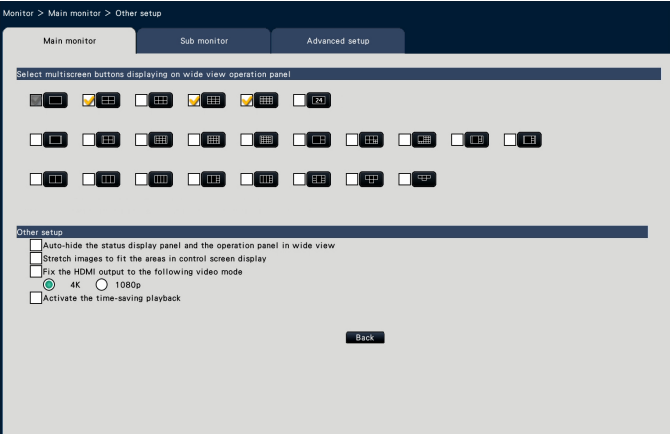
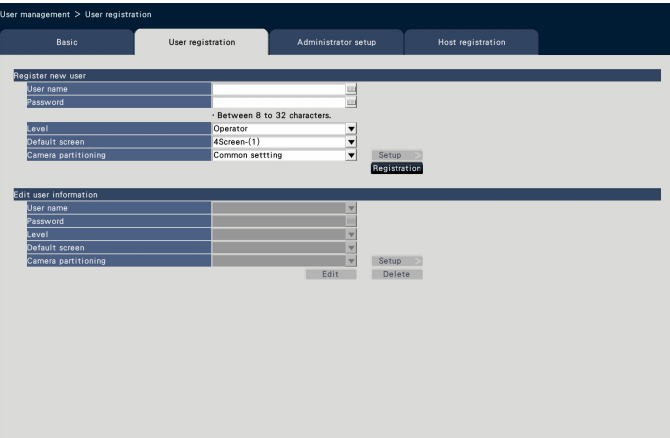
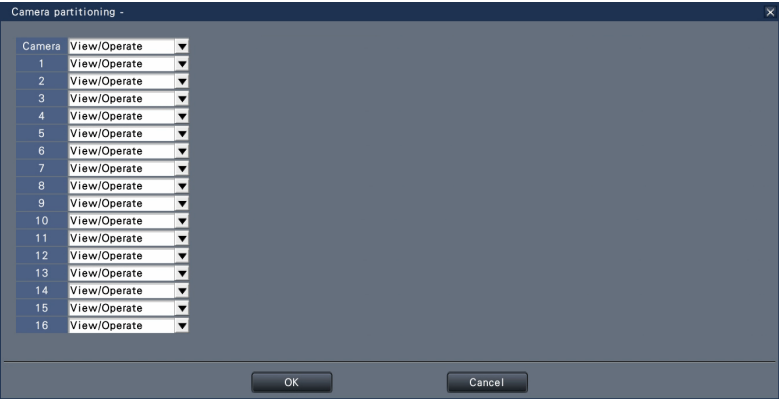


WJ-NX200K, WJ-NX200K/G New functions (Software V2.30)

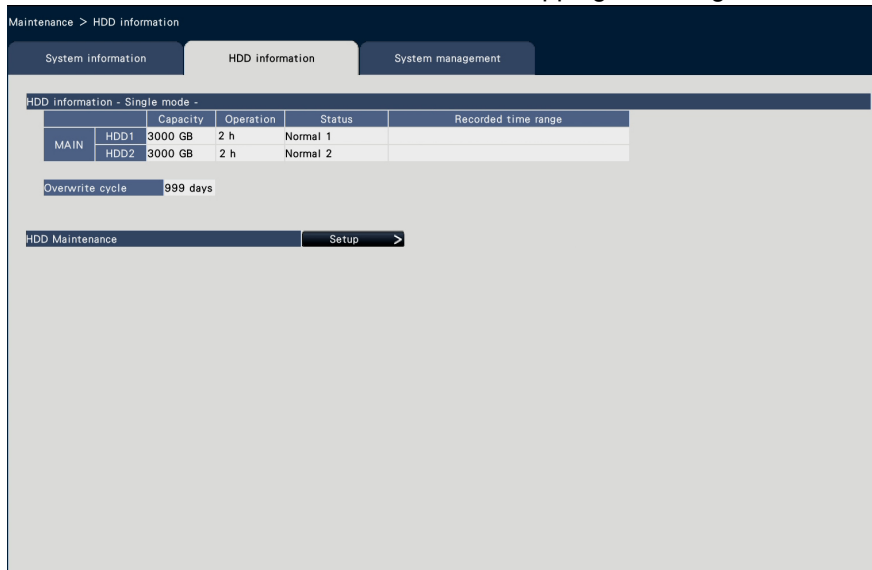
The recorder will be able to provide the following new functions by updating the software.

Details on the new functions and revisions	Reference pages
<p>Restrictions are added.</p> <p>When using the web browser</p> <ul style="list-style-type: none"> •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. <p>When registering the network cameras, WV-S8530N and WV-X8570N</p> <ul style="list-style-type: none"> •Set the following values for each camera number of the same camera. <ul style="list-style-type: none"> •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) <p>When backing up the SD memory card</p> <ul style="list-style-type: none"> •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
<p>The following image capture sizes are added.</p> <p>Set up recording for individual cameras [Advanced recording setup] [Image capture size]</p> <p>"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.</p>	Page 38
<p>Description is added.</p> <p>Acquire the image saved on the SD memory card Important:</p> <ul style="list-style-type: none"> •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
<p>Wide view layout is added.</p> 	<p>Page 47</p>
<p>The camera partitioning function is added.</p>  <p>[Camera partitioning]</p> <p>Select which control range each camera should follow.</p> <p>Common setting: The camera follows "User level settings" of "User management>Basic".</p> <p>Individual setting: The camera follows camera partitioning settings set for each user.</p> <p>Click the [Setup >] button to set the camera partitioning individually.</p> <p>Set the camera partitioning individually.</p> <p>Set availability of image display and camera operation in each camera for the assigned user.</p>  <p>View/Operate: Enables display of live/recorded images and camera operation.</p> <p>View: Enables display of live/recorded images, but disables camera operation.</p> <p>Off: Disables display of live/recorded images and camera operation.</p> <p>Note:</p> <ul style="list-style-type: none"> •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. 	<p>Page 59</p>

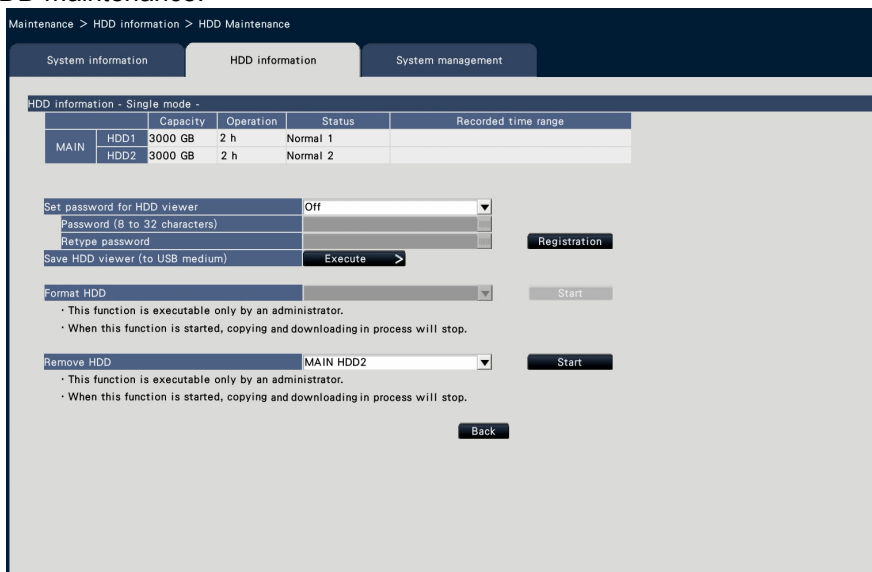
Functions to format and remove HDDs without stopping recording are added.

Page 64



[HDD Maintenance]

Set a password for the HDD viewer, format and remove HDDs. Click the [Setup >] button for HDD maintenance.



[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

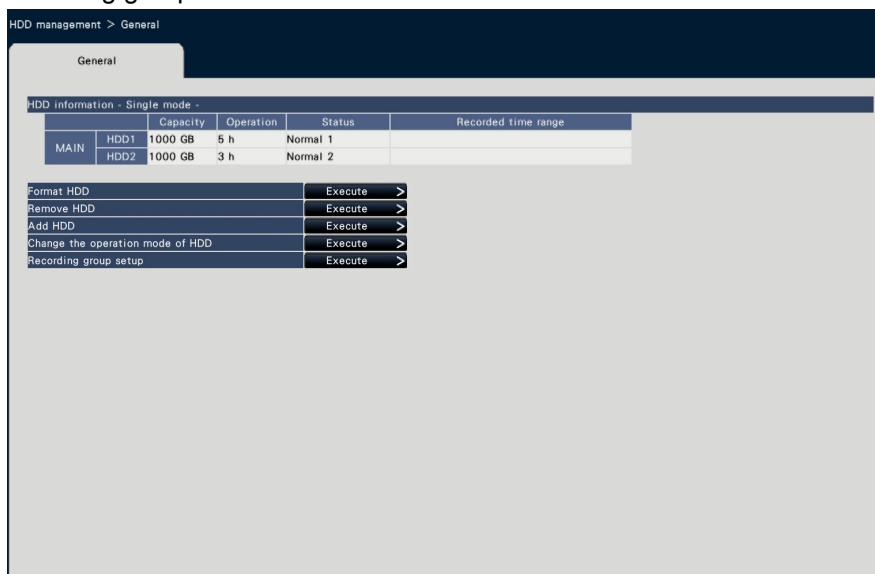
[Remove HDD]

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 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.

The recording group function is added.



In the mirroring mode, the [Recording group setup] will not be displayed.

Page 72

Set the recording group [Recording group setup]

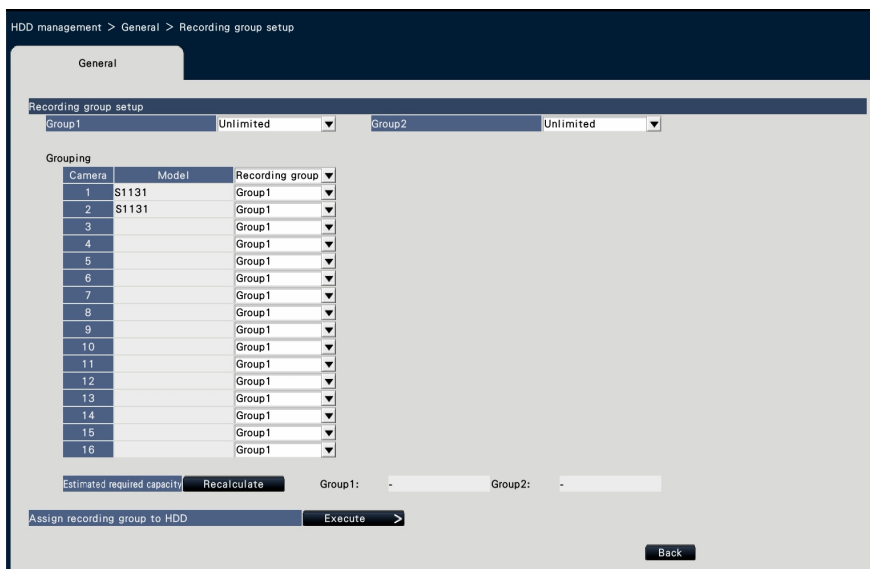
You can set two groups of recording period (unlimited, 1 to 184 days) and assign each camera to either one. Also, you can set a HDD used for recording of each group.

Between Page
74 and Page 75

Step 1

Click the [Execute >] button on the [Recording group setup]

→ The recording group setup window will be displayed.



Step 2

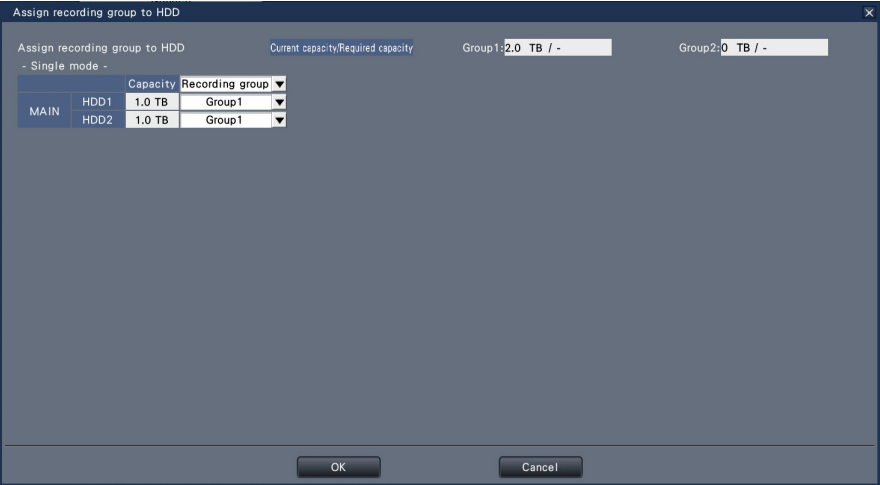
Set the recording period of each group.

[Group1]

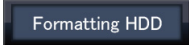
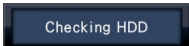
Set the recording period of Group1.

Unlimited/ 1 day/ .../ 10 days/ 14 days/ 30 days/ 45 days/ 60 days/ 90 days/
120 days/ 150 days/ 180 days/ 184 days

Default: Unlimited

Details on the new functions and revisions	Reference pages
<p>[Group2] Set the recording period of Group2. Unlimited/ 1 day/ .../ 10 days/ 14 days/ 30 days/ 45 days/ 60 days/ 90 days/ 120 days/ 150 days/ 180 days/ 184 days Default: Unlimited</p> <p>Note:</p> <ul style="list-style-type: none"> • If "Unlimited" is selected, recording will continue as long as possible for the set HDD. • If the number of days is set, playback will only show the set period. <p>Step 3 Set the recording group of each camera. [Recording group] Group1, Group2 Default: Group1</p> <p>Note:</p> <ul style="list-style-type: none"> • 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. <p>Step 4 Click the [Recalculate] button to calculate estimated required capacity of each group and display it.</p> <p>Note:</p> <ul style="list-style-type: none"> • When "Unlimited" is set, the estimated capacity will be displayed as " - ". <p>Step 5 Click the [Execute >] button on the "Assign recording group to HDD". → The [Assign recording group to HDD] screen will be displayed.</p>  <p>Step 6 Set the recording group of each HDD in a way that the HDD capacity displayed at the top of the screen exceeds the estimated required capacity.</p> <p>Step 7 Click the [OK] button to close and click the [Back] button on the recording group setup screen to complete the settings.</p> <p>Important:</p> <ul style="list-style-type: none"> • If "Assign recording group to HDD" is changed, the HDD data will be deleted. 	

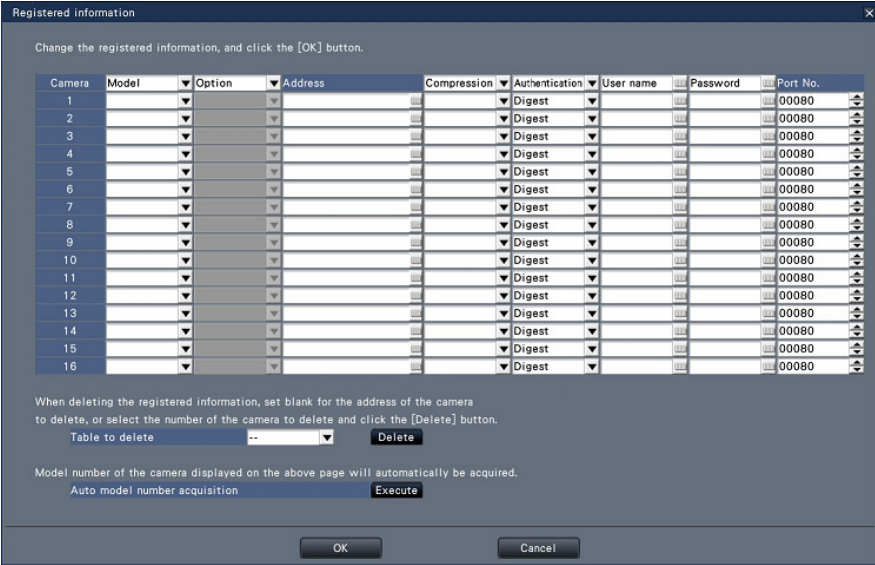
Details on the new functions and revisions		Reference pages																																	
Description is changed. Remove the HDD [Remove HDD] Step 2 •Check HDDs to remove and click the [Start] button to display the confirmation window of the password for the HDD viewer. When the entered value and the setting match, the HDD is removed.		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		Page 80																																	
<table><tr><th>Setting item</th><th>Available range</th><th>Default</th><th>Remarks</th></tr><tr><td>Image capture size</td><td>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)</td><td>VGA(640x480)</td><td>◎</td></tr></table>		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)	◎																										
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)	◎																																
New setting items are added to the lists of the setting items as new functions have been added. Monitor>Main monitor>Other setup		Page 83																																	
<table><tr><th>Setting item</th><th>Available range</th><th>Default</th><th>Remarks</th></tr><tr><td>4-screen (T letter, 4:3)</td><td>Checked/Not checked</td><td>Not checked</td><td>◎</td></tr><tr><td>4-screen (T letter, 16:9)</td><td>Checked/Not checked</td><td>Not checked</td><td>◎</td></tr></table>		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	◎																						
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	◎																																
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		Page 86																																	
<table><tr><th>Setting items</th><th>Available range</th><th>Default</th><th>Remarks</th></tr><tr><td>Camera partitioning</td><td>Common setting, Individual setting</td><td>Common setting</td><td>◎</td></tr><tr><td>Camera partitioning (Individual setting)</td><td>View/Operate, View, Off</td><td>View/Operate</td><td>◎</td></tr></table>		Setting items	Available range	Default	Remarks	Camera partitioning	Common setting, Individual setting	Common setting	◎	Camera partitioning (Individual setting)	View/Operate, View, Off	View/Operate	◎																						
Setting items	Available range	Default	Remarks																																
Camera partitioning	Common setting, Individual setting	Common setting	◎																																
Camera partitioning (Individual setting)	View/Operate, View, Off	View/Operate	◎																																
New setting items are added to the lists of the setting items as new functions have been added. Maintenance>HDD information		Page 87																																	
<table><tr><th>Setting items</th><th>Available range</th><th>Default</th><th>Remarks</th></tr><tr><td>Recording group</td><td>(Indication only)</td><td>(Indication only)</td><td>◎</td></tr></table>		Setting items	Available range	Default	Remarks	Recording group	(Indication only)	(Indication only)	◎																										
Setting items	Available range	Default	Remarks																																
Recording group	(Indication only)	(Indication only)	◎																																
Layout of the lists of the setting items is changed and items are added due to added new functions. Maintenance>HDD information		Page 87																																	
<table><tr><th>Setting items</th><th>Available range</th><th>Default</th><th>Remarks</th></tr><tr><td rowspan="7">HDD Maintenance</td><td>Set password for HDD viewer</td><td>Off, On</td><td>Off</td><td>◎</td></tr><tr><td>Password</td><td>(Text will be entered.)</td><td>(Blank)</td><td>◎</td></tr><tr><td>Retype password</td><td>(Text will be entered.)</td><td>(Blank)</td><td>◎</td></tr><tr><td>Save HDD viewer (to USB medium)</td><td>(None)</td><td>(None)</td><td></td></tr><tr><td>Download HDD viewer</td><td>(None)</td><td>(None)</td><td>★</td></tr><tr><td>Format HDD</td><td>(HDD number)</td><td>(HDD number)</td><td>◎</td></tr><tr><td>Remove HDD</td><td>(HDD number)</td><td>(HDD number)</td><td>◎</td></tr></table>		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)	◎	
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)	◎																															

Details on the new functions and revisions				Reference pages
2 statuses are added to the status display monitor.				Page 96
① Status display area				
Status	Description	Example	Priority	
Formatting HDD	HDD is being automatically formatted.		3	
Checking HDD	Identifying the HDD.		3	

An alarm pop-up inhibit function is added.				Page 166
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.				

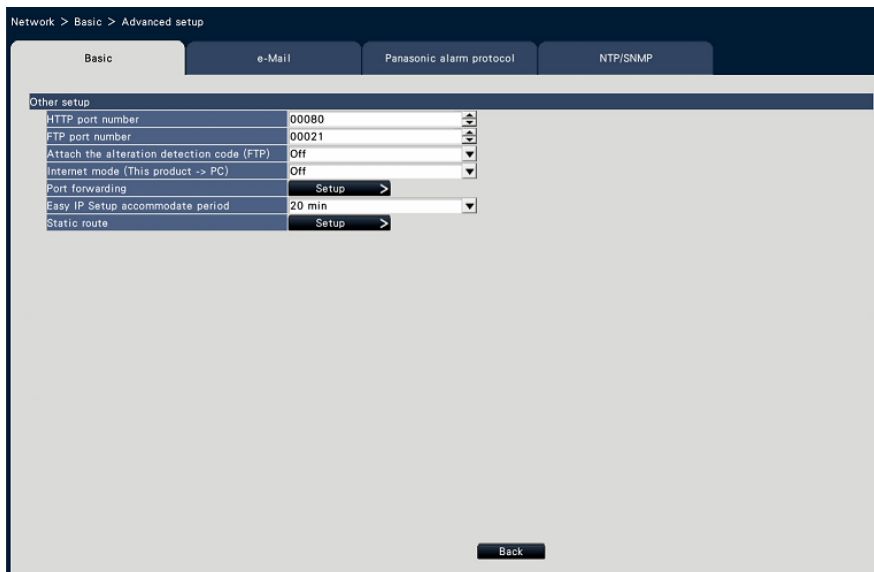
WJ-NX200K, WJ-NX200K/G New functions (Software V2.20)

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

Details on the new functions and revisions	Reference pages
<p>User authentication is added when accessing the camera.</p>  <p>[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</p>	<p>Page 15</p>
<p>"Reset" and "Value" are added to "Adaptive black stretch" of the camera's adaptive black stretch function.</p> <p>[Adaptive black stretch] Reset: returns the adaptive black stretch setting to the default. Value: Adjusts brightness of a dark area in an image.</p>	<p>Page 27</p>
<p>Port numbers which cannot be set are added.</p> <p>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, <u>50000~50255</u></p>	<p>Page 43, Page 52 Page 53, Page 75</p>

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.

Page 63

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.

Description of the [Registration] button on the "Set password for HDD viewer" screen is added.

Page 65

[Registration] button

Register the password that you have set.

The location of the [Reset all settings] button is changed.

Page 66

Details on the new functions and revisions	Reference pages																				
<p>New setting items are added to the lists of the setting items as new functions have been added.</p> <p>Camera > Camera registration > Registered information</p> <table><tr><th>Setting item</th><th>Available range</th><th>Default</th><th>Remarks</th></tr><tr><td>Authentication</td><td>Digest, Digest or Basic, Basic</td><td>Digest</td><td>◎</td></tr></table>	Setting item	Available range	Default	Remarks	Authentication	Digest, Digest or Basic, Basic	Digest	◎	Page 77												
Setting item	Available range	Default	Remarks																		
Authentication	Digest, Digest or Basic, Basic	Digest	◎																		
<p>The setting ranges in the lists of the setting items are added as new functions have been added.</p> <p>Camera > Camera setup > Adaptive black stretch > Adaptive black stretch Off, On, <u>Reset, 0, 16, 32, 48, 64, 80, 96, 128, 144, 160, 176, 192, 208, 224, 240, 255</u></p>	Page 78																				
<p>New setting items are added to the lists of the setting items as new functions have been added.</p> <p>Network > Basic > Other setup</p> <table><tr><th>Setting item</th><th>Available range</th><th>Default</th><th>Remarks</th></tr><tr><td>Static route</td><td>Off, On</td><td>Off</td><td>◎</td></tr><tr><td>Address</td><td>(IP address)</td><td>0.0.0.0</td><td>◎</td></tr><tr><td>Subnet mask</td><td>(IP address)</td><td>0.0.0.0</td><td>◎</td></tr><tr><td>Gateway</td><td>(IP address)</td><td>0.0.0.0</td><td>◎</td></tr></table>	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 85
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	◎																		
<p>New setting items are added to the lists of the setting items as new functions have been added.</p> <p>Maintenance > System information</p> <table><tr><th>Setting item</th><th>Available range</th><th>Default</th><th>Remarks</th></tr><tr><td rowspan="2">Online user information</td><td>Number of login user</td><td>(Indication only)</td><td>(Indication only)</td><td>◎</td></tr><tr><td>Number of FTP users</td><td>(Indication only)</td><td>(Indication only)</td><td>◎</td></tr></table>	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 87							
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)	◎																	
<p>The comment "**3" is added to "Concurrent user license" in the lists of the setting items.</p> <table><tr><th>Menu/Tab</th><th>Setting item (including those of the "Advanced setup" menu)</th><th></th></tr><tr><td>Concurrent user license</td><td>Concurrent user license*3</td><td>Client Identifier/Date&Time/Status</td></tr></table> <p>*3 When registering the concurrent user license kit (option) license.</p>	Menu/Tab	Setting item (including those of the "Advanced setup" menu)		Concurrent user license	Concurrent user license*3	Client Identifier/Date&Time/Status	Page 89														
Menu/Tab	Setting item (including those of the "Advanced setup" menu)																				
Concurrent user license	Concurrent user license*3	Client Identifier/Date&Time/Status																			

Details on the new functions and revisions	Reference pages
<p>The face frame is movable by drag & drop so that a face can be fit into the frame on the face registration window.</p> <p>Important:</p> <ul style="list-style-type: none"> The facial feature may not be in the frame due to the motion speed of the object. <u>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.</u> 	Page 13 in Operating Instructions of WJ-NXF02.