WJ-NX300K, WJ-NX300K/G
New functions and revisions (Software V4.40)

The recorder will be able to provide the following new functions by updating the software.

It also contains the latest information related to the Operating Instructions.

Details on the new functions and revisions	Reference pages
Addition of description to "Restrictions when using this product" **When registering the Network Camera New S Series** ●When setting the frame rate of recording to 60 ips/50 ips, the frame rate of the multi-screen display will be reduced to 10 ips/8.3 ips. ●When the recording frame rate is set to 60 ips/50 ips, the SD backup cannot be used. ●When using AI Privacy Guard recording, the frame rate of the multi-screen display will be reduced to 10 ips. ●The new S series cameras refer to the following part numbers [as of July 2021]. WV-S1136, WV-S1536L*, WV-S1536LN, WV-S2136*, WV-S2136L, WV-S2236L, WV-S2536L*, WV-S2536LN * Excluding U.S.A.	Page 6

Deletion of items to the list of Error log. — Page 94

Description	Display of the status display panel	Error log	Front LCD Display	Output from connector
~~Camera SD List failure~~	~~Backup error: Cam.cc~~	~~[SD]Get list error: Cam.cc~~	~~C A M E R A c c S D C A R D E R R O R~~	~~Camera error~~
~~Camera SD Image delete failure~~	~~Backup error: Cam.cc~~	~~[SD]Delete image error: Cam.cc~~	~~C A M E R A c c S D C A R D E R R O R~~	~~Camera error~~

Addition of items to the list of Error log. — Page 95

Description	Display of the status display panel	Error log	Front LCD Display	Output from connector
Camera SD Recording failure	SD recording error: Cam.cc	［SD］ Recording error: Cam.cc	C A M E R A c c S D C A R D E R R O R	Camera error

The following descriptions are deleted from "Notification by e-mail" - "Warning mail". — Page 194

Indication	Description
Status	~~Camera SD List failure : CAM xxx GET LIST ERR~~ ~~Camera SD Image delete failure: CAM xxx DEL IMG ERR~~

The following descriptions are added to "Notification by e-mail" - "Warning mail". — Page 194

Indication	Description
Status	Camera SD recording failure : CAM xxx SD RECORDING ERROR

The following descriptions are added to "Troubleshooting". — Page 206

Symptom	Cause/solution	Reference
When opening the camera's web browser from the settings menu of web browser (Internet Explorer), the browser is not supported.	Some cameras do not support Internet Explorer. Use a web browser that is supported by the camera for camera connection.	-

WJ-NX300K, WJ-NX300K/G
New functions and revisions (Software V4.30)

The recorder will be able to provide the following new functions by updating the software.

It also contains the latest information related to the Operating Instructions.

Details on the new functions and revisions	Reference pages
Deletion of description **Restrictions when using this product** ● ~~After the date and time display of the camera is set from the recorder, the date and time display setting will become same for all camera numbers of the same camera. (☞ Page 18)~~	Page 21 of this flyer
Changes of description **Restrictions when using this product** **When registering a U series network camera** ● The supported camera firmware is V1.10 or later. ● The compression method "H.265(3)" cannot be selected. (If "H.265(3)" is selected in the software V4.20 or earlier of this recorder, the setting will be changed to "H.265(1)" after it is upgraded to V4.30.) ● It is not necessary to select the camera registration option. (If the camera registration option "(30IPS)" is selected in the software V4.20 or earlier of this recorder, the setting will be changed to "No option" after it is upgraded to V4.30. Also, restrictions on multi-screen display and sub-stream recording are not covered.) ● If the camera registration option "(30IPS)" is selected in the software V4.20 or earlier of this recorder, execute Synchronize the camera's settings with this unit (☞ Page70) after it is upgraded to V4.30. ●Smart coding (GOP control) settings cannot be used depending on the settings of the camera.	Page 16 of this flyer
Addition of description **Restrictions when using this product** **When registering the network camera WV-S1552L, WV-S2252L, or WV-S2552L** ● When the compression method is MJPEG and the resolution is 7M (3072x2304), 5M (2560x1920), 5M (3072x1728), WQHD (2560x1440), 5M (1728x3072) or 4M (1440x2560), the maximum recording frame rate may be 1 ips depending on the settings of the camera. **When registering the network camera WV-S1572L, WV-S2272L, or WV-S2572L** ● If the recording frame rate is set to 30 ips/25 ips, the frame rate of multi-screen monitor display will drop to 15 ips/12.5 ips. ● When the resolution is 4KUHD (3840×2160) or 8M (2160×3840) and the compression mode is H.265 (Smart coding Off), the image quality of 25 ips and more is set; for XF and H.264, the image quality of 10 ips and more is set; for XF, the image quality of 25 ips and more is set; for SF, the code rate exceeds 12 Mbps, so the SD backup cannot be run. In addition, even if these settings are changed in the SD backup, the bit rate will not be changed and thus the recording will not be done properly. ● If 25 fps or 30 fps is set for stream 1 on the camera side, the maximum recording frame rate for stream 3 and stream 4 will be 15 ips. ● If the resolution of stream 4 is HD (1280x720), the maximum recording frame rate will be 15 ips. ● When the compression method is MJPEG and the resolution is 4KUHD (3840x2160), WQHD (2560x1440), 8M (2160x3840) or 4M (1440x2560), the maximum recording frame rate may be 1 ips depending on the settings of the camera. **When registering the network camera WV-S4151, WV-S4551L, WV-X4172, WV-X4173, or WV-X4573L** ● For WV-X4172, WV-X4173 and WV-X4573 L, if the image capture mode is "<Wall> Single PTZ", 2560x1920 cannot be set for the resolution. ● For WV-X4172, WV-X4173, and WV-X4573L, when the compression method is MJPEG and the resolution is 9M (2992x2992) or 5M (2192x2192), the maximum recording frame rate may be 1 ips or 2 ips depending on the settings of the camera. ● Changing the Super dynamic and Wide dynamic range settings may cause temporary camera communication errors.	Page 6

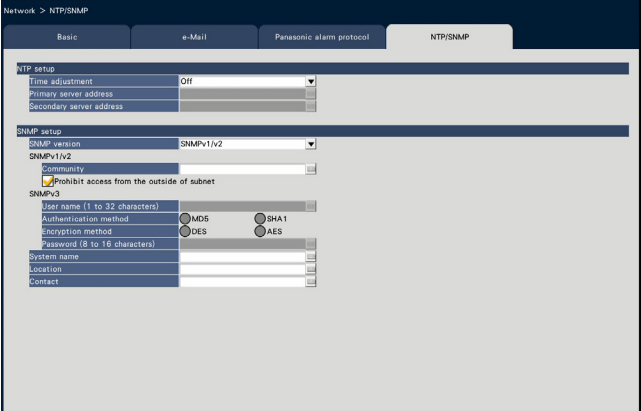| Details on the new functions and revisions	Reference pages
Addition of description **Restrictions when using this product** 　**When registering the network camera WV-S8531N or WV-X8571N** 　● Set the following values for each camera number of the same camera. 　　・ Camera authentication 　　・ Compression method, resolution, frame rate, and image quality of camera images 　　・ Recording settings (audio encoding format) 　　　* For WV-X8571N only 　　・ SD backup settings, smart coding (GOP control) settings 　　・ Security setting between this recorder and the camera (connection, data encryption settings) 　● MJPEG cannot be selected as the image compression method. 　●The WV-X8571N can take SD backup only when the image compression method is H.265(1) and the resolution is WQHD (2560x1440) or FHD (1920x1080). 　● Auto-IP address assignment is only available for S8531-1 or X8571-1. (☞ Page 13) 　● The settings may not be reflected if you set and send values for multiple camera numbers of the same camera. If an error occurs, select a camera number that the error occurs and send the settings again. (☞ Page 17)	Page 6
Changes to the screen Addition of setting items **■Other setup** **[Extend an event recording during "MotionAlarm" of ONVIF event]** When checked, the event recording that starts with "MotionAlarm" in the ONVIF event notified by the camera will be extended for the duration set in the event recording duration (☞ Page 36) unless an end notification is received from the camera. **Note** ・ Please be noted that if the communication is temporarily interrupted due to the network environment, the recording will continue until the alarm operation is canceled unless an end notification is received. ・ In camera site alarm advanced settings (☞ Page 42), when one camera is set to "Recording Camera" for multiple cameras, it may not work properly.	Page 45
Error correction **[Status]** 　Incorrect　<u>Added</u>　 : HDD cannot be used until it is formatted 　Correct　<u>Addition</u>　: HDD cannot be used until it is formatted	Page 64

Details on the new functions and revisions	Reference pages
List of setting items **Addition of setting items** REC&event＞Advanced setup	Page 83

Setting item		Available range	Default	Remarks
Other setup	Extend an event recording during "MotionAlarm" of ONVIF event	Checked/Not checked	Not checked	◎

List of setting items
Changes to the Available range, addition of Remarks
Extra function＞Security

Page 92, page 6 and page 9 of this flyer

Setting item		Available range	Default	Remarks
Security between this product and PC	Connection	HTTP&HTTPS, HTTPS	HTTP&HTTPS	◎
	TLS 1.1	Checked/Not checked	Checked	◎
	TLS 1.2	Checked/Not checked	Checked, Fixed	◎
	HTTPS port number	(Port number)	443	◎
	Download root certificate	(None)	(None)	★
Security between this product and camera	Connection	HTTP, HTTPS	HTTP	◎
	Port number	(Port number)	443	◎
	Data encryption setting	Off, On	Off	◎

Adds to the screen
Change the camera display position on the screen
Add the following two screens.

Page 107

4-screen (4:3)   **4-screen (16:9)**

WJ-NX300K, WJ-NX300K/G
New functions and revisions (Software V4.20)

The recorder will be able to provide the following new functions by updating the software.

It also contains the latest information related to the Operating Instructions.

Details on the new functions and revisions	Reference pages

Changes to the screen
SNMP setup is added.
 	
Addition of description
[SNMPv1/v2 - Prohibit access from the outside of subnet]
Set whether to prohibit access from the outside of subnet by SNMPv1/v2.
  Checked: Prohibits access from the outside of subnet.
  Not checked: Allows access from the outside of subnet.
Default setting: Checked
 	
Important:
● To ensure security, it is suggested to prohibit access from outside the subnet when SNMPv1/v2 is used.
	Page 14 of this flyer

Addition of description　[Default screen] "6Screen(Wide view)" is added.	Page 60
Addition of description 　**About the operation log** 　"CHANGED RECORDING ORDER 　　　: When the recording order is changed" is added.	Page 67
Changes to the screen "Change the recording order" is added. Screen in Single mode Screen in Mirroring mode	Page 72

Details on the new functions and revisions	Reference pages
Addition of description (New functions) **Change of the recording order [Change the recording order]** The order of recording HDD (or a unit in RAID5/RAID6 mode) can be changed. STEP1 Click the [Execute>] button in [Change the recording order]. -> The following screen of [Change the recording order] will be displayed. HDD management > General > Change the recording order General HDD information - Single mode - |		Capacity	Operation	Status	Rec. order	Recorded time range | MAIN HDD1 4001 GB 0 h Normal 1 1 HDD2 4001 GB 0 h Normal 2 2 HDD3 4001 GB 0 h Normal 3 3 HDD4 4001 GB 0 h Normal 4 4 EXT1 HDD1 ... HDD9 Prev page 1/2 Next page Change the recording order Change the Rec. order and click the [Start] button. Start · The recording order cannot be changed when "On" is set to "HDD stand-by control mode". Back STEP2 Change the Rec.order and click the [Start] button. When the change of the recording order has completed, the screen indicating that the change is in progress will be closed. STEP3 Click the [Back] button to finish the change. **Note:** ● If "Auto-sort" is selected from the "Rec.order" pull-down menu of the list title, the recording order will be assigned in order from the top of the list. ● When the HDD stand-by control mode (☞Page 90) is On, the recording order cannot be changed.	Page 75
Addition of items to the list of Available range. REC & event＞Recording setup	Page 81

Setting item		Available range	Default	Remarks
Advanced recording setup	Image capture size	The following values are added to [Aspect ratio 1:1] 1.4M (1200x1200)* 2M (1440x1440)*	VGA (640x480)	◎

* Available only when the camera from other manufacturers is selected

Addition of items to the list of Setting items. Network＞NTP/SNMP	Page 86

Setting item		Available range	Default	Remarks
SNMP setup	SNMPv1/v2 - Prohibit access from the outside of subnet	Checked/ Not checked	Checked	◎

Addition of items to the list of Available range. User management＞Administrator setup	Page 87

Setting item		Available range	Default	Remarks
Edit administrator information	Default screen*	The following values are added 6Screen(Wide view)	4Screen-(1)	◎

Details on the new functions and revisions				
Changing of item to the list of Default. HDD management＞General				

Changing of item to the list of Default.
HDD management＞General

Setting item		Available range	Default	Remarks
Change the operation mode of HDD	Operation mode of HDD	Single mode, Mirroring mode, RAID5 mode, RAID6 mode*1	(HDD operation mode in use)	◎

Addition of items to the list of Setting items.
HDD management＞General

Setting item		Available range	Default	Remarks
Change the recording order	HDD information (Capacity)	(Indication only)	(Indication only)	◎
	HDD information (Operating time)	(Indication only)	(Indication only)	◎
	HDD information (Status)	(Indication only)	(Indication only)	◎
	HDD information (Recording order)	(Figures)	(Recording order in use)	◎
	HDD information (Recording group)	(Indication only)	(Indication only)	◎
	HDD information (Time/Date range of recorded images)	(Indication only)	(Indication only)	◎

Addition of items to the list of Setting items.
Extra function＞Security

Setting item		Available range	Default	Remarks
Security between this product and PC	Download root certificate	(None)	(None)	★

Deletion of items to the list of Error log.

Description	Display of the status display panel	Error log	Front LCD Display	Output from connector
Reboot (Related to CPU)	—	System reboot (Related to CPU)	—	—
Reboot (Related to DEC)	—	System reboot (Related to DEC)	—	—

Details on the new functions and revisions			Reference pages
The following descriptions are added to "Troubleshooting".			Page 206
Symptom	Cause/solution	Reference	
No image is displayed on the HDMI monitor.	● Does the HDMI output signal format match the specifications of your monitor? To fix the HDMI output signal format, set the signal format supported by the monitor. ● Is an HDMI switcher used between this product and the monitor? It may not work properly depending on the specifications of the HDMI switcher. In addition, please use an HDMI switcher that supports bus-powered drive in a state where it operates with an external power supply for stable operation. ● Is the cable in use compliant with the HDMI specifications? It may not work with a cable not compliant with the HDMI specifications. In addition, please use an HDMI cable of 5m or less in length to prevent deterioration of image quality and for stable operation.	47 Installation Guide	
The thumbnail image of the camera is displayed broken in the setup menu of the web browser.	Check that the JPEG data encryption is not set to "On" in the camera setup menu.	—	

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WJ-NX300K, WJ-NX300K/G
New functions and revisions (Software V4.10)

The recorder will be able to provide the following new functions by updating the software.

It also contains the latest information related to the Operating Instructions.

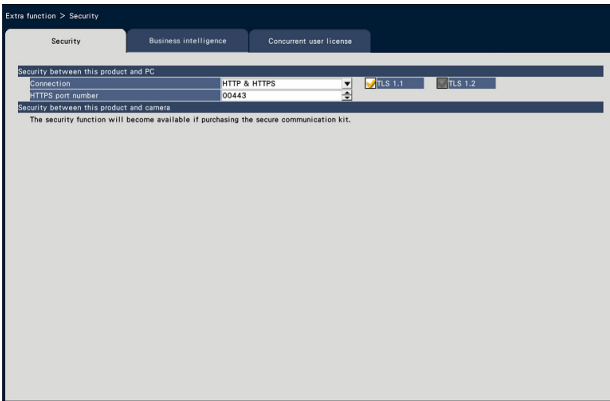| Details on the new functions and revisions	Reference pages
Addition of description Restrictions when using this product **When registering the network cameras WV-X1571LN, WV-X2271L and WV-X2571LN** ● If the recording frame rate is set to 30 ips/25 ips, the frame rate of multi-screen monitor display will drop to 15 ips/12.5 ips. ●When the resolution is 4KUHD (3840x2160) or 8 M (2160x3840) and the compression mode is H.265 (Smart coding Off), the image quality of 25 ips and more is set; for XF and H.264,the image quality of 10 ips and more is set; for XF, the image quality of 25 ips and more is set; for SF, the code rate exceeds 12 Mbps, so the SD backup cannot be run. In addition, even if these settings are changed during SD backup, the bit rate will not change and thus the recording will not be done properly. ● When the AI Privacy Guard recording is used, the frame rate of multi-screen monitor display will drop to 15 ips/12.5 ips. ● When the portrait is selected in the resolution settings, the maximum frame rate of AI privacy guard recording and multi-screen monitor display will be 7.5 ips/6.25 ips. ● If 25 fps or 30 fps is set for stream 1 on the camera side, the maximum recording frame rate for stream 3 and stream 4 will be 15 ips. ● If the resolution of stream 4 is HD (1280x720), the maximum recording frame rate will be 15 ips. ● When the compression method is MJPEG and the resolution is 4KUHD (3840x2160), WQHD (2560x1440), 8M (2160x3840) or 4M (1440x2560), the maximum recording frame rate may be 1 ips depending on the settings of the camera.	Page 6
Changes to the description 〔**Camera time auto synchronization**〕 <u>When a date changes, the clock of the cameras will be synchronized with the clock of this product.</u> ↓ <u>Synchronize the time on the camera with the time on this product when registering a camera, changing settings, or changing the date.</u>	Page 66
Changes to the description **STEP3** **Note** ●<u>If either "Group1" or "Group2" are set other than "Unlimited" for the recording group, the recording group is displayed on each screen of the HDD management and of the HDD information of the Maintenance page.</u> ↓ ● <u>When "Group2" is set for the recording group, the recording group is displayed on each screen of HDD management and each screen of HDD information under Maintenance.</u>	Page 75
STEP7 **Important** ●<u>If "Assign recording group to HDD" is changed, the HDD data will be deleted.</u> ↓ ● <u>If the recording group is changed, the recorded images may not play back depending on the recording settings for each group.</u>	Page 75

Details on the new functions and revisions	Reference pages
Changes to the screen [TLS 1.1] is added. Extra function > Security Security　Business intelligence　Concurrent user license Security between this product and PC Connection　HTTP & HTTPS　☑TLS 1.1　☐TLS 1.2 HTTPS port number　00443 Security between this product and camera The security function will become available if purchasing the secure communication kit. **Addition of description** **[TLS 1.1]** 　Set whether to use TLS 1.1 when connecting with HTTPS. 　　Checked: Use 　　Not checked: Do not use Default: Checked	Page 76
Addition of items to the list of setting items 　Extra function＞Security	Page 90

Setting item		Available range	Default	Remarks
Security between this product and camera*	TLS 1.1	Checked/Not checked	Checked	◎
	TLS 1.2	Checked/Not checked	Checked, Fixed	◎

Deletion of screens and changes to the description 　**Display the operation window** 　**STEP2** 　Enter the IP address or URL assigned to the recorder into the address box, and then press the [Enter] key. 　　　<<Deletion of screens>> →　The authentication window will be displayed. The authentication window will not be displayed when "Off" is selected for "User authentication" on the [Basic] tab of "User management" under the setup menu [Advanced setup].	Page 157

WJ-NX300K, WJ-NX300K/G
New functions and revisions (Software V4.00)

The recorder will be able to provide the following new functions by updating the software.

It also contains the latest information related to the Operating Instructions.

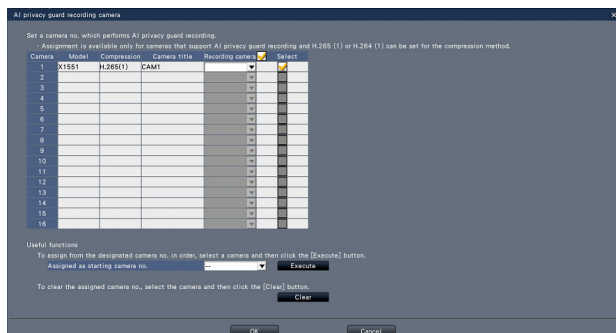| Details on the new functions and revisions	Reference pages
Description has been added to "**Restrictions when using this product**". 　**When using AI privacy guard recording** ●To use the AI privacy guard recording, the extension software WV-XAE201W is installed on the camera and its setting needs to be completed. In addition, the "Target stream" in AI Privacy Guard setting on the target camera needs to be set to "Stream (2) & Stream (4)". ●AI privacy guard recording requires registration frames for 2 cameras. ●AI privacy guard recording uses stream 2 for recording, monitor live 1-screen display, and browser display. It also uses stream 4 for sub-stream recording and monitor live multi-screen display. ●AI privacy guard recording operates according to the recording and scheduling settings of the paired camera. ●Even if the alarm recording camera is either one of them, both cameras will record the alarms. ●AI privacy guard recording does not support SD backup recording. ●"Stream 2" in "Do not use stream 2 of camera with each function of this recorder" and "Display live image in stream 2 when displaying 1-screen on monitor" refers to "Stream 3" and "Stream 4".	Page 5
Description has been added to "**Restrictions when using this product**". 　**When registering the network cameras WV-X1551LN,WV-X2251LN and WV-X2551LN** ●When using AI privacy guard recording, the multi-screen monitor display frame rate will drop to 15 ips/12.5 ips. ●When the compression method is MJPEG at WQHD (2560x1440), 5M (3072x1728), 4M (1440x2560) or 5M (1728x3072), depending on the settings of the camera, the maximum recording frame rate may be 1 ips.	Page 6
Description has been added to "Event type". SW1 to SW8: Extension software alarm *Camera site alarms sent from the extension software will be recorded as extension software alarms.	Page 8
Change has been made to [Camera registration] tab. The following [AI privacy guard recording camera] is added. 	Page 12
Description has been deleted in "Change the registered information [Registered information]" 　**Note:** • When selecting "MJPEG" for "Compression",images whose aspect ratio is 16:9 cannot be selected. (☞ Page 38)	Page 15

Details on the new functions and revisions	Reference pages
Addition of description **Description has been added to "Select a camera which performs AI privacy guard recording [AI privacy guard recording camera]".** Click the [Setup >] button of [AI privacy guard recording camera] on the [Camera registration] tab to display the following screen. 〔**Recording camera**〕 For the registered cameras, select a camera to record the AI privacy guard image. Only cameras that support AI privacy guard recording with the compression method set to H.265 (1) or H.264 (1) can be selected as a recording camera. 〔**Select**〕 Select a camera to operate with useful functions. 〔**Assigned as starting camera no.**〕 Specify the starting camera no. when assigning camera no. in order. Click the [Execute] button to assign the unused camera no. to the selected cameras in ascending order from the specified camera no. **Note:** ●The camera no. selected on the recording camera changes to the AI privacy guard recording display on all settings screens of this recorder, as shown in the following screen. ●Select the camera and then click the [Clear] button to clear the assigned camera no.	Page 16
Description has been added to ■ Camera Selection. **Note:** ●The cameras that perform AI privacy guard are set to both streams.	Page 21
Description has been added to ■ Camera Selection. **Note:** ●The cameras that perform AI privacy guard are set to both streams.	Page 22
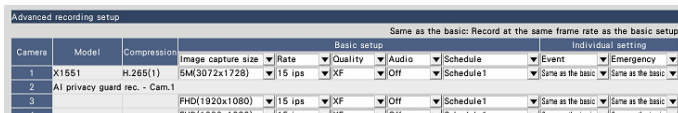
Description has been added to [Display]
      Ctrl screen: Displays in the Ctrl screen.
      Wide view: Displays in the Wide view.
   Default: Ctrl screen
	Page 40

Description has been added to [Main monitor action]
  [Display camera]
It is displayed when [On] or [On (ACK/RESET)] is selected in [Main monitor action]. When using AI privacy guard recording, select whether to display the camera (Recording camera) without privacy guard or the camera (AI privacy guard recording camera) with privacy guard.
      Default: Recording camera
	Page 40

Details on the new functions and revisions	Reference pages
Change has been made to [Advanced setup] tab. The following [Extension software alarm] is added. 	Page 43
Addition of description **Description has been added to [Extension software alarm].** Set the extension software alarm name and message ID. To use the extension software alarms 1 to 4, the extension software WV-XAE200W must be installed on the camera and settings must be completed. **[Name]** Enter the names of the extension software alarms 1 to 8 from the software keyboard (up to 16 characters). **Note:** ●The alarm log, event information display, event type (☞ page 137), and REC event (☞ page 175) are displayed with the set name. ●Kanji (Chinese characters) can be entered from the PC web browser. Characters that are not in the installed fonts cannot be displayed. ●If the setting is saved in blank, it will return to the default name. **[Message ID]** Select alarm message ID to be received as extension software alarms 5 to 8 in decimal number (000 to 255). **Note:** ●50, 51, 52, and 56 cannot be set. ●When the message ID is set, the set alarm name is displayed in the event type (☞ page 137) and REC event (☞ page 175).	Page 43
Description has been added to [SNMP version] Select the SNMP version to be used. By using SNMPv3, communication data can be encrypted and communication security can be improved.	Page 9 on this flyer V3.10
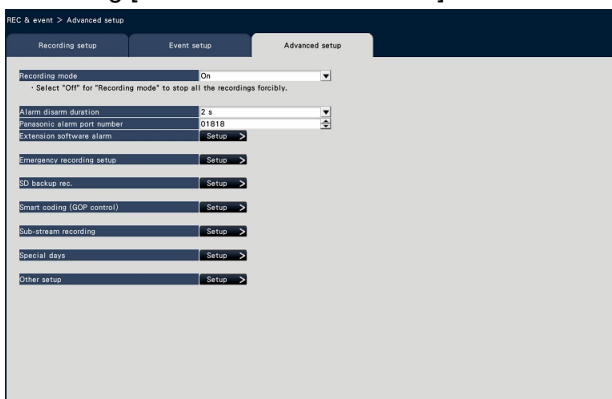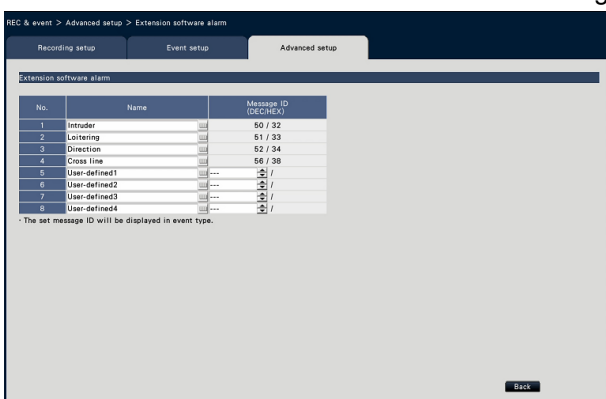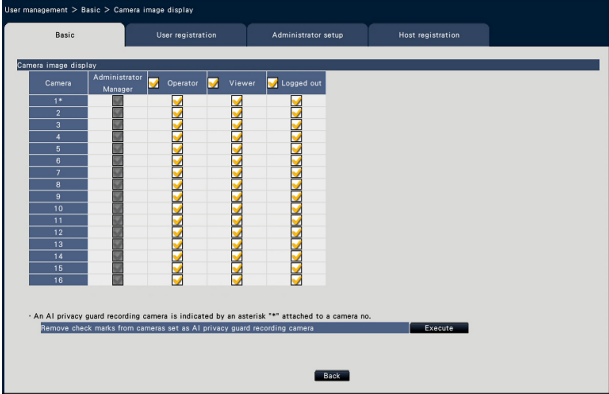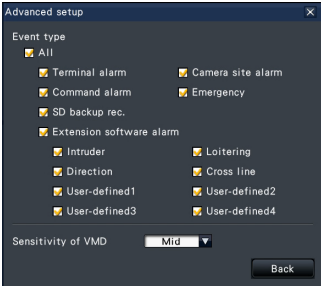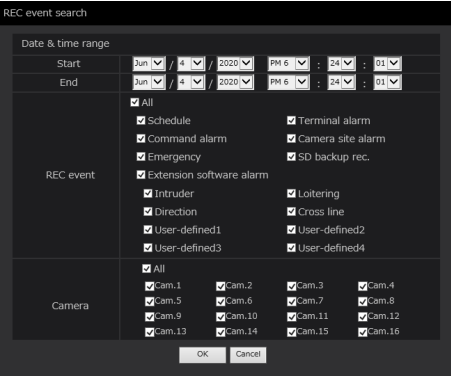
Details on the new functions and revisions	Reference pages
Description has been added to [SNMPv3 - Password] Set the password of SNMPv3. For the password, use three or more types of characters from upper- and lowercase alphabetic characters, numbers, and symbols. Set a password which does not include the user name.	Page 9 on this flyer V3.10
Change has been made to [Basic] tab. The following AI privacy guard related menu is added. 	Page 59
Description has been added to "Set up the user level for individual cameras" **Note:** ●If the AI privacy guard recording camera is set, clicking the [Execute] button on the screen can remove all the check marks from the cameras without AI privacy guard.	Page 59
Description has been added to [User registration] tab **[User name]** 〜alphanumeric and the symbol excluding ["], [&], [:], [;], [¥]. **[Password]** 〜alphanumeric and the symbol excluding ["], [&]. **Important:** ●Do not reuse passwords on other recorders or devices.	Page 59
Setting screen change has been made to "Set the camera partitioning individually". The following AI privacy guard related menu is added. 	Page 31 on this flyer V2.30
Description has been added to "Set the camera partitioning individually". **Note:** ●If the AI privacy guard recording camera is set, clicking the [Execute] button on the screen can turn Off all the settings for the cameras without AI privacy guard.	Page 31 on this flyer V2.30
Description has been added to [Administrator setup] tab **[Administrator name]** 〜alphanumeric and the symbol excluding ["], [&], [:], [;], [¥]. **[Password]** 〜alphanumeric and the symbol excluding ["], [&]. **Important:** ●Do not reuse passwords on other recorders or devices.	Page 61

Details on the new functions and revisions	Reference pages
Description has been added to [HDD information] tab 　[Password]　～alphanumeric and the symbol <u>excluding ["], [&]</u>.	*Page 65*
Description has been added to [Firmware update] 　**Note:** 　●Do not turn off the power of the device during the update.	*Page 68*

The following items are added to the list of setting items.
Camera＞ Camera registration

Setting item		Available range	Default	Remarks
AI privacy guard recording camera	Recording camera	Blank, Cam.1, ..., Cam.16 (Up to Cam.32 in camera extension mode)	Blank	◎

(Reference page: Page 78)

The following items are added to the list of setting items.
REC & event＞ Event setup

Setting item		Available range	Default	Remarks
Alarm action	Display camera	Recording camera, AI privacy guard recording camera	Recording camera	◎

(Reference page: Page 82)

The following items are added to the list of setting items.
REC & event＞ Advanced setup

Setting item		Available range	Default	Remarks
Extension software alarm	Name	(Text will be entered.)	No.1 : Intruder No.2 : Loitering No.3 : Direction No.4 : Cross line No.5 : User-defined 1 No.6 : User-defined 2 No.7 : User-defined 3 No.8 : User-defined 4	◎
	Message ID	000 to 255,---	No.1-4 : （Fix）、 No.5-8 : ---	◎

(Reference page: Page 83)

Error logs Item deletion, addition of description.

Description	Display of the status display panel	Error log	Output from connector
~~Camera SD Accumulated recording time notice~~	~~SD life notice: Cam.cc~~	~~[SD]Long-term use notice: Cam.cc~~	–
~~Camera SD Overwrite notice~~	~~SD life notice: Cam.cc~~	~~[SD]Overwrite notice: Cam.cc~~	–

* "HDD skip" is the function that continues recording on another hard disk drive even if an error occurs, such as an HDD write error. <u>The saved date range of video images becomes shorter because data overwrite recording will be accelerated on the destination HDD.</u>

(Reference page: Page 95)

Description has been added to Event action
　Event action
　Start event recording[*4]
　Display event information on the main monitor[*3]
　Display the alarm icon on a web browser[*3]
　Record the alarm logs[*2, *3]

　*3 The extension software alarm is displayed by name (☞ page 43). Alarms notified by message IDs that are not set are displayed as "Undefined".
　*4 The extension software alarm notified by message IDs that are not set (☞ page 43) is recorded as camera site alarm.

(Reference page: Page 124, 125)

Details on the new functions and revisions	Reference pages
Screen change has been made to [Advanced setup]. Event type added. 	Page 137
Description has been added to [Event type]. **Note:** ●User-defined 1 to user-defined 4 are displayed when the message ID of the extension software alarm (☞ page 43) is set.	Page 137
Screen change has been made to REC event search. The following event types are added. 	Page 175
Description has been added to [REC event]. Extension software alarm [SW1 to SW8]: Record by extension software alarm **Note:** ●When you search Extension software alarm, the event type in the search result list is displayed as follows for each event. Each name is in case of default setting. 　　Intruder: SW1, Loitering: SW2, Direction: SW3, Cross line: SW4 　　User-defined1 to User-defined4: SW5~SW8 ●User-defined 1 to user-defined 4 of the extension software alarm are displayed when the message ID of the extension software alarm (☞ page 43) is set.	Page 175
Description has been added to "Update the firmware". **Note:** ●Do not turn off the device or disconnect the network cable during the update.	Page 192
Items have been added to "Troubleshooting".	Page 206

Symptom	Cause/solution	Reference
The live image of the camera does not display on monitors in the multi-screen split and the screens turn black. Cannot play on more than 5 screens while the sub-stream recording is set to "On".	If "Target stream" in AI Privacy Guard setting on the target camera is set to "Stream (2) & Stream (4)", the resolution of the camera for H.264 (2) or H.265 (2) becomes the same as that for H.264 (1) or H.265 (1), so the live image may not be displayed or the playback may be disabled depending on the number of screens in the multi-screen split. If you do not use AI privacy guard recording on this product, set the "Target stream" in AI Privacy Guard setting on the target camera to other than "Stream (2) & Stream (4)".	15, 111, 129

WJ-NX300K, WJ-NX300K/G
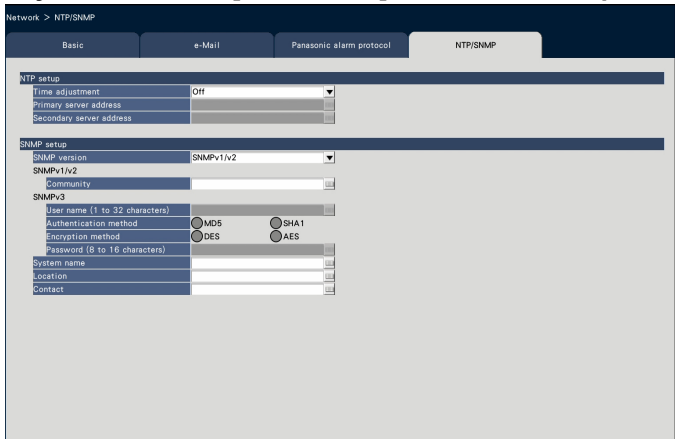# New functions and revisions (Software V3.20)

The recorder will be able to provide the following new functions by updating the software.

It also contains the latest information related to the Operating Instructions.

Details on the new functions and revisions	Reference pages
Description has been added to "**Restrictions when using this product**". When registering the network camera U series ● To set the recording frame rate to 30 ips/25 ips, select "(30IPS)" in the camera registration options. ● If the frame rate of recording is set to 30 ips/25 ips, it may not be possible to display on multiscreen depending on the setting of image capture size, the presence of sub-monitor display, and the presence of re-encoding transmission. Also, sub-stream recording is not included. ● U series cameras refer to the following product numbers [as of April 2020]. WV-U1130, WV-U1132, WV-U1142, WV-U1532L, WV-U1542L, WV-U2130L, WV-U2132L, WV-U2140L, WV-U2142L, WV-U2530L, WV-U2532L, WV-U2540L, WV-U2542L	Page 5
The description of Important in "Register of licenses for the recorder and the additional camera [Registration of license]" are changed as follows. ● In the following cases, always remember to click the [Restart] button in the end to reboot the recorder. The license will not be effective before the recorder is rebooted. • When the Registration Key of this product is registered • When the Registration Key of the additional camera is registered :	Page 68
Image capture size has been changed in the following table in "Change the camera display position on the screen". 【4K/1080p monitor connection, JPEG, no sub-monitor display, no re-encoding transmission】	Page 108

Image capture size / Multiplescreen display	HVGAW（640x360）〜 SXVGA(1280x960)	1.6M(1280x1280) 〜FHD(1920x1080)		

【4K/1080p monitor connection, JPEG, sub-monitor display or re-encoding transmission】

Image capture size / Multiplescreen display	HVGAW（640x360）〜 SXVGA(1280x960)	1.6M(1280x1280) 〜FHD(1920x1080)		

Details on the new functions and revisions	Reference pages
Description has been added to Step 2 of "**Correct the fisheye image**". **Note:** ●Digital zoom (☞ page 112) is possible during correction display. ●The correction display position of the fisheye image cannot be changed by operating the buttons on the camera control panel (☞ page 114).	Page 113

WJ-NX300K, WJ-NX300K/G
New functions and revisions (Software V3.10)

The recorder will be able to provide the following new functions by updating the software.

It also contains the latest information related to the Operating Instructions.

Details on the new functions and revisions	Reference pages
Description has been changed. **Description related to the "Go to last" specification is changed.** ~The starting point is around 10 seconds before the date & time of the latest recorded images.~ → Changed "around 10 seconds" to "around 30 seconds".	Page 5, 132, 135, 164, 165, 166, 172, 173
Description has been added. **The following note is added to** **"Change the registered information [Registered information]" - "[Option]".** **Note:** ● The method of installation will be set to the initial values of each mode if the options of the fisheye camera are changed. Please refer to "readme.txt" in the CD-ROM provided with this unit for the initial values of each mode.	Page 15
Description has been added. **The following note is added to "Set up VMD alarm for individual cameras [VMD alarm (Advanced individual camera setup)]".** **Note:** ● The live image of the sub-monitor may not be displayed temporarily depending on the setting of the image capture size of the recorded video.	Page 7 of this flyer
Description has been added. **The following important is added to "Recording setup tab [Recording setup]" - "[Panasonic alarm protocol]".** **Important:** ● If the setting in any one of Schedule 1 to 16 is to notify an Panasonic alarm protocol, notification about camera site alarm inputs (☞Page 43) will be made even for cameras to which have been allocated the schedules in which Panasonic alarm protocol has not been set.	Page 35
Description has been added. **The following description is added to "Configure the settings relating to the mail notification [e-Mail]" - "[Authentic method - User name]".** ～alphanumeric characters excluding ["], [&], [:], [;], [¥]～ **The following description is added to "Configure the settings relating to the mail notification [e-Mail]" - "[Authentic method - Password]".** ～alphanumeric characters excluding ["], [&]～	Page 54
Description has been added and changed **A setting item is added to "Configure the settings relating to NTP/SNMP synchronization [NTP/SNMP]" - "■ SNMP setup".** 	Page 56

Details on the new functions and revisions	Reference pages

■SNMP setup
Set this item to check the status of the recorder by connecting to the SNMP server.
 	
[SNMP version]
  Select the SNMP version to be used.
    SNMMPv1/v2: SNMPv1/v2 will be enabled.
    SNMPv3: SNMPv3 will be enabled.
    SNMPv1/v2/v3: SNMPv1/v2/v3 will be enabled.
  Default: SNMPv1/v2
 	
[SNMPv1/v2 - Community]
  Enter a name used for SNMP authentication (up to 32 alphanumeric characters).
  Characters that cannot be input: half-width symbols ["]
 	
[SNMPv3 - User name]
  The user name of SNMPv3 will be set.
  Number of input characters: 1 to 32
  Characters that cannot be input: half-width symbols ["], [&], [:], [;], [¥]
 	
[SNMPv3 - Authentication method]
  Select the authentication method of SNMPv3 from MD5/SHA1.
  Default: MD5
 	
[SNMPv3 - Encryption method]
  Select the encryption method of SNMPv3 from DES/AES.
  Default: DES
 	
[SNMPv3 - Password]
  Set the password of SNMPv3.
  Number of input characters:
    - When the authentication method is MD5: 8 to 16 characters
    - When the authentication method is SHA1: 8 to 20 characters
  Characters that cannot be input: half-width symbols ["], [&]
 	
[System name]
  Enter a name (up to 255 alphanumeric characters) for management of the recorder
  by the SNMP system.
  Characters that cannot be input: half-width symbols ["]
  Example: No1
 	
[Location]
  Enter a location where the recorder is installed. (up to 255 alphanumeric characters)
  Characters that cannot be input: half-width symbols ["]
  Example: 2F
 	
[Contact]
  Enter the contact information such as a mail address of an administrator of this recorder.
  (up to 255 alphanumeric characters)
  Characters that cannot be input: half-width symbols ["]	

Details on the new functions and revisions					Reference pages
The following items are added to the list of setting items. Network > NTP/SNMP					Page 86

Setting item		Available range	Default	Remarks
SNMP setup	SNMP version	SNMPv1/v2, SNMPv3, SNMPv1/v2/v3	SNMPv1/v2	◎
	SNMPv1/v2 - Community	(Text will be entered.)	(Blank)	◎
	SNMPv3 - User name	(Text will be entered.)	(Blank)	◎
	SNMPv3 - Authentication method	MD5, SHA1	MD5	◎
	SNMPv3 - Encryption method	DES, AES	DES	◎
	SNMPv3 - Password	(Text will be entered.)	(Blank)	◎

The following description is added to "Error logs".   Page 92

Description	Display of the status display panel	Error log
HDD skip[*1]	-	HDD skip: MAIN HDD skip: MAIN-y,y HDD skip: EXTx-y,y

The following descriptions are changed to "Error logs".   Page 93

Description	Display of the status display panel	Error log
RAID5 1down	RAID5 1down: MAIN-y RAID5 1down: EXTx-y	RAID5 1down: MAIN-y RAID5 1down: EXTx-y
RAID5 2down	RAID5 2down: MAIN-y RAID5 2down: EXTx-y	RAID5 2down: MAIN-y RAID5 2down: EXTx-y
RAID6 1down[*2]	RAID6 1down: MAIN-y RAID6 1down: EXTx-y	RAID6 1down: MAIN-y RAID6 1down: EXTx-y
RAID6 2down	RAID6 2down: MAIN-y RAID6 2down: EXTx-y	RAID6 2down: MAIN-y RAID6 2down: EXTx-y
RAID6 3down	RAID6 3down: MAIN-y RAID6 3down: EXTx-y	RAID6 3down: MAIN-y RAID6 3down: EXTx-y

The following descriptions are changed to "Error logs".   Page 94

Description	Display of the status display panel	Error log
Mirroring 1down	RAID1 1down: MAIN-y RAID1 1down: EXTx-y	RAID1 1down: MAIN-y RAID1 1down: EXTx-y

The following description is added to "Error logs".   Page 95

Description	Display of the status display panel	Error log	Output from connector
Network camera error detection (Live)	Communication error (Live): Cam.cc	Communication error (Live): Cam.cc	Camera error
Network camera error recovery (Live)	–	Communication recovered (Live): Cam.cc	–

[*1] "HDD skip" is the function that continues recording on another hard disk drive even if an error occurs, such as an HDD write error.

[*2] When the RAID6 1 down state has resulted in RAID6 due to the recovery of a RAID from the 2 down state, the number of the HDD will not be displayed in the status display panel indication or in the error log.

Details on the new functions and revisions	Reference pages

Description has been added.
  The following note is added to "Monitor live images" - "Change the camera display position on the screen".
  Note:
● In the 4-stream mode of the fisheye camera, when the settings are H.264/H.265 compression method, no sub-monitor display, no re-encoding transmission, and resolution of SXVGA (1280×960) or higher, it is not possible to display the camera images in 24-screen / 32-screen. It is not possible to make the camera display in 5-screen to 32-screen in sub-monitor display or when re-encoding transmission is available.
	Page 108

Description has been added.
  The following note is added to "Monitor live images" - "Correct the fisheye image".
  Note:
● During the corrected display of fisheye images, the live images of the sub-monitor are displayed at the refresh rate set for the camera.
	Page 113

Description has been added. **The following description is added in STEP 4 of "Display thumbnail screen and play back (Thumbnail search)".** Display interval: <u>1 min</u>, 5 min, <u>10 min</u>, 15 min, 30 min, 1 h, 2 h	Page 139

The descriptions in "Notification by e-mail" - "Warning mail" are changed as follows.
<table><tr><td>Indication</td><td colspan="2">Description</td></tr><tr><td>Status</td><td>RAID1 1down</td><td>: MAIN-<u>y</u> RAID1 1 DOWN
  EXT<u>x-y</u> RAID1 1 DOWN</td></tr><tr><td></td><td>RAID5 1down</td><td>: MAIN-<u>y</u> RAID5 1 DOWN
  EXT<u>x-y</u> RAID5 1 DOWN</td></tr><tr><td></td><td>RAID5 2down</td><td>: MAIN-<u>y</u> RAID5 2 DOWN
  EXT<u>x-y</u> RAID5 2 DOWN</td></tr><tr><td></td><td>RAID6 1down</td><td>: MAIN-<u>y</u> RAID6 1 DOWN
  EXT<u>x-y</u> RAID6 1 DOWN</td></tr><tr><td></td><td>RAID6 2down</td><td>: MAIN-<u>y</u> RAID6 2 DOWN
  EXT<u>x-y</u> RAID6 2 DOWN</td></tr><tr><td></td><td>RAID6 3down</td><td>: MAIN-<u>y</u> RAID6 3 DOWN
  EXT<u>x-y</u> RAID6 3 DOWN</td></tr></table>
	Page 194

The following descriptions are added to "Notification by e-mail" - "Warning mail". <table><tr><td>Indication</td><td colspan="3">Description</td></tr><tr><td>Status</td><td>HDD skip</td><td>: Main unit</td><td>MAIN-<u>y</u> HDD SKIP MAIN-y,y HDD SKIP MAIN HDD SKIP</td></tr><tr><td></td><td></td><td>: Extension unit</td><td>EXTx-y HDD SKIP EXTx-y,y HDD SKIP EXTx HDD SKIP</td></tr></table>	Page 194

WJ-NX300K, WJ-NX300K/G   New functions (Software V3.00)

The recorder will be able to provide the following new functions by updating the software.

It also contains the latest information related to the Operating Instructions.

Details on the new functions and revisions	Reference pages
Restrictions has been added to section "**When displaying live images from the camera**" of "**Restrictions when using this product**". ● When a live image from a camera with a recording frame rate set to 30 ips (25 ips) is displayed on a monitor with 4K output, some subjects may not be displayed smoothly.	Page 5
New restrictions have been added to the restrictions on the network cameras WV-S8530N and WV-X8570N added to V2.30. ● After the date and time display of the camera is set from the recorder, the date and time display setting will become same for all camera numbers of the same camera (☞ Page 18).	Page 19 of this New functions (Software V2.30) flyer
Restrictions has been added to section "Restrictions when using this product". **When registering the network cameras WV-S1570L, WV-S2270L and WV-S2570L** ● If the recording frame rate is set to 30 ips/25 ips, the multi-screen monitor display frame rate will drop to 15 ips/12.5 ips. ● When the resolution is 4KUHD (3840x2160) or 8 M (2160x3840) and the compression mode is H.265 (Smart coding Off), the image quality of 25 ips and more is set; for XF and H.264,the image quality of 10 ips and more is set; for XF, the image quality of 25 ips and more is set; for SF, the code rate exceeds 12 Mbps, so the SD backup cannot be run. In addition, even if these settings are changed in the SD backup, the code rate will not be changed and the video will not be recorded correctly.	Page 5
Description has been added in section [Compression] in "Change the registered information". **Note:** ● If "Do not use stream 2 of camera with each function of this recorder" is switched to ON, H.264(2) and H.265(2) are not used. (☞Page 5 of this New functions flyer)	Page 15
"Self return", "Advanced individual camera setup" and "Schedule" are added to [Camera Setup] tab. ![Camera setup screen] Camera > Camera setup Camera registration / Camera setup / Advanced setup After configuring the following items, transfer them to each camera. Basic — Date & time display, Display title, Indicator Image — Transmission priority, Refresh interval, Upside-down, Image rotation, Pan/tilt-flip, Self return Image adjust — Super Dynamic (Wide dynamic range), Adaptive black stretch, Back light compensation (BLC), Light control mode, Auto slow shutter (Maximum shutter), Day & Night (IR/electrical), Intelligent auto Alarm — VMD alarm, Advanced individual camera setup Network Microphone — Microphone sensitivity Schedule — Schedule 1, Schedule 2, Schedule 3, Schedule 4	Page 17

Details on the new functions and revisions	Reference pages

The function to change the Self return function setting of camera is added.

Camera > Camera setup > Self return

| Camera registration | Camera setup | Advanced setup |

Self return

Check and select the setting items to transfer to each camera.
When the [Transmission] button is clicked, the setting will be applied to the selected cameras, and the transmission result will be displayed.

Setting items

| | Self return | Home position ▼ |
| | Self return time | 1 min ▼ |

Camera selection

Camera	Select	Model	Results
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

[Transmission]　[Back]

Set self return [Self return]
Select the self-return function for individual cameras and transfer it to the camera to change the camera settings.

[Self return]
After the manual operation is completed, once the time set by the "Self return time" is passed, any of the selected camera operation modes will be automatically returned.
　Off: Do not perform self return.
　Home position: Return to home position as soon as the set time elapses.
　Auto track: Return to home position and begin auto-track (auto rear-ending) operation as
　　　　　soon as the set time elapses. After that, the operation of returning to home position
　　　　　and beginning auto-track (auto rear-ending) after a certain period of time is
　　　　　repeatedly executed.
　Auto pan: Begin auto-pan operation as soon as the set time elapses.
　Preset sequence: Sorting operation begins as soon as the set time elapses.
　Patrol: Patrol operation begins as soon as the set time elapses.

[Self return time]
After the manual operation is completed, select the deadline time to return to the "Self return" setting from the following items.
　10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min

■ Camera selection
Select the camera that transfers the self return setting. In the setting items, check the camera that transfers the selected content.

[Transmission] button
Transmit the setting of the "Self return" to the camera.
Once transmission is completed and the setting has been applied to the camera, "OK" will be displayed in the "Results" field.
If the display reads "Authentication error", etc., the camera connection or the setting may have failed.

[Back] button
Click the button after completing the settings. The screen returns to the [Camera setup] tab.

Details on the new functions and revisions	Reference pages
The function for setting the motion detection alarm of individual cameras is added.	Page 33

Set up VMD alarm for individual cameras [VMD alarm (Advanced individual camera setup)]
Select the motion detection area and detection sensitivity for each camera and transmit the information to the cameras to change the camera settings.
Clicking the "Advanced individual camera setup" [Setup >] button for "VMD alarm" on the [Camera setup] tab will display the setup page.

Note:
● This menu collects setting information from the selected camera and applies it on the setting screen.
● Only the fisheye network camera can set the "Fisheye" mode.
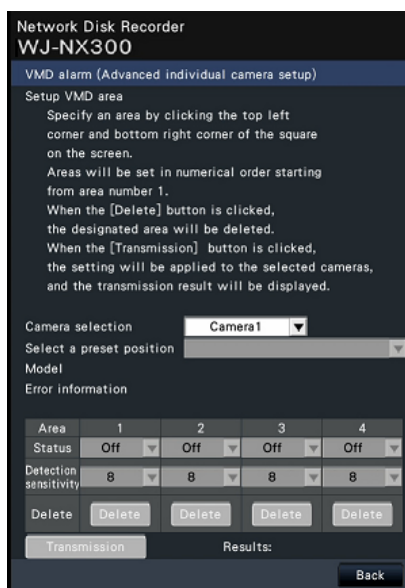
[Camera selection]
Select the camera for which you want to set the VMD alarm.
[Select a preset position]
If the selected camera is a camera with preset function, the preset position is selected.
[Model] [Error information]
See Page 18.
[Setup VMD area]
Click the top left corner and bottom right corner of the square on the screen, set the specified position as area 1, and display the area box. Area will be set in numerical order starting form area number 1. When the [Delete] button is clicked, the designated area will be deleted.

Note:
● Depending on the position of the area box, it is sometimes corrected slightly after the transfer settings.
● If the area box is too small, the area number will not be displayed correctly.

[Status]
When the motion detection area is set to Off, the status of the area will be switched to "Off".
[Detection sensitivity]
Set the sensitivity when moving within the area to be detected.
　1 (low) ~ 15 (high)
[Transmission] button
Transmit the setting of the "VMD alarm" to the camera. Once transmission is completed and the setting has been applied to the camera, "OK" will be displayed in the "Results" field. When the Error information is not displayed as "-", it cannot be transferred to the camera.
[Back] button
Click the button after completing the settings. The screen returns to the [Camera setup] tab.
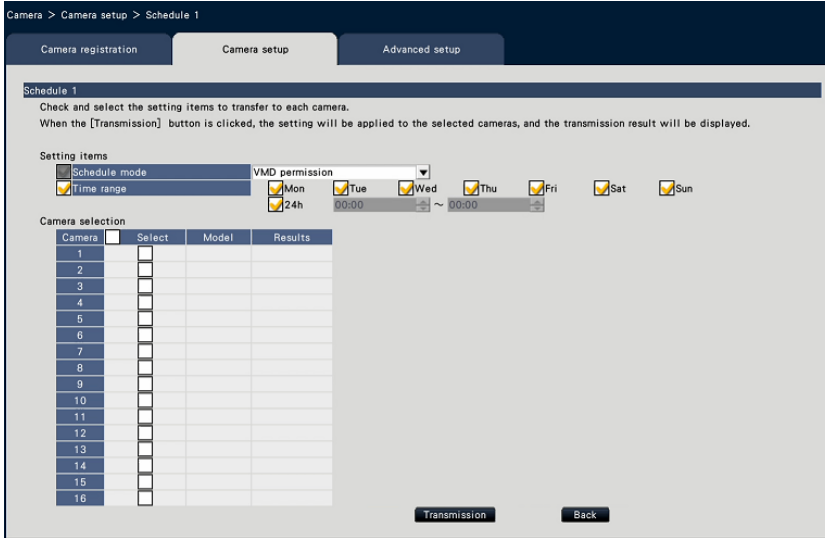
Details on the new functions and revisions	Reference pages
The function of setting Schedule mode and Schedule range for individual cameras is added.	Page 33

Set schedule [Schedule 1 to Schedule 4]
Select the Schedule mode and Schedule range for individual cameras and transfer to the camera to change the camera settings.

[Schedule mode]
Select the schedule operation.
Off: Do not perform the schedule operation.
Alarm permission (Terminal alarm 1,2,3): Allow the terminal to input an alarm during the set range of the schedule.
Alarm permission (Terminal alarm 1): Allow Terminal 1 to input an alarm during the set range of the schedule.
Alarm permission (Terminal alarm 2): Allow Terminal 2 to input an alarm during the set range of the schedule.
Alarm permission (Terminal alarm 3): Allow Terminal 3 to input an alarm during the set range of the schedule.
VMD permission: Allow VMD during the set range of the schedule.
Preset position: 1 to Preset position: 8: After the time is set for the schedule, it moves to the position selected from the preset position registered in advance.

[Schedule]
Check the boxes for the day you want to set the schedule range. Set the start time and the end time when you want to specify a time period. Check "24 h" when the time period is not set.

■ Camera selection
Select the camera to which the setting of the "Schedule" is to be sent. Mark the checkbox of the camera to which the setup information is to be transmitted.
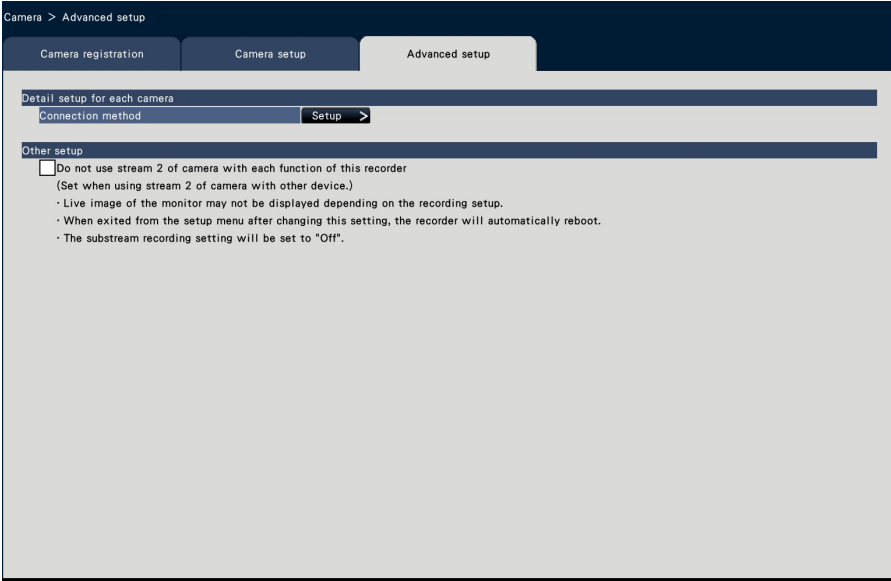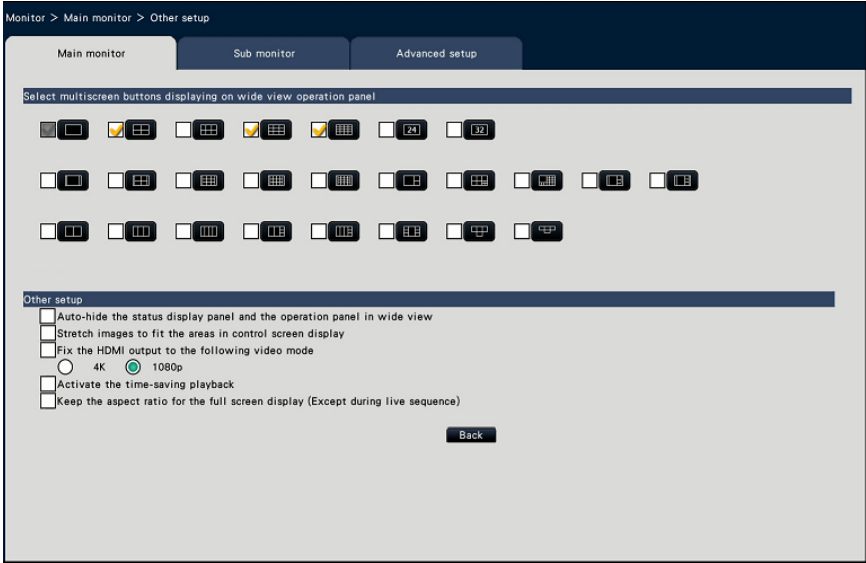
[Transmission] button
Transmit the setting of the "Schedule" to the camera.
Once transmission is completed and the setting has been applied to the camera, "OK" will be displayed in the "Results" field. If the display reads "Authentication error", etc., the camera connection or the setting may have failed.

[Back] button
Click the button after completing the settings. The screen returns to the [Camera setup] tab.

Details on the new functions and revisions	Reference pages
"Other Setup" is added to [Advanced Setup] tab. ■ **Other setup** **[Do not use stream 2 of camera with each function of this recorder.]** If this item is checked, the multi-screen real-time display of the main monitor and sub monitor will also display the stream selected by the recording setup. **Note:** ● The live image of the monitor may not be displayed depending on the recording setup. ● The sub-stream recording setting will be set to "Off".	Page 34
Description has been added in [Referenced recording days]. **Note:** ● When the "Auto data delete" (☞ Page 66) is set to other than "Off", the set number of days will be recorded at the same time.	Page 36
The following resolution has been added to the aspect ratio of 9:16 in **[Image capture size]** of "**Set up recording for individual cameras [Advanced recording setup]**" 8 M(2160x3840)	Page 38 and Page 19 of this New functions (Software V2.30) flyer
The initial setting has been added to [Emergency audio recording] in [Emergency recording setup]. Default: Off	Page 12 of this New functions (Software V2.40) flyer
Description has been added to the Important of "Acquire the image saved on the SD memory card" of "Configure the advanced settings for recording and events [Advanced setup]". ● This function saves only image data to the HDD. The information for audio data and the VMD search will not be saved.	Page 44

Details on the new functions and revisions	Reference pages
The default value of "Fix the HDMI output to the following video mode" has been changed from "4K" to "1080p". Monitor > Main monitor > Other setup Main monitor Sub monitor Advanced setup Select multiscreen buttons displaying on wide view operation panel Other setup ☐ Auto-hide the status display panel and the operation panel in wide view ☐ Stretch images to fit the areas in control screen display ☐ Fix the HDMI output to the following video mode ○ 4K ● 1080p ☐ Activate the time-saving playback ☐ Keep the aspect ratio for the full screen display (Except during live sequence) Back	Page 47
Description have been added to [Display 1-screen live image on stream 2] of "Configure other settings relating to monitors [Advanced setup]". **Note:** • The frame rate of the live image varies depending on the camera model and camera mode.	Page 49
The description of "Restrictable operations" has been changed and added. Change * It is recommended to restrict "Setup" to the <u>manager/administrator</u>. Add * If the user level is not displayed for the camera image, it is recommended that the "Copy"operation among same user level will not be allowed.	Page 58
The initial setting is added to [HDD Remaining capacity notice] of [HDD Information] confirming the hard disk information. Default: Off	Page 15 of this New functions (Software V2.40) flyer
Description of "About the removal process and the link process of hard disk drives" has been changed. Current description When replacing hard disk drives, it is necessary to perform the removal process/ the link process. Change description When replacing the HDD, you need to remove the HDD before replacing it. When the status of the replaced HDD is "Playback-only", in addition to the formatting of the HDD, it can be made into a recordable HDD by embedded processing.	Page 73
The underlined date option has been added to [Group1] and [Group2] in "Set the recording group [Recording group setup]". Unlimited/ 1 day/ …/ 10 days/ 14 days/ 30 days/ <u>31 days</u>/ 45 days/ 60 days/ <u>62 days</u>/ 90 days/ <u>92 days</u>/ 120 days/ <u>123days</u>/ 150 days/ <u>153 days</u>/ 180 days/ 184 days	Page 75

Details on the new functions and revisions					Reference pages
New setting items are added to the lists of the setting items as new functions have been added. Camera > Camera setup					Page 79

Setting item		Available range	Default	Remarks
Self return	Self return	Off, Home position, Auto track, Auto pan, Preset sequence, Patrol		
	Self return time	10 s, 20 s, 30 s, 1 min, 2 min, 3 min, 5 min, 10 min, 20 min, 30 min, 60 min		
	Camera selection	Checked/Not checked		

New setting items are added to the lists of the setting items as new functions have been added. Camera > Camera setup — Page 79

Setting item		Available range	Default	Remarks
VMD alarm (Advanced individual camera setup)	Areas	(Rectangle of Area 1 to Area 4)		
	Status	On, Off		
	Detection sensitivity	1 (low), 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (high)		

New setting items are added to the lists of the setting items as new functions have been added. Camera > Camera setup — Page 79

Setting item		Available range	Default	Remarks
Schedule 1 to Schedule 4	Schedule mode	Off, Alarm permission (Terminal alarm 1,2,3), Alarm permission (Terminal alarm 1), Alarm permission (Terminal alarm 2), Alarm permission (terminal alarm 3), VMD permission, Preset position: 1, ... Preset position: 8		
	Days (Mon to Sun)	Checked/Not checked		
	Time	00:00 ~ 23:59		
	24 h	Checked/Not checked		
	Camera selection	Checked/Not checked		

New setting items are added to the lists of the setting items as new functions have been added. REC&event > Recording setup — Page 81, Page 82

Setting item		Available range	Default	Remarks
Advanced recording setup	Image capture size	When the aspect ratio is 9:16 8M(2160x3840)	VGA(640 ×480)	◎
	Rate	1 ips, 3 ips, 5 ips, 10 ips, 12.5 ips,15 ips, 25 ips, 30 ips, 50 ips, 60 ips	10ips	◎
	Event	1 ips, 3 ips, 5 ips, 10 ips, 12.5 ips, 15 ips, 25 ips, 30 ips, Same as the basic	Same as the basic	◎
	Emergency	1 ips, 3 ips, 5 ips, 10 ips, 12.5 ips, 15 ips, 25 ips, 30 ips, Same as the basic	Same as the basic	◎

Default is changed. Monitor>Main Monitor — Page 85

Setting item		Available range	Default	Remarks
Other setup	Fix the HDMI output to the following video mode	4K, 1080p	1080p	◎

Details on the new functions and revisions	Reference pages

New setting items are added to the lists of the setting items as new functions have been added.
  HDD management>General

Setting item		Available range	Default	Remarks
Recording group setup	Group1	Unlimited, 1 day, ..., 10 days, 14 days, 30 days, 31 days, 45 days, 60 days, 62 days, 90 days, 92 days, 120 days, 123 days, 150 days, 153 days, 180 days, 184 days	Unlimited	◎
	Group2	Unlimited, 1 day, ..., 10 days, 14 days, 30 days, 31 days, 45 days, 60 days, 62 days, 90 days, 92 days, 120 days, 123 days, 150 days, 153 days, 180 days, 184 days	Unlimited	◎

Reference: Page 91

[Black] is added to "Camera number panel" of "Wide view operation panel".
  Camera number [CAM]:
    (Character color)
      White: Camera is registered (in the recording).
      Black: Camera is registered (not in the recording).
      Gray: Camera is not registered.

Reference: Page 106

Following table has been added to note in "Change the camera display position on the screen".
【4K monitor connection, H.264/H.265, no sub-monitor display, no re-encoding transmission】

Image capture size / Multiplescreen display	HVGAW（640x360)～0.4M(640x640)	SVGA(800x600)～FHD(1920x1080)	QXGA(2048x1536)～12M(4000x3000)
1-screen ～4-screen display	○	○	○
5-screen～16-screen display	○	×	○
24-screen, 32-screen	○	○	○

Reference: Page 108

The following content has been added to Important in "Format USB medium".
● USB media of file systems such as NTFS that are not recognized by this recorder will not be formatted.

Reference: Page 146

Items are added to "Troubleshooting".

Symptom	Cause/solution	Refernce
Audio communication errors and communication errors occur, camera images are not displayed, and video recording is not possible.	The camera's audio transmission mode may not be set correctly. Please confirm if the audio transmission mode setting is listening or bidirectional setting. In the status where the camera is connected, first switch the recording setting of this recorder to off, and turn it on again or return to (AAC-LC) On to set it correctly.	38

Reference: Page 206

WJ-NX300K, WJ-NX300K/G New functions (Software V2.50)

The recorder will be able to provide the following new functions by updating the software.

Details on the new functions and revisions	Reference pages
Restrictions has been added to section **"Restrictions when using this product"**. **When using viewer software** ●The playback speed may become slow when playing back high resolution high frame rate images.	Page 6
Terminal output test function has been added. **[Terminal output test]** Outputs a signal from ALARM/CONTROL connector on the rear panel of the recorder. Terminal: Selects the terminal at which to output the signal. Test output duration: Select the duration over which the signal is output as 2 seconds, 5 seconds, or 10 seconds. The signal will be output from the selected terminal when executed from the confirmation screen that is displayed by clicking [Execute] button.	Page 70
Smart coding function has been also added to **"Quick setup (Easy Start)"**.	Page 77
New setting items are added to the lists of the setting items as new functions have been added. Maintenance>System management	Page 89

Smart coding function has been also added to **"Quick setup (Easy Start)"**.

Setting item (including those of the "Advanced setup" menu)		Available range	Default
Recording setup (The same setting for all cameras)	Smart coding (GOP control)	Off, On (Advanced)	Off

New setting items are added to the lists of the setting items as new functions have been added.
Maintenance>System management

Setting item		Available range	Default	Remarks
Function for maintenance	Terminal output test (Terminal)	Time adjustment output, Network error output, Camera error output, HDD error output/Recording error output, Recorder error output, Face matching output, Alarm output	Time adjustment output	◎
	Terminal output test (Output duration)	2 s, 5 s, 10 s	2 s	◎

Details on the new functions and revisions	Reference pages
Description has been changed in section "Sequence button" in "Wide view operation panel" Note: ●When using the sub-monitor, it is not possible to display camera images in the 9-screen live sequence and the 16-screen live sequence in the case of a camera set to a resolution higher than 0.4M (640×640) and the compression method to JPEG (even when the 4-stream mode of the fisheye camera is H.264/H.265).	Page 106
Description has been changed in section "Download recorded images currently being played", Important. Important: ●Please register the address of this product to the trusted sites of Internet Explorer in advance.	Page 181
Description has been added in section "Download recorded images currently being played", step 6. Note: ●When the size of the file being downloaded exceeds 2GB, the file will be divided automatically, and the downloading is continued as a different file from the point at which the file division occurred.	Page 182
Smart coding function and audio function have been added to **[Easy Start]**. **［Smart coding (GOP control)］** Select when you use the smart coding (GOP control) function of the camera. On(Advanced)　: Uses the smart coding. Off　　　　　: Does not use the smart coding. Default　　　: Off Refer to "readme.txt" for model numbers and version information of cameras that have the smart coding (GOP control) function.	Installation Guide Page 35

WJ-NXF02、WJ-NXF02W　New functions (Software V2.50)

Details on the new functions and revisions	Reference pages
Description has been changed in section **"Face matching and statistical processing"**. ●Depending on the type of the camera and its software version, it is not possible to use this product if the connection method for "Security between this product and PC" is set as HTTPS. Please set this to HTTP&HTTPS. Refer to the "readme.txt" on the CD-ROM provided with recorder about the supported cameras.	Page 5

WJ-NX300K, WJ-NX300K/G   New functions (Software V2.40)

The recorder will be able to provide the following new functions by updating the software.

Details on the new functions and revisions	Reference pages
Password function has been enforced. The password must be between 8-32 characters including the half width alphanumeric and the symbol. Also, for the password, use three or more types of characters from upper- and lowercase alphabetic characters, numbers, and symbols. Set a password which does not include the user name.	Page 59
Password function has been enforced. The password must be between 8-32 characters including the half width alphanumeric and the symbol. Also, for the password, use three or more types of characters from upper- and lowercase alphabetic characters, numbers, and symbols. Set a password which does not include the administrator name.	Page 61
Password function has been enforced. The password must be between 8-32 characters including the half width alphanumeric and the symbol. Also, for the password, use three or more types of characters from upper- and lowercase alphabetic characters, numbers, and symbols.	Page 65

Details on the new functions and revisions	Reference pages

Emergency recording function has been added.
 	
REC & event > Advanced setup
 	
| Recording setup
	Event setup	**Advanced setup** |
		
		Recording mode On ▼
		・Select "Off" for "Recording mode" to stop all the recordings forcibly.
		
		Alarm disarm duration 2 s ▼
		Panasonic alarm port number 01818 ⬍
		Emergency recording setup Setup >
		SD backup rec. Setup >
		Smart coding (GOP control) Setup >
		Sub-stream recording Setup >
		Special days Setup >
		Other setup Setup >
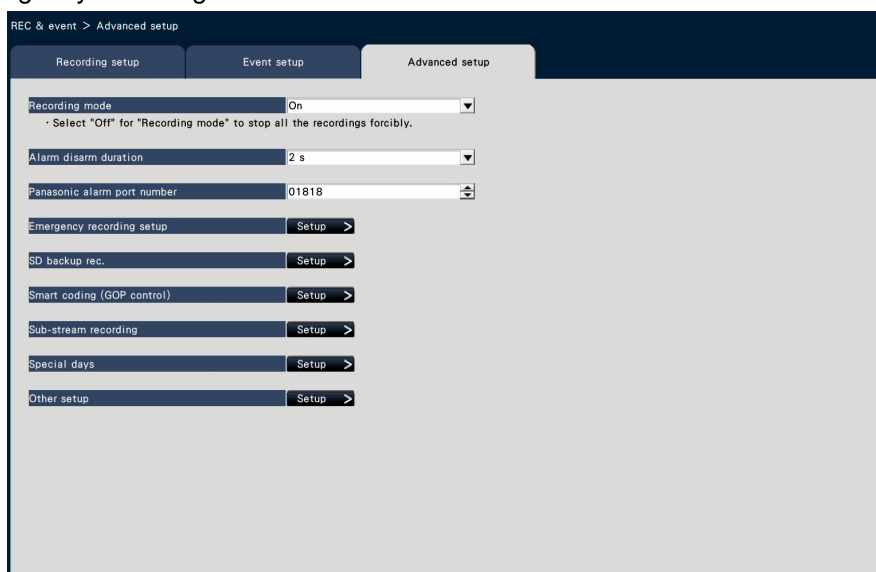		
		〔Emergency recording setup〕
		    Configure the settings related to emergency recording
		
		REC & event > Advanced setup > Emergency recording setup
		
		| Recording setup
			Event setup	**Advanced setup** |
				
				Emergency recording setup
				Recording time 30 s ▼
				Emergency audio recording Off ▼
				・This setting is to record audio only for emergency recording with a camera that "Audio" of "Recording Setup" under "REC & event" is being set to "Off".
				・Other manufacturers' cameras are not supported.
				
				Back
				
				〔Emergency audio recording〕
				   If audio recording is not set for the camera, select whether to record audio only during emergency recording.
				     Off：Does not record audio even during emergency recording.
				     On：Records audio only during emergency recording.（G.726 format）
				     On (AAC-LC）：Records audio only during emergency recording.（AAC-LC format）
				   Note:
				   ・For cameras without audio recording, audio will not be recorded even when it is set to a value other than "Off".
				   ・Depending on the timing when emergency recording is started, audio may be recorded at the end of the previous recording data just before the emergency recording.
					Page 43

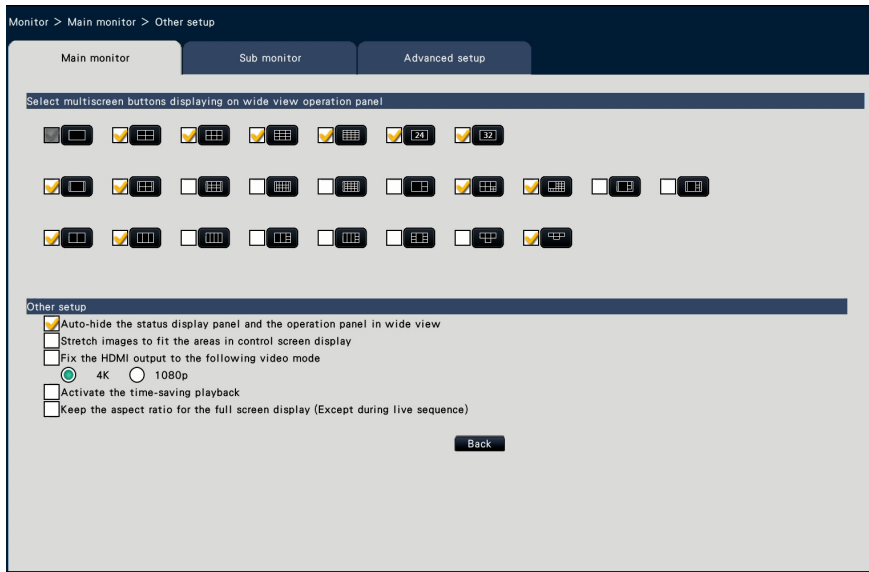| Details on the new functions and revisions	Reference pages
A function to keep the aspect ratio for the full screen display has been added.	Page 47

Monitor > Main monitor > Other setup

| Main monitor | Sub monitor | Advanced setup |

Select multiscreen buttons displaying on wide view operation panel

Other setup

Auto-hide the status display panel and the operation panel in wide view
Stretch images to fit the areas in control screen display
Fix the HDMI output to the following video mode
   ● 4K   ○ 1080p
Activate the time-saving playback
Keep the aspect ratio for the full screen display (Except during live sequence)

Back

Keep the aspect ratio for the full screen display (Except during live sequence)
For "multiscreen select" of each wide view except for live sequence, select whether to change the aspect ratio of the displayed area if the aspect ratio of the image is different from the displayed area.
  Checked：Keeps aspect ratio (Does not change the ratio automatically)
  Not checked：Does not keep aspect ratio (Changes the ratio automatically)
  Default：Not checked

Details on the new functions and revisions	Reference pages
Dynamic DNS/ DDNS function has been added.	Page 51

■ DDNS Setup
Select the DDNS service to determine whether or not to use DDNS.
  Off: Does not use the DDNS function.
  Viewnetcam.com: Uses the "Viewnetcam.com" service.
 Dynamic DNS update: Uses Dynamic DNS Update (RFC2136 compliant).
Default: Off

Important:
• If using a third party DDNS service, it is necessary to set the port forwarding for the router before use.
• About Dynamic DNS Update (RFC2136 compliant) Operation not using "Viewnetcam.com" service but using a third party DDNS service is not guaranteed. We are not responsible for any troubles or accidents on the circumstances where the camera is used arising out of such services. If using a third party DDNS service (not using the "Viewnetcam.com"), refer to the DDNS service provider for its configuration.

Details on the new functions and revisions	Reference pages
View HDD remaining capacity function has been added	Page 64
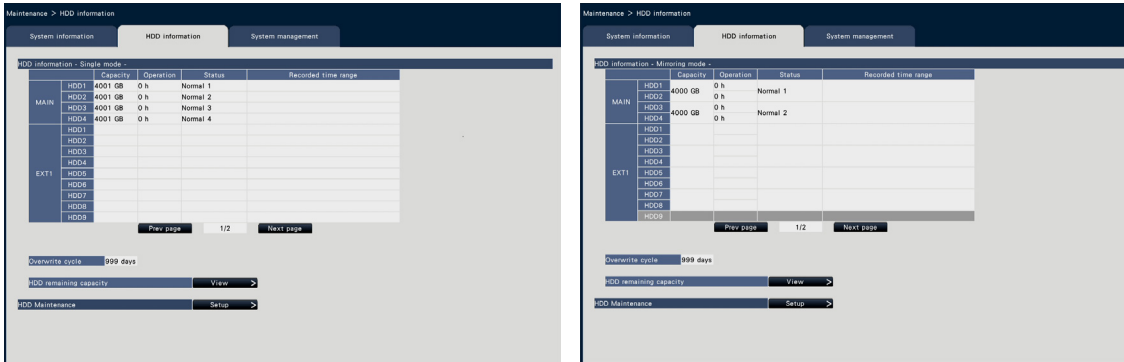
[**HDD remaining capacity**]
    Displays remaining capacity of HDD. Also, the timing to notice when the capacity becomes low can be set. Click [View] button to display HDD remaining capacity.
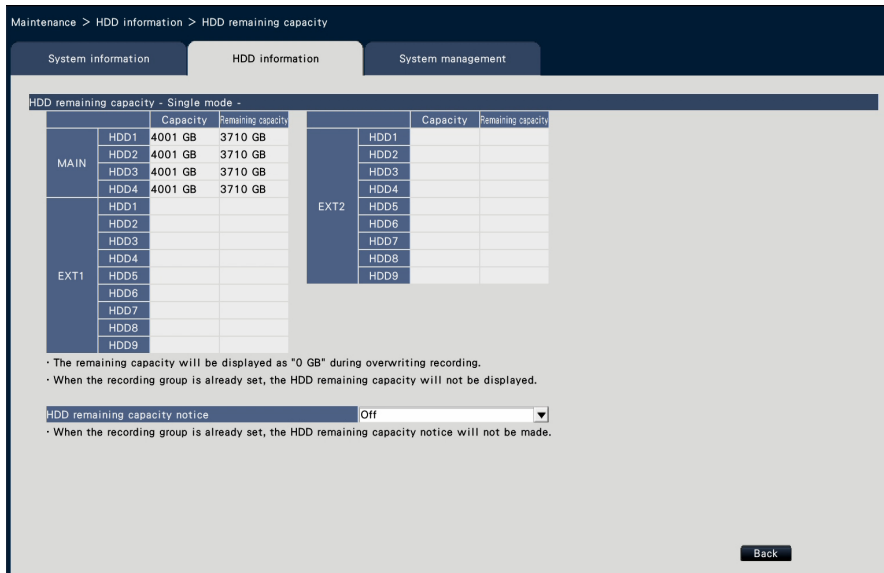
    Example above shows the screen for single mode.

[**Capacity**]
    Displays the capacity of HDD.
[**Remaining capacity**]
    Displays remaining capacity of HDD.
    Note
    ・Remaining capacity displayed does not include capacity used to manage data. Therefore, the displayed HDD capacity is less than the actual amount.
    ・Remaining capacity will displayed as 0GB if the whole space of the HDD is used up by recording data.
[**HDD Remaining capacity notice**]
    Set the notification timing for when the remaining capacity of HDD becomes low compared to the total capacity. There are E-mail notification and original notification.
    Off：Does not perform HDD remaining capacity notice.
    1%〜10%：Notifies when remaining capacity becomes below the set value.

Details on the new functions and revisions	Reference pages
A function to measure the network transmission/reception speed has been added. **[Measure the network transmission/reception speed]** Used to measure the amount of network traffic transmitted from the recorder. Click the [Execute] button and execute from the confirmation window displayed. After configuration is completed, measuring starts. The result of measurement will be displayed after measurement finishes. Note ・Measurement is made from about 8 seconds after setting is done and will continue measuring for 10 seconds. ・Status display area of operation screen will display " Measuring" while measuring. ・The result of measurement is the sum of all network ports. ・The result of measurement is only for reference. It may differ depending on the network environment.	Page 70
New setting items are added to the lists of the setting items as new functions have been added. REC & event>Advanced setup <table><tr><td colspan="2">Setting item</td><td>Available range</td><td>Default</td><td>Remarks</td></tr><tr><td>Emergency recording</td><td>Recording time</td><td>30 s, 1 min, 3 min, 5 min, 10 min, 15 min, 30 min, Manual, Ext.</td><td>30 s</td><td>◎</td></tr><tr><td></td><td>Emergency audio recording</td><td>Off、On、On(AAC-LC)</td><td>Off</td><td>◎</td></tr></table>	Page 82
New setting items are added to the lists of the setting items as new functions have been added. Monitor>Main monitor>Other setup <table><tr><td>Setting item</td><td>Available range</td><td>Default</td><td>Remarks</td></tr><tr><td>Activate time-saving playback</td><td>Checked/Not checked</td><td>Not checked</td><td>◎</td></tr><tr><td>Keep the aspect ratio for the full screen display (Except during live sequence)</td><td>Checked/Not checked</td><td>Not checked</td><td>◎</td></tr></table>	Page 85
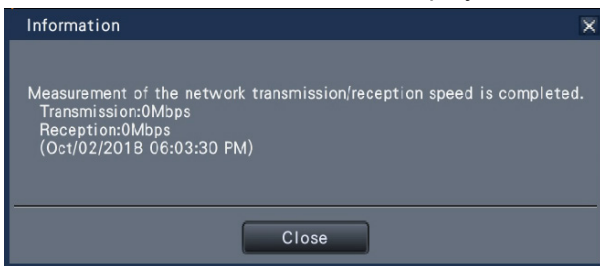
Details on the new functions and revisions	Reference pages
New setting items are added to the lists of the setting items as new functions have been added. Network>Basic	Page 85

Setting item		Available range	Default	Remarks
DDNS Setup	DDNS	Off, Viewnetcam.com, DDNS update	Off	◎
	Host name (DDNS update)	(Text will be entered.)	NWDR	◎
	Access interval (DDNS Update)	10 min, 20 min, 30 min, 40min, 50 min, 1 h, 6 h, 24 h	1 h	◎

Details on the new functions and revisions	Reference pages
New setting items are added to the lists of the setting items as new functions have been added. Maintenance>HDD Information	Page 88

Setting item	Available range	Default	Remarks
Remaining capacity	(Indication only)	(Indication only)	◎
HDD remaining capacity notice	Off、1%、2%、3%、4%、5%、6%、7%、8%、9%、10%	Off	◎

Details on the new functions and revisions	Reference pages
New setting items are added to the lists of the setting items as new functions have been added. Maintenance>System management	Page 89

Setting item		Available range	Default	Remarks
Function for maintenance	Measure the network transmission/reception speed	(None).	(None)	◎

Details on the new functions and revisions	Reference pages
Error Logs Added	Page 95

Description	Display of the status display panel	Error log	Front LCD Display	Output from connector
HDD remaining capacity notice	-	HDD remaining capacity：1%～ HDD remaining capacity：10%	-	-

Details on the new functions and revisions	Reference pages
Warning mail Added	Page 194

Indication	Description
	HDD remaining capacity notice：HDD CAPACITY REMAINS **% ** indicates the percentage of remaining capacity

WJ-NXF02、WJ-NXF02W　　New functions (Software V2.40)

The recorder will be able to provide the following new functions by updating the software.

Details on the new functions and revisions	Reference pages
High quality mode is available. 	Page 11
Configure the mode settings for "Face matching" and "Accumulate statistics data" [Common] ［**High quality mode**］ 　Set the bit rate to 4096kbps regardless of the camera model or the compression format being used. 　　Off：Operates in normal mode. Settings will be selected automatically. (see page 6) 　　On：Operates in high quality mode.	
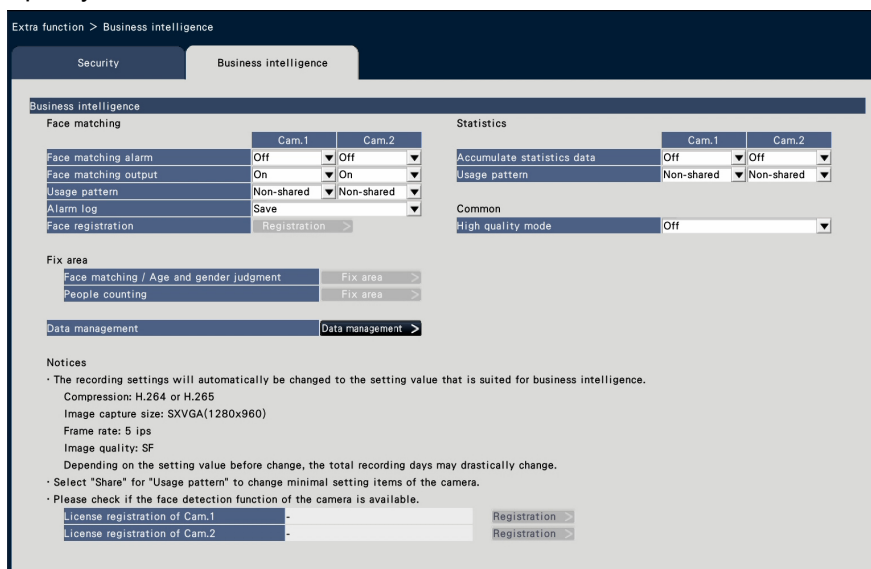
WJ-NX300K, WJ-NX300K/G   New functions (Software V2.30)

The recorder will be able to provide the following new functions by updating the software.

Details on the new functions and revisions	Reference pages

Restrictions are added.
 	
When using the web browser
•The live audio may be interruptedly output regularly if the camera image display is set to high resolution of JPEG and the audio encoding format is set to AAC.
•The update of live images and playback images may be delayed if the camera is set to H.265 with high resolution.
 	
When registering the network cameras, WV-S8530N and WV-X8570N
•Set the following values for each camera number of the same camera.
    •Camera authentication
    •Compression and capture size of camera images
    •Recording settings (audio encoding format) *for WV-X8570N only.
    •SD backup setup
    •Security between this product and cameras (connection, data encryption setting)
•MJPEG cannot be selected for compression of images.
•The SD backup of WV-X8570N is available only when its compression of images is H.265(1) and image capture size is WQHD(2560x1440).
•Auto-IP address assignment is only available for S8530-1 or X8570-1. (☞ Page 13)
•The settings may not be reflected if you set and send values for multiple camera numbers of the same camera. If an error occurs, select a camera number that the error occurs and send the setting again. (☞ Page 17)
•The VMD alarm of the camera can not be set on the recorder. Set the VMD alarm of the camera on the VMD area tab of the setting menu on the camera side. (☞ page 33)
 	
When backing up the SD memory card
•The product may not record images as set in the product if SD memory cards rather than those supporting the speed class 10 are used. Refer to the operating instructions of the camera for further information.
•If bandwidth control of the camera is changed to a value other than the initial value, the SD backup may not function. Refer to the operating instructions of the camera for further information.
	Page 6

The following image capture sizes are added. **Set up recording for individual cameras [Advanced recording setup]** **[Image capture size]** "7M(3072x2304)" is added to the aspect ratio of 4:3. "5M(3072x1728)" is added to the aspect ratio of 16:9. "4M(1440x2560)" and "5M(1728x3072)" are added to the aspect ratio of 9:16.	Page 37, Page 38
Description is added. **Acquire the image saved on the SD memory card** **Important:** •After setting the SD memory backup function to "On", manually acquire the SD backup data from the camera. (☞ Page 70) Beginning the next day, data acquisition will be automatically performed a quarter past every hour.	Page 44

Details on the new functions and revisions	Reference pages
Wide view layout is added.	Page 47
The camera partitioning function is added. **[Camera partitioning]** Select which control range each camera should follow. Common setting: The camera follows "User level settings" of "User management>Basic". Individual setting: The camera follows camera partitioning settings set for each user. Click the [Setup >] button to set the camera partitioning individually. **Set the camera partitioning individually.** Set availability of image display and camera operation in each camera for the assigned user. View/Operate: Enables display of live/recorded images and camera operation. View: Enables display of live/recorded images, but disables camera operation. Off: Disables display of live/recorded images and camera operation. **Note:** •Camera operation is not available when "Camera control" is limited in "User level settings" of the [Basic] tab for the operation level of the assigned user, even if "View/Operate" is set.	Page 59
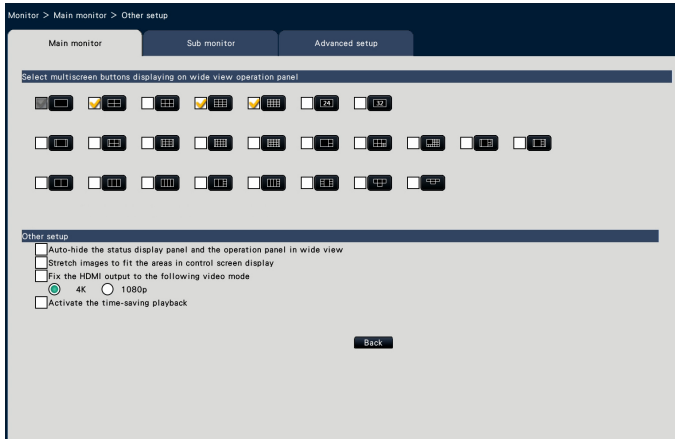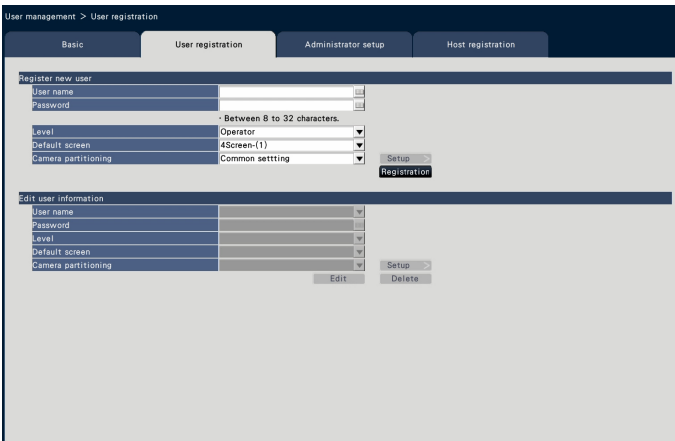
Details on the new functions and revisions	Reference pages
Functions to format and remove HDDs without stopping recording are added. **[HDD Maintenance]** Set a password for the HDD viewer, format and remove HDDs. Click the [Setup >] button for HDD maintenance. The single mode screen is used for explanation. **[Format HDD]** Select a HDD to format and click the [Start] button to format the HDD. **Important:** 　•When a hard disk drive is formatted, all the recorded images will be erased. 　•HDDs with "Playback only" or "Added" status only can be selected. 　•After starting to format the HDD, copying and downloading in process will stop **[Remove HDD]** Select a HDD to remove and click the [Start] button to display the password confirmation window for the HDD viewer. When the entered value and the setting match, the HDD is removed. **Important:** 　•HDDs in recording cannot be selected. If the HDD stand-by control mode is On, a HDD following the HDD in recording also cannot be selected. If the operation mode of HDDs is the mirroring mode, one of the two HDDs in recording may be removed. 　•After starting to remove the HDD, copying and downloading in process will stop.	Page 64
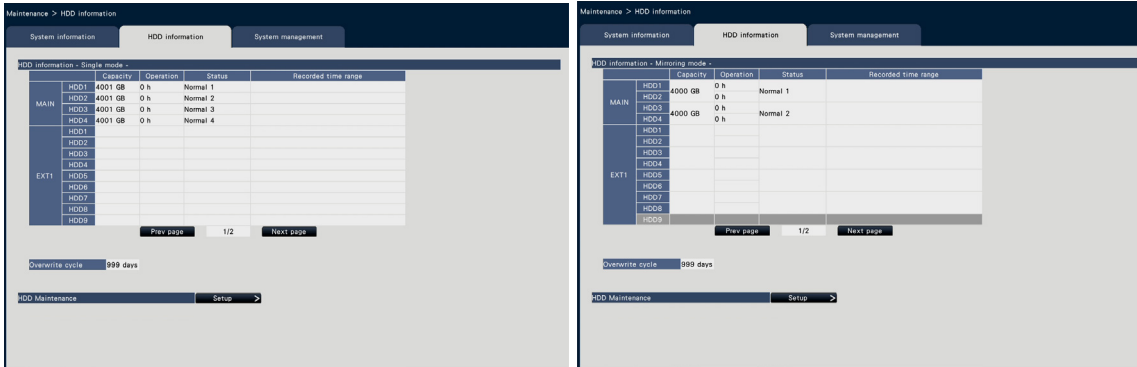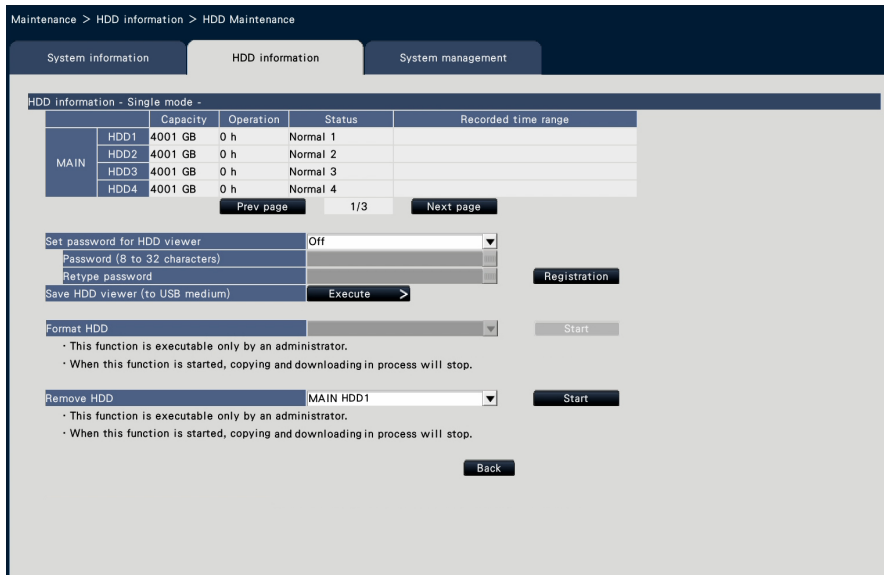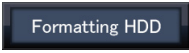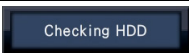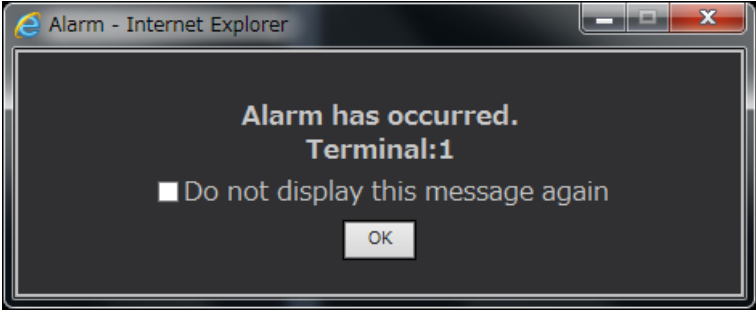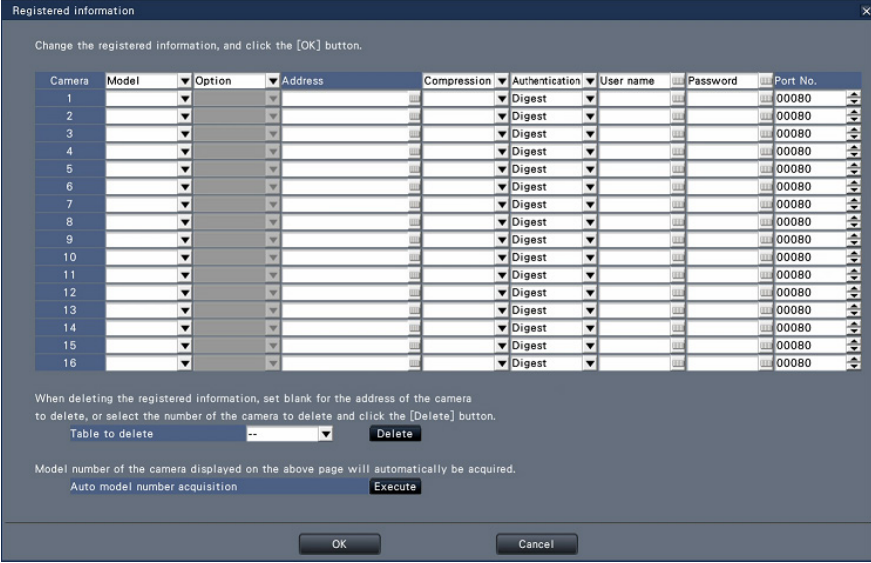
Details on the new functions and revisions	Reference pages
Description is changed. **Remove the HDD [Remove HDD]** **Step 2** •Check HDDs to remove and click the [Start] button <u>to display the confirmation window of the password for the HDD viewer. When the entered value and the setting match, the HDD is removed.</u>	Page 73

New setting items are added to the lists of the setting items as new functions have been added.
   REC & event>Recording setup>Advanced recording setup

Setting item	Available range	Default	Remarks
Image capture size	When the aspect ratio is 4:3 〜／7M(3072x2304)〜 When the aspect ratio is 16:9 〜／5M(3072x1728)〜 When the aspect ratio is 9:16 〜／4M(1440x2560)／ 5M(1728x3072)	VGA(640x480)	◎

Reference: Page 81

New setting items are added to the lists of the setting items as new functions have been added.
   Monitor>Main monitor>Other setup

Setting item	Available range	Default	Remarks
4-screen (T letter, 4:3)	Checked/Not checked	Not checked	◎
4-screen (T letter, 16:9)	Checked/Not checked	Not checked	◎

Reference: Page 84

New setting items are added to the lists of the setting items as new functions have been added.
   User management> User registration>Register new user

Setting items	Available range	Default	Remarks
Camera partitioning	Common setting, Individual setting	Common setting	◎
Camera partitioning (Individual setting)	View/Operate, View, Off	View/Operate	◎

Reference: Page 87

Layout of the lists of the setting items is changed and items are added due to added new functions.
   Maintenance>HDD information

Setting items		Available range	Default	Remarks
HDD Maintenance	Set password for HDD viewer	Off, On	Off	◎
	Password	(Text will be entered.)	(Blank)	◎
	Retype password	(Text will be entered.)	(Blank)	◎
	Save HDD viewer (to USB medium)	(None)	(None)	
	Download HDD viewer	(None)	(None)	★
	Format HDD	(HDD number)	(HDD number)	◎
	Remove HDD	(HDD number)	(HDD number)	◎

Reference: Page 88

Error Logs　Added・deleted

Description	Display of the status display panel	Error log	Outout from connector
HDD skip	-	HDD skip: MAIN-y HDD skip: EXTx-y <u>HDD skip:MAIN</u> HDD skip: EXTx	-
~~Alteration detection~~	~~Altered: Cam.cc~~	~~Altered: Cam.cc~~	~~Recorder error~~

Reference: Page 92

Details on the new functions and revisions	Reference pages
2 statuses are added to the status display monitor. ① **Status display area**	Page 100

Status	Description	Example	Priority
Formatting HDD	HDD is being automatically formatted.	Formatting HDD	3
Checking HDD	Identifying the HDD.	Checking HDD	3

An alarm pop-up inhibit function is added. When you check "Do not display this message again", the alarm message will not be displayed until the web browser is restarted even if an event occurs.	Page 170

Alarm - Internet Explorer

Alarm has occurred.
Terminal:1
■ Do not display this message again
OK

WJ-NX300K, WJ-NX300K/G   New functions (Software V2.20)

The recorder will be able to provide the following new functions by updating the software.

Details on the new functions and revisions	Reference pages

User authentication is added when accessing the camera.
 	
[Authentication]
    Set authentication used for the user authentication when accessing the camera.
        Digest: Uses digest authentication.
        Digest or Basic: Uses either digest or basic authentication.
        Basic: Uses basic authentication.
    Default: Digest
	Page 15

"Reset" and "Value" are added to "Adaptive black stretch" of the camera's adaptive black stretch function.
    [Adaptive black stretch]
        Reset: returns the adaptive black stretch setting to the default.
        Value: Adjusts brightness of a dark area in an image.
	Page 27

Port numbers which cannot be set are added. **Note:** 20, 21, 23, 25, 42, 53, 67, 68, 69, 79, 80, 105, 110, 123, 161, 162, 443, 546, 547, 995, 10001, 10002, 10003, 10004, 10005, 10006, 10007, 50000~50255	Page 43, Page 52 Page 53, Page 76

Details on the new functions and revisions	Reference pages
A static route is settable for configuration of the network.	Page 52
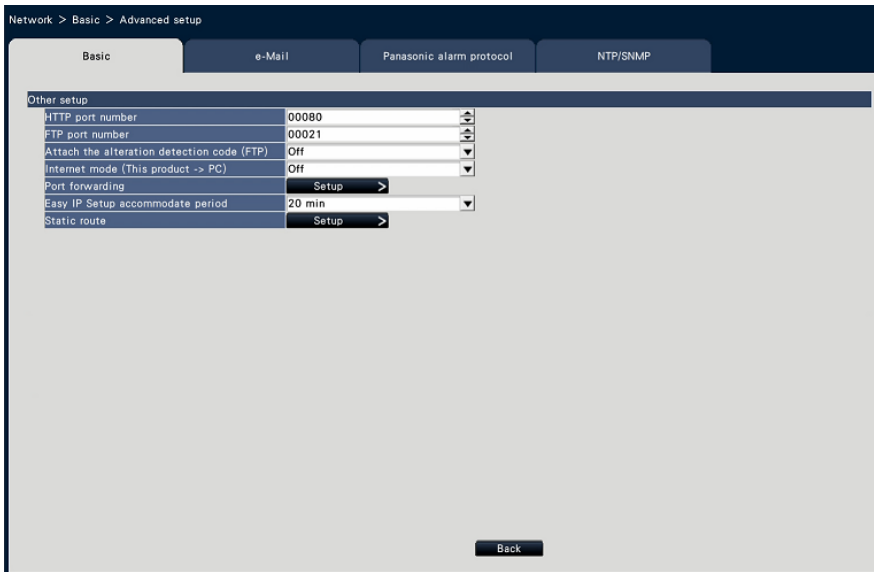
[Static route]
    Click the [Setup >] button to set a static route.

[Static route]
    Set a static route. Configure this setting after fully understanding the network environment of the recorder.
        On: Enables the static route.
        Off: Disables the static route.
[Address]
    Set the destination address. To change the IP address, click the [▲]/[▼] button.
[Subnet mask]
    Set the destination subnet mask. Enter in the same way as the address.
[Gateway]
    Set the destination gateway. Enter in the same way as the address.

Details on the new functions and revisions	Reference pages
Online user information is added. **Note:** • The number of login users indicates those who have logged into the recorder via network. • The number of FTP users indicates those who have logged into the recorder via FTP.	Page 63
Description of the [Registration] button on the "Set password for HDD viewer" screen is added. 　[Registration] button 　　Register the password that you have set.	Page 65
The location of the [Reset all settings] button is changed. 	Page 66
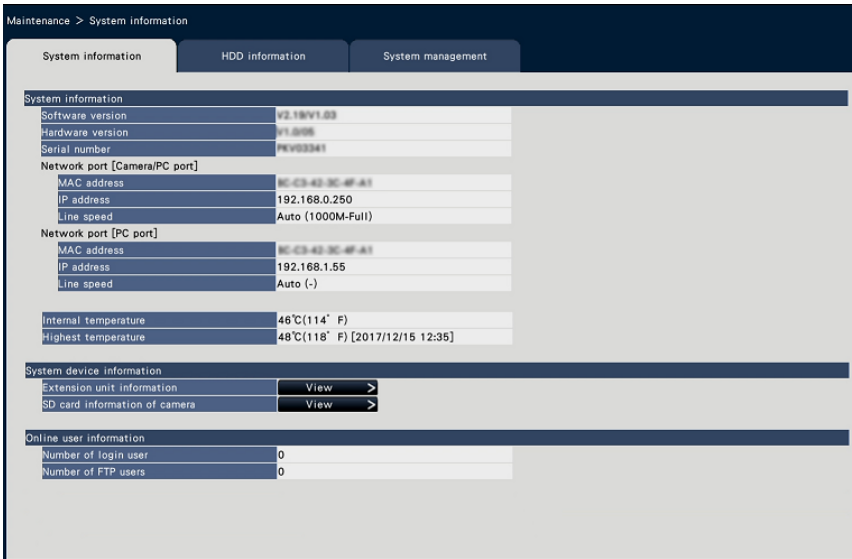
Details on the new functions and revisions	Reference pages
New setting items are added to the lists of the setting items as new functions have been added. Camera > Camera registration > Registered information | Setting item	Available range	Default	Remarks | |---|---|---|---| | Authentication | Digest, Digest or Basic, Basic | Digest | ◎ |	Page 78
The setting ranges in the lists of the setting items are added as new functions have been added. Camera > Camera setup > Adaptive black stretch > Adaptive black stretch Off, On, Reset, 0, 16, 32, 48, 64, 80, 96, 128, 144, 160, 176, 192, 208, 224, 240, 255	Page 79
New setting items are added to the lists of the setting items as new functions have been added. Network > Basic > Other setup | Setting item	Available range	Default	Remarks | |---|---|---|---| | Static route | Off, On | Off | ◎ | | Address | (IP address) | 0.0.0.0 | ◎ | | Subnet mask | (IP address) | 0.0.0.0 | ◎ | | Gateway | (IP address) | 0.0.0.0 | ◎ |	Page 86
New setting items are added to the lists of the setting items as new functions have been added. Maintenance > System information | Setting item		Available range	Default	Remarks | |---|---|---|---|---| | Online user information | Number of login user | (Indication only) | (Indication only) | ◎ | | | Number of FTP users | (Indication only) | (Indication only) | ◎ |	Page 88
The comment "*3" is added to "Concurrent user license" in the lists of the setting items. 	Menu/Tab	Setting item (including those of the "Advanced setup" menu)		 |---|---|---| | Concurrent user license | Concurrent user license*3 | Client Identifier/ Date&Time/Status | *3 When registering the concurrent user license kit (option) license.	Page 91

Details on the new functions and revisions	Reference pages
The face frame is movable by drag & drop so that a face can be fit into the frame on the face registration window. **Important:** • The facial feature may not be in the frame due to the motion speed of the object. Register an image in which the face (eyes and nose) is in the frame, or move the frame by drag & drop so that the face is in the center of the frame to register.	Page 13 in Operating Instructions of WJ-NXF02.