WJ-ND400, WJ-ND400K Firmware Release Note

This document describes WJ-ND400(K) firmware upgrade Information.

1. Release version: Version 6.10

2. Release Note Reference Number: ND400_033

VER (ActiveX VER) Release Date			y Ra	ınk	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 upda	Contents (te)	*: ONVIF is a trade	mark of Onvif, Inc.		
		Α	в) U	Issue (Phenomenon)	Occurrence condition	Correspondence			
				×	-	-	Supported WV-SF132, 135, -SW152,155. Improved Active-X to make "FF playback "smoother (without dropping fram recording condition. * Improved playback performance of ASM200, etc.	e) under low rate		
				х	-	-	 * Add service functions for service/SE person. 1.Enable to display total count of alarms during 1 hour by CGI command. 2.Enable to store alarm history data for 750 hours. 			
2.50 (5.1.13.0) Nov.'11 Option:V1.02	С		>	(VMD alarm occurs frequently, and set writing mode as OVERWRITE.	Changed "overwrite process logic" to avoid this phenomenon. * Recorded HDD should be formatted with this version (or later) to activate this improvement. * Formatted HDD with this version(or later) should be used under this version HD716/616 (or later).			
Option. v 1.02				Х	-	-	2 kind of firmware(2.40 & 2.4F) are consolidated to into one firmware.			
				х	-	<u>-</u>	Improved a recording rate reliability which is set under SD backup Mode.			
				Х	•	<u> </u>	Improved a reliability of FTP download (Image download from ASM, etc.).			
		FTP download * is forced to stop. * Recorded data download Log download etc. * Recorded data download * Recorded data download		FTP download * is forced to stop. * Recorded data download Log download, etc.	In case of downloading image data from recorder, and trying to do FTP communication(log download ,etc.) by i-Pro Configuration Tool. When FTP communication by i-Pro Configuration Tool was stopped, ASM image download process was forced to stop.	Fixed. * FTP download session is STILL automatically down after 1 hour.(SPECIF	FIC).			
2.52 (5.1.13.0) Nov.'11 Option:V1.02	А	x			All HDDs in Main Unit(WJ-ND400) & Extension unit(WJ-HDE400) might be removed. (Occurrence frequency: Low to Very Rare*) * If ND400 system is not powered ON/OFF daily. We believe ND400 is usually used with LIPS, and Daily power.	[Occurrence timing] 1. Power On (Reboot) 2. Recorder's self reboot 3. Reboot came from outside factor (Temporary blackout) [Applicable serial No. of WJ-ND400,HDE400] May.'11 to Nov.'11 products(KEV***** to KKD*****) [CAUTION] If you use the applicable WJ-HDE400 with ND400, ND400 should be upgraded to Ver.2.52(or later).	Fixed. * Recorded HDD should be formatted with this version (or later) to activate this improvement. * In detail, please refer Service Bulletin of WJ-ND400, HDE400.			
				x	-	-	Supported WV-SW396, SC386, SW316, SW316L, SW314, SP508, SP509, SW558, SW559. BB-SW174W, SW175, SW172, ST165, ST162.	Note:		
				x	-	-	Supported display picture in 16:9 on web browser (Previously available in 4:3 only).	Updating firmware from ver 2.50 (or older) to 2.52 (or		
				х	-	-	Made possible to Create/Delete/Change for same/lower level of users/hosts only.	newer) takes		
3.00 (5.1.16.0) Mar.,'12 Option:V1.07	В			x	-	-	Added/revised the followings on ND_Viewer; 1. Renew designing. 2. Auto-loading: When starting the viewer, search recorded data automatically and playback from oldest data. 3. Support multi-aspect ratio: Selectable among 3 aspect ratio for picture screen. 4. Added smooth playback mode: Available full frame playback in Fastforward at Step 2 and 3 out of 3 steps. 5. Full screen display: Available to choose full screen of PC monitor.	-much longer than previous.		
)		FTP Download data by ASM Series etc. may be shorter than specified period.	FTP Download on version 2.04 or newer)	Fixed to download correctly.]		
			х		,	While sequence is working in MPEG/H.264 on AS Series with heavy load on ND400 (such as lots of VMD etc.).	Fixed not to restart.			

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		Α	В	U	Issue (Phenomenon)	Occurrence condition	Correspondence			
3.00				x	-	-	Improved reliability not to restart by overload like exceeding restrictions about maximum streaming of VMD and audio.			
(5.1.16.0)	В			х	-	-	Updated the table for Daylight Saving Time (Summer time).			
Mar.,'12 Option:V1.07				x	<u>-</u>	-	Http://(IP address)/cgi-bin/vmdmaskduration.cgi?MASK=* (*=1. 3. 5 or			
			:	x			Fixed to be able to install properly.			
				х	-	-	Added choices at DDNS setting; Previous: Off/On New: Off/Viewnetcam.com/Dynamic DNS Update			
							On, ND_Viewer, supported displaying Dot by dot and saving JPEG.			
3.10				x	-	-	Note: Dot by dot A dot on playing back device will be shown as a dot on displaying device. This means that it will not be enlarged or shrunk to fit displaying device.			
(5.1.16.0) July,'12	U			x	-	-	Added a function for PS-API and became managing stream ID.			
Option:V1.07				x	-	-	Improved maintenance function as follows; 1. Log for configuration Latest 5 setting histories will be stored to find incorrect configuration. 2. Added a cgi command to obtain period of recoding. Recording period on each HDD will be obtained. 3. Added a function to store model number of HDD in the internal log. 4. Added an operation to initialize the html contents. To make initializing the html contents.	Note: Updating firmware from ver 2.50 (or older) to 2.52 (or		
				x	-	-	Support HDD of Advanced Format.	newer) takes much longer		
				х	-	-	Added parameters for ONVIF® (V1.02) cameras.	than previous.		
				x	-	-	Supporting RTSP over HTTP between cameras and recorders, makes possible to connect with i-pro cameras in Internet. Note: This is for a certain customer only.			
				x	Reboot, unexpectedly.	Power OFF and ON under RAID environment.	Fixed not to reboot by correcting firmware for the internal RAID board and optional board.			
3.20				Х			Supported H.264 (Audio G.711) on AXIS camera. Supported to display resolution of n3r on ND_Viewer.	-		
(5.1.16.0) Oct.,'12	С			Х			Note: This is for a certain customer only.			
Option; V1.20)			х			Supported WV-SF538/SF539/SF548/SF549.			
				х			Added Off, 40000H and 50000H as parameter for hour meter settings			
				T x			Made not to close session even if HDD were switched while RAID			
				X	Playing back will be quitted and live picture will be displayed approx. 10 sec. even if playing back FTP downloaded n3r files. (Occurrence frequency: High) Unable to playback the FTP downloaded n3r files. (Occurrence frequency: High) Unable to FTP download. (Occurrence frequency: High)	It occurs when recording HDD is switching from HDD(A) to HDD(B).	environment to avoid other user receive solid black picture on ASM series. Fixed to playback or FTP download properly.			

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		Α	В	Cι	J	Issue (Phenomenon)		Occurrence condition	Correspondence		
(5.1.16.0) Mar., '13 Option;	В		х		ar	/rite Error, Read Error or HDD SKIP might occur even HDDs re all fine. (Occurrence frequency: Low to Rare*) * May differ depend on HDD model type.	Ver.3.2	running under RAID operation mode, Firmware 20 with AF(Advanced Format) type HDD sically defected HDD shall not be applied in this	Improved <u>robust stability</u> under RAID operation mode. Even if HDD error may occur (Write-Error/Read Error/HDD Skip) (<u>Only for Ver.3.20</u> . Limited released. Please use Ver.3.30)		
				>	×	-		-	Supported WV-SF438, SW458, SW458M, WJ-GXE100. * See readme.txt on bundled CD of 360-degree dome cameras.		
3.30				>	x	-		-	Supported SD memory recording function on H.264 camera.		
(5.2.0.0) Apr.,'13 Option; V1.20	U			>	X	-		-	Enabled to display SD card info. & SD card backup progress on SETUP menu. (Camera Software, SD card model No., Working Hours, Over write times, Backup progress) Enabled to register 2 NTP server address.		
				\ \ \ \ \ \ \ \	x x	<u>-</u>		<u> </u>	Improved the performance for H.264 drawing more smoothly on the viewer software.		
				,	×	-		-	Supported new cameras as follow; Full HD PTZ: WV-SC588, WV-SW598 Fixed dome: WV-SF138, WV-SW158		
				X	x	-		-	Added the alarm history relating to the i-VMD of the camera. Intruder detection: Camera alarm (Intruder detection) Loitering detection: Camera alarm (Loitering detection) Direction detection: Camera alarm (Direction detection) Scene change detection: Camera alarm (Scene change detection)	Note: Updating	
3.40 (5.2.2.0) Aug.,'13 Option;	С			>	×	-		-	The compensation function is available only when the library file for compensation is downloaded from the URL below and installed on the PC	firmware from ver 2.50 (or older) to 2.52 (or newer) takes much longer than previous.	
V1.20				×	x	-		-	Supported SD card memory backup fro H.264 recording by 360-deg cameras. Note: The cameras must be installed firmware version 1.40 or newer.		
				>	x	-		-	Added a function for the data backed up by SD memory to transmit onto recorder by manual.		
)	x	-		-	To prevent unexpected reboot, clicking [SET] key at each setup menu in service mode will be ignored when selecting "NO".		
)	x _	-		-	Added sending a notification when the new HDD or an extension unit was linked.		
				>	x	-		-	Improved displaying the RAID restoration progress.		
				\	×	-		-	Improved the log-in screen in browser The default cursor position is set in user name column The login is conducted by [Enter] key at keyboard.		
				х			In case IE9/IE1	e, switching live picture approx. 20 times on 0.	Fixed the issue will not occur.		

WJ-ND400, WJ-ND400K Firmware Release Note

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1. Release version: Version 6.10

2. Release Note Reference Number: ND400_033

November 29, 2018 Panasonic Corporation

VER (ActiveX VER) Release Date			y Ra vel	nk	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 upon	date)	Contents *: ONVIF is a trademark o			
		Α	вс	U	Issue (Phenomenon)		Occurrence condition	Correspondence		
			х		Camera control buttons can be used for only one direction. (Occurrence frequency : High)		e PT buttons on Camera control panel under t Explore 10.	Fixed it works, properly.		
3.40 (5.2.2.0)			x		No matching at VMD Search. (Occurrence frequency : High)	Only re	cording events with 200 sec or longer intervals.	Fixed it works, properly.		
Aug.,'13 Option; V1.20	С		х		MIB information of SNMP did not change even if data transmission error would occur. (Occurrence frequency: High)	camera	, data transmission error at ONVIF® connected is and/or cameras setting SD memory card for H.264 recording.	Fixed to return correct parameters.		
Added on Oc	t. 15,	2013	×		Unable to record audio even if audio were input and recording audio were enabled in settings. (Occurrence frequency: High)		se switching audio recording ON and OFF in le recording.	Fixed to record audio, properly.		
Added on Jar	Added on Jan. 27, 2014				Playback may not be done in a certain period (Recording hour seems shorter). (Occurrence frequency : Low)	ON. In a cas HDDs v	y backup is "ON"), HDD SKIP ERROR appears vill not be logged) and unable to playing back in a	Fixed to playback, properly. Fixed to keep recording and playback, properly.		
				x	-		-	Changed software due to Main CPU changed. Note: New hardware that contains Main CPU requires new IPL and does not accept firmware version 3.40 or older.	Note: Updating firmware from	
4.01				х	-		-	Supported changing model numbers of camera for Japanese market from DG-xxxx to WV-xxxx.	ver 2.50 (or older) to 2.52 (or newer) takes	
(5.2.2.0) Nov.,'13 Option; V1.20	С		х		 Response in operation feels slow. Unable to use cursor buttons on front panel. Browser (IE) freezes. It restarts after "1" through "3", above. (Occurrence frequency: High) 	Attemp	ting to view unauthorized camera.	Fixed.	much longer than previous.	
			х		Post-event-recording may not start. (Occurrence frequency : High)	condition 1. Switch between	post-recording will not done under the either on as follow; ching recording schedule on external recording n "External recording" and "Daily". ching event recording from none to exist.	Fixed.		
			х		Controlling Pan/Tilt on BB-HCM580/HCM581 makes unexpected direction. (Occurrence frequency : High)	In a cas	se BB-HCM580/HCM581 is controlled by browser ND400.	Fixed.		
			х		Thermal error may occur. (Occurrence frequency : Low)		-	Fixed not to occur it by detecting temperature beyond threshold consecutively three times for thermal error.		
4.02 (5.2.2.0) Nov.,'13 Option; V1.20			х		Unable to register cameras due to undetected (Occurrence frequency : High)	those h	ting to register cameras for Japanese market ave been changed model numbers from "DG-o"WV-xxxx".	Fixed.		

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WJ-ND400, WJ-ND400K Firmware Release Note

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VER (ActiveX VER) Release Date			ty Ra	nk	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 ate)					
		Α	ВС) U	Issue (Phenomenon)	Occurrence condition	Correspondence				
				х	-	-	Supported WV-SFV631L, WV-SFV611L, WV-SFN631L and WV-SFN611L.				
				х	-	-	Made playing back every 30 second in background and would be restarted to restore by tamper detection.				
4.10				х	-	-	Improved judgment criteria at error while making backup H.264 onto SD memory card.				
(5.2.5.0)	С			x	-	-	Took measures for ntpd vulnerability.				
June,'14 Option; V1.20				х	-	-	Added choice of giving the right for the level of USER to make HTTP Download.				
				х	-	-	Added a process to warn or to release HDD if the HDD had been detected responding too slow.				
			×		Hour-meter became zero (0) in RAID recovery. (Occurrence frequency : High)	In a case, turning power off an don during recovery.	Fixed the hour-meter showed correctly.				
				x	-	-	Improved Error log to store starting/ending recovery at RAID5/6.				
4.11 (5.2.5.0) June,'14	С			х	_	_	Improved the picture to be refreshed smoothly while connecting with a cameras among WV-SFx631L and WV-SFx611L series.	Note: Updating			
Option; V1.20				x	-	-	Supported WV-SP104W.	firmware from ver 2.50 (or			
4.12			×		Oldest recording might not be updated in a certain period. (Occurrence frequency : High)	In the case HDD recording were the second round.	Fixed to update it, properly.	older) to 2.52 (or newer) takes			
(5.2.5.0) Sept.,'14 Option; V1.20	С			x	-	-	Improved SD memory recording function as follows; 1. Avoid rebooting by changing configuration settings repeatedly when activated SD memory recording in H.264. 2. Avoid rebooting at downloading H.264 recording data by SD memory recording from SD memory card to WJ-ND400 if the recording data were too old.	much longer than previous.			
4.21 (5.3.4.0) Sept.,'14 Option; V1.20	U			x	-	-	Support changing model number of Japanese market model from DG-ND400K to WJ-ND400K.				
4.30 (5.3.6.0) Nov.,'14 Option; V1.20	U			x	-	-	Supported WV-SMR10 (including WV-SMR10N3).				
4.40 (5.3.7.0) (5.3.6.0) Dec.,'14 Option; V1.20	U			х	Corrected on Mar 30, 2016	-	Supported new cameras WV-SFN310, SFN311, SFR310, SFR311, SFV310, SFV311, SPN310, SPN311, SPN531, SPN611, SPN631, SPW531 and SPW631 (Note: also supported some models with "L" and "LT" as suffix) Also supported Extension unit, Model WV-SPN6R481, on WV-SPN611 and SPN631.				

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		Α	В	С	U	Issue (Phenomenon)	Occurrence condition	Correspondence	
4.42 (5.3.7.0) Jan.,'15 Option; V1.20	С			x		rate with Step Conf Great schetrans Step After Greate schetrans Recording rate may be higher than setting. (Occurrence frequency: High) As a will be the confidence of the	By changing the configuration at "live image transmission rate" and "recording rate" or "schedule recording rate" with the procedures as follow; Step 1: Configure the setting as follow; Greater value of either manual recording rate (ips) or schedule recording rate (ips), is greater than live image transmission rate (ips). Step 2: After the Step 1, change the setting as follow; Greater value of either manual recording rate (ips) or schedule recording rate (ips), is smaller than live image transmission rate (ips). As a result of the Step 1 and 2, above, actual recording rate will be same with the live image transmission rate. Note: You see no symptoms or will the symptom gone by one of the operation of Setup menu as follows; By turn Power Off and On. By changing the recording rate at . By detecting cameras. By clicking measure button to check network transmission rate is appropriate in use. By opening of setup menu and entering configuring. By changing recording rate due to changing recording program, starting event recording and so on.		Note: Updating firmware from ver 2.50 (or older) to 2.52 (or newer) takes much longer
Corrected on May 7, 2 and on May 4.50 4.59 (5.3.12.0) Apr.,'15 Option; V1.20				x		Important information – Please read carefully! There are 2 files of firmware version 4.5, one is version 4.50, named 'which file is appropriate for your WJ-ND400(K) by yourself. Please not be which file is appropriate firmware file for your WJ-ND400(K). Q1. Do you use 9 Megapixel 360-degree cameras such as WV-SFN A1.If yes, please go to the next question, Q2. If no, please use the Q2. About configuration, does the bit rate for H.264 to be configured A2.If yes no, please use the version 4.50, "ND400_V45001.zip (ND401 files) for yes, please use the version 4.59, "ND400_V45901.zip (ND401 Please DO NOT place both files in a folder to upgrade firm for WJ-ND400/G only	ote that both version 4.50 and 4.59 are latest, and eit N480 and WV-SFV480? e version 4.59, "ND400_V45901.zip (ND4004K.IMG)" d 6Mbps or greater? 0400.IMG)" and make sure the bit rate for H.264 to be 4004K.IMG)". mware by Panasonic Security System Config	4.50, "ND400_V45001.zip (ND400.IMG)". configured less than 6Mbps.	than previous.

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		4	A E	3 C	U	Issu	e (Phenomenon)	Occurrence condition	Correspondence	
5.00 (5.3.16.0)					х	Corrected on Mar 30, 2016		_	Supported new cameras; WV-SFV781, SPV781, WV-SC364, SW374, WV-SC387, SW397, WV-SFN531, SFV531, SFR531, SFN532, SFN533, SFV533, SPW533, WV-SFN313, SFV313, SPW313	
(5.3.7.0) Jul.,'15 Jan.,'15	C				х	Corrected on Mar 14, 2016	_	_	Added choices for selecting resolution mode, either "4K resolution" or "Normal". As a result, one file of firmware covers both conventional cameras (firmware version 4.50) and 360-deg. 9Megapixel cameras (version 4.59).	
Option; V1.20				х		Recorded audio data of 360 destroyed. (Occurrence frequency : Lo	O-deg network cameras may be	_	Fixed.	

Restrictions on firmware version 5.00

- Live picture may delay approx. 2 sec. while resolution setting for camera were 4M(2048x2048 pixel).
- Live picture may be collapsed depends on a load on PC.
- 4-screen live picture to be displayed I-Frame only while setting FHD(1920x1080 pixel) or greater resolution.
- Up to 6Mbps of bitrate or SXVGA resolution (1280x960 pixel) can be backed up on SD memory card.
- Attachment file (Jpeg) of an alarm notification must be 1MB or less.
- 1MB or bigger image by FTP periodical transmission from camera, may be collapsed.

Restrictions on "Normal" mode.

- Maximum bitrate for Live, recording and playback is up to 6Mbps.

Restrictions on "4K resolution" mode.

- Up to 8 units (must be CH1 to CH8) of 9 Megapixel 360-degree Network Camera (14Mbps or more) can be used.
- Or, supports 14Mbps on CH1 to CH8 and 8Mbps on CH9 to CH64.
- Number of users for playback reduces from 16 to 8.
- Playing back video (8Mbps or more) with audio may be a cause of interruption at a timing of refreshment of video.
- Number of users for FTP transmission reduces from 8 to 4.
- Impossible to download data that is 2GB or more by FTP or HTTP.

5.01 (5.3.16.0) (5.3.7.0) Aug.,'15 Jan.,'15 Option; V1.20	С	×		Corrected	Jpgrading firmware from firmware version 5.00.	Fixed.
5.10 (5.3.16.0) Nov.,'15 Option; V1.20	С		x	on Mar 14,		Supported formatting HDD by manual. Supported new cameras: WV-SPW532L and WV-SPW312L.
5.30 (5.3.16.0) Apr.,'16 Option; V1.20	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.

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5.50 (5.3.16.0) July,'16 Option; V1.20	С		х		Unable to record channels 9 and larger numbers in 4K resolution mode. (Occurrence frequency : Low) Corrected on Oct 7, 2016		cameras are configured 5sec at refresh rate 4K recording mode.	Fixed.	
5.50 (5.3.16.0) July,'16 Option; V1.20	С		х		Unable to record channels 9 and larger numbers in 4K resolution mode. (Occurrence frequency : Low)		cameras are configured 5sec at refresh rate 4K recording mode.	Fixed.	
				x				Supported new cameras as follow; WV-S1111/WV-S1112/WV-S1131/WV-S1511LN/WV-S1531 Series/ WV-S2110/WV-S2111L/WV-S2130/WV-S2131 Series/WV-S2211L/WV-S2231L/ WV-S2511LN/WV-S2531 Series/WV-V1170/WV-V1330L1/WV-V1330LK/ WV-V2530L1/WV-V2530LK/WV-V6430L/WV-X6511/WV-X6531	
			х		It may restart unexpectedly by obtaining the log or by making screen operation on PSSCT.	Under	high load condition.	Fixed.	
5.60 (5.3.16.0) March,'17 Option; V1.30	В			х	It may restart, unexpectedly.	PC fire	WV-ASM 200 Timeline function is ON, the wall is valid and the exceptional settings of ws Firewall (described in the WV-ASM200 ion Manual) are NOT configured.	Fixed.	
			x		RAID DOWN may occur; RAID5 1 DOWN, RAID5 2 DOWN, RAID6 1 DOWN, RAID6 2 DOWN or RAID6 3 DOWN.	When t	he power was turned off.	Fixed.	
				х	-			Improved process for HDD to be disabled when HDD response delay occurs during operation.	
				х	Communication with the browser may be disrupted.	In netw	ork access load state.	Fixed.	
				х	-		-	Changed company name to the new company name.	
5.61 (5.3.18.0) August,'17 Option;V1.30	С		х		Icons of some cameras looked Pan/Tilt/Zoom camera; WV-S2110, WV-S2111, WV-S2112, WV-S2130, WV-S2131, WV-S2132, WV-S2511, WV-S2512, WV-S2531, WV-S2532, WV-V2530L1, WV-V2530LK		-	Fixed.	
5.70 (5.3.18.0) October, '17 Option; V1.30	U			х	-		-	Supported new cameras, WV-S6111, WV-S6130, WV-S6131 and WVS6530.	
5.80				х	-		-	Supported new cameras; WV-S4150 and WV-S4550L	
(5.3.19.0) Feb., '18 Option;V1.31	С			х	-		-	Improved process of data recovery in RAID while connecting with Extension Unit, WJ-HDE400.	
5.90				х	-		<u> </u>	Supported new cameras; WV-X4170, WV-X4171 and WV-X4571L	
(5.3.19.0) Apr., '18 Option;V1.31	С			х	-			Improved process of data recovery in RAID while connecting with Network Microphone, WV-SMR10.	

WJ-ND400, WJ-ND400K Firmware Release Note

This document describes WJ-ND400(K) firmware upgrade Information.

1. Release version: Version 6.10

2. Release Note Reference Number: ND400_033

November 29, 2018 Panasonic Corporation

VER (ActiveX VER) Release Date		Priority Rank Level		nk	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 upd	late)	Contents *: ONVIF is a trademark of Or		
		Α	вС	U	Issue (Phenomenon)		Occurrence condition	Correspondence	
6.00 (5.3.20.0)	(×		The system may reboot if formatting HDD takes 5 to 8 minutes.	On firr	mware version 5.90.	Fixed.	
Aug., '18 Option;V1.31			×		The system may reboot while formatting 6TB or more HDD.	In case units.	e of the system contains 3 or more extension	Fixed.	
6.10 (5.3.20.0) Dec., '18 Option;V1.31	U			х	-		-	Supported new cameras; WV-S3111L/WV-S3131L/WV-S3511L/WV-S3531L.	

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