and Password(s) will NOT be deleted by upgrading firmware, however, you have to register them under the new policy (above "2") after initializing (default reset) by the INITIAL SET button or by the setup menu.																																																								
				х	-	-	Supported new cameras: WV-SFN110, WV-SFN130, WV-SFV110 and WV-SFV130.																																																								
				х	-	-	Supported the Control of the washer and wiper function on WV-SUD638 (scheduled to be released in September 2016 as of July 2016).																																																								
4.70				x	-	-	Changed factory default values on the camera when using with the face matching function and the statistics processing function; - Shutter speed (Light control mode): from "1/250 fix" to "1/100 fix" - AGC: from "On(High)" to "On(Low)"																																																								
1.70 (5.3.17.0) July,'16	С			х			Added a choice of "Priority setting" at the camera image transmission priority in menu settings.																																																								
July, 10				х			Fixed the vulnerability of NTP.																																																								
			х		Playback picture may be intermittent and time may be jumpy.	While playing back on NDViewer.	Fixed.																																																								
	-		x		Unable to copy the recording data of any camera.	Attempting to copy multiple data which has been recorded small data in large quantities from a device at once.	Fixed.																																																								
1.80 (5.3.17.0) April,'17	В		x	x	Live camera picture may be solid black.	In H.264 on H.265 cameras such as; WV-S1111/WV-S1112/WV-S1131/WV-S1132/WV- S1511LN/WV-S1531 Series/WV-S2110/WV- S2111L/WV-S2130/WV-S2131 Series/WV-S2211L/WV- S2231L/WV-S2511LN/WV-S2531 Series	Supported new cameras as follow; WV-V1170/WV-V1330L1/WV-V1330LK/WV-V2530L1/WV-V2530LK/WV-V6430L/ WV-X6511N/WV-X6531N Supported new firmware version 1.40 (or later) on the cameras as follow; WV-S1111/WV-S1112/WV-S1131/WV-S1511LN/WV-S1531 Series/ WV-S2110/WV-S2131L/WV-S2130/WV-S2131 Series/WV-S2211L/WV-S2231L/ WV-S2511LN/WV-S2531 Series  Fixed.																																																								
			х		Playback picture for face matching may be frozen in 10 or 20 seconds.	-	Fixed.																																																								
		х	$\perp$		HDD may be downed.	When turn power off.	Fixed.																																																								
			$\perp$	х	-	-	Improved removing HDD if its responses were delayed in operation.																																																								
			+	Х	-	-	Changed company name to the new company name.																																																								
1.81 (5.3.17.0) August,'17	С				Unable to use wireless mouse.	-	Fixed.  Improved connectivity of wireless mouse.  Notes: Factory does not recommend nor guarantee to use any wireless mouse.																																																								
Added or	n Aug.	31, 20	)17		(Supported the supplied wired mouse only)		Some models of wireless mouse those contain only left/right-click buttons and wheel for scrolling, will work as a mouse of WJ-NV300.																																																								

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		Α	В	) l	U	Issue (Phenomenon)	Occurrence condition	Correspondence
1.81 (5.3.17.0) August,'17	С			]	x	-	-	Changed setting value of digital noise reduction as a command to i-PRO EXTREME cameras when using either face matching function or statistical processing.
1.90					x	-	-	Supported new models, WV-S6111, WV-S6130, WV-S6131 and WV-S6530N.
(5.3.18.0) October, '17	С			2	х	-	-	Changed timing of camera configuration such as turning off Backlight compensation, would be made at the turning off Business Intelligence only.
					х	-	-	Supported new cameras; WV-S4150 and WV-S4550L
2.00			>	ζ		-	-	Made possible H.264 setting to H.265 camera not only for Stream 1, 2 but also Stream 3, 4.
(5.3.19.0) Feb., '18	С		>	κ		Recorder may restart, repeatedly.	It depends on settings of configuration while registering with network Microphone.	Fixed.
			>	κ		-	-	Improved process of data recovery in RAID while connecting with Extension Unit, WJ-HDE400.
2.10				]	х	-	-	Supported new cameras; WV-X4171, WV-X4170 and WV-X4571L.  Note: Streaming from H.265 cameras to WJ-NV300, is limited to H.264 only.
(5.3.19.0) Feb., '18	С		>	ĸ	ı	Live streaming may stop.	While monitoring the multiple live picture (in case of H.264) of WV-S4150/WV-S4550L camera, and more than half of other screens to be set a high load condition such as JPEG high rate live display.	Fixed.
					х	-	-	Supported new cameras; WV-S1550L, WV-S2250L and WV-S2550L.
2.20 (5.3.19.0)	С		>	<	(	Copying recorded data for a long period of time, may fail.	In case of an USB external HDD is used	Fixed.
July, '18						Extension unit(s) may be removed upon upgrading firmware. (Occurrence frequency : Rare)	In case of extension unit(s) is(are) connected.	Fixed.
2.30 (5.3.20.0) Dec., '18	U				х	-	-	Supported new cameras; WV-S3111L/WV-S3131L/WV-S3511L/WV-S3531L.