

RV5000 SERIES USER MANUAL

Firmware Version 2.2.0.62

Yeastar Technology Co., Ltd. 2014/02/17

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Installation Notes:

- Please be advised of the following tips before using your NVR:
- Keep all liquids away from the NVR.
- Place the NVR in a well-ventilated environment.
- Ensure NVR is running within the allowed humidity and operating temperature.
- It will lead to shorting when dust on the circuit board of NVR gets damp; please dedust regularly with banister brush regarding the circuit board, connector, chassis and chassis fan.
- Improper replacement of the battery may result in hazard of explosion. Direct replacement conducted by users is prohibited. Replace with the same or equivalent type only.

Note

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The equipments mainly mentioned in this manual are RV5000 Series NVRs, including RV5004, RV5008, and RV5016.



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1.Product Introduction

1.1 Introduction

RV5000 Series are positioned at management and storage application of HD video data, and own multi-disc management systems, front end HD device management system, HD video analysis system and high-capacity system for video. It adopts the technology of high flow capacity data network transmitting&transmission, with multi-channel video decoding, to achieve functions like intelligent management, safe storage, HD decoding etc.

1.2 Product Key Functions

Basic Information

- RV5000 Series are NVRs, can work with IP camera, IP dome and DVS; can connect with third party IP cameras.
- Each channel supports dual stream up to 1080P/720P/UXGA/VGA resolution.
- Each channel supports timing and event compression parameters, can configure sub stream compression parameters at LAN.

Monitoring

- Supports HDMI video output, can live view and play back separately.
- For HD HDMI display, maximum to 1920*1080p resolution.
- Supports 1/4/8/8_1/9 screen live view, channel sequence is adjustable.
- Supports live view fast menu operating.
- Supports live view group switch, manual switch and automatic patrol, the interval of automatic sequence can be adjusted.
- Supports motion detection, video loss alert.
- Supports various PTZ protocols, PTZ preset, auto patrol and patrol pattern.
- Supports central zoom in by clicking the mouse at arbitrary area.

HDD Management

- RV5000 Series can support 2 SATA HDD.
- Supports S.M.A.R.T technology.

Recording/Snapshoot and Playback

- Support holiday's time.
- Support recycle and non-recycle recording mode.
- Support multiple recoding types, including timing, alarm, motion detection, motion or alarm, motion and alarm, etc.
- Support 12 recording time periods with separate recording types.
- Support pre-record and post-record time for motion detection or snapshot, alarm recording or snapshot, motion and alarm recording, motion or alarm recording. And

supports pre-record for manual and timing.

- Supports local recording/snapshot.
- Supports digital zoom function at arbitrary area in playback.
- Supports video data playback.
- Supports pause, fast play, slow play, skip forward, and skip backward when playback, locating in progress bar by dragging the mouse.
- Supports multi channels (up to 8 channels) playback.
- Supports snapshot manually.

Backup

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- Supports USB port backup.
- Supports FAT32 format backup
- Supports backup device maintenance and management.

Alarm & Exception

- Supports video loss alarm, motion detection alarm.
- Supports various alarm response such as audible warning, send email, camera motion detecting, on/off relay

Other Functions:

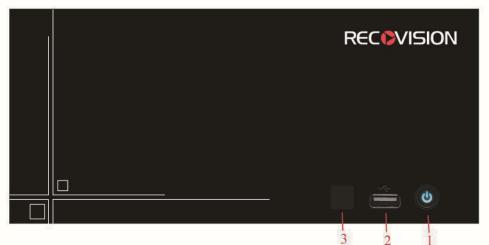
- Supports multi-level user management, administrator can create multiple users with access rights.
- Supports manual triggering and clearing of alarms.
- Supports operation of configured information import/export.

Network:

- RV5000Series supports 100M/1000M adaptive network interface,
- Supports IPv4 protocol
- Supports TCP/IP protocols, PPPoE, DHCP, DNS, DDNS, NTP, and SMTP, etc.
- Supports unicast and multicast, support TCP, UDP, and RTP for unicast.
- Supports remote search, playback and download of video files, support breakpoint resume.
- Supports remote acquiring and configuring of parameters, support remote import and export of device parameters.
- Supports remote acquiring of device status, system log and alarm status.
- Supports remote button operation.
- Supports remote operate system maintenance by format of hard disk, upgrade, and reboot, etc.
- Supports upload alarm and exceptions to remote host.
- Supports remote manual start or stop of recording.
- Supports remote manual start or stop of alarm output.
- Supports remote BMP image capturing.
- Supports remote PTZ control
- Buit-in WEB Server

2. Hardware

2.1 Panel Buttons and Lights Instructions



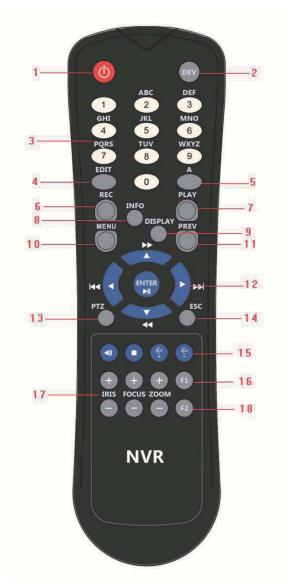
NO.	Item	Description
1	POWER	Powers NVR on/off.
2	USB Ports	USB ports for additional devices such as USB mouse, USB
2		flash drive and USB HDD.
3	IR Receiver	Receiver for IR signal.

2.2 Using a USB Mouse

Item	Click	Description					
		Live view: select the channel and show the live view fast					
	Single- click	menu interface.					
		Menu: select and confirm.					
	Double-click	Switch between single screen to multi-screen when in live					
Left	Double-click	view mode and playback mode.					
Button		(1) Control rotation direction in PTZ mode.					
	Click and	(2) Set the target area in tamper-proof, motion detection and					
		privacy mask alarm settings.					
	drag	(3) Drag the digital zoom area.					
		(4) Drag the channel and the time scroll bar.					
Right		Live view: shows pop-up menu.					
Button	Single-click	Menu: escape and go to previous menu.					
Scroll-	Scroll up	Scroll up the page.					
wheel	Scroll down	Scroll down the page.					

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2.3 IR Remote Controller



F-2.3

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NO	Name	Description
1	POWER	Power on/off the NVR
2	DEV	Enables/disables remote control
	ABC/123	(1)Alphanumeric buttons are used to switch the corresponding channel in live view
3		or PTZ Control mode.
		(2)Alphanumeric buttons are used to input numbers and characters in edit mode.
	EDIT	(1)Used to enter the edit state.
4		(2)Delete the character in front of the cursor.
		(3) Open up the IRIS of the camera when in PTZ state.
5	А	(1)Switch the input methods including figure, letters and symbols.
		(2) Auto scan when in PTZ control.
	REC	(1)The REC/SHOT button is used to enter recording configuration interface.
6		(2)When controlling a PTZ, press the REC/SHOT Button to invoke preset
0		positions.
		(3)Open and close sound system when playback.
7	PLAY	(1)Enter the playback interface.
		(2)Auto scan when in PTZ control.
8	INFO	Zoom control when in PTZ control.
9	DISPLAY	(1)Switch between main and spot output.
		(2)To zoom the camera in PTZ mode.
	MENU	(1)Enter the main menu interface.
10		(2)Display/cover playback toolbar when in playback state.
		(3)Open/close the sound of front panel by pressing and holding more than 3
		seconds.
11	PREV	(1)Used to switch between single screen and multi screen mode.
		(2)Adjust the focus in PTZ mode.
	DIRECTION/	(1)Move the active selection in a menu, select menu items setting.
10	ENTER	(2)Up/down button stands for single frame fast forward/playback, left/right button
12		stands for speed up/slow down the video.
		(3)Switch live view channel or screen in live view mode.
	DTZ	(4)Move the PTZ when in PTZ control.
	PTZ	(1)Confirm selection in menu modes.(2)Switch to tick checkbox and ON/OFF.
13		(3)In playback mode, can be used to play or pause the video.
		(4)In cruise mode, press to pause/restart the cruise.
14	ESC	Same as ESC button on front panel
14	RESERVED	Reserve the settings
1.5	F1	(1)Select all items on the list.
16	1 1	(2)Control light status when in PTZ control.
10		(3)Switch to playback or sequence play in playback state
17	PTZ CONTROL	To adjust the iris, focus and zoom of a PTZ camera.
18	F2	The F2 button is used to switch menu attribute page.
10	1'2	The 12 button is used to switch menu autibute page.

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3. Local Operation

3.1 Wizard Setting

By default, the Setup Wizard will start once the NVR has loaded. The Setup Wizard will guide you complete some important settings to make sure the device function well. You can choose if you will enable wizard when device starts.

Please complete the configuration as following:

Step1. Input the admin password Admin password (The default password is 123456) If you want to modify the admin password, input the new password.

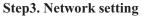
	Wiza	ard		
Admin Password	•••••			
✓ New Admin Pas	sword			
New Password	•••			
Comfirm	• • •			
Start wizard when c	evice starts?	Back	Next	Cancel

F-3.1.1

Step2. Date and time setting

Select the Time Zone and Date Format or you can set date and time manually.

8 China (Beijing) ~
MM-DD-YYYY-AM/PM ~
Automatic ~
nronize With an Internet Time Server
pool.ntp.org
/anually
01.17.2014. PM 06:18:51



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F-3.1.2

Input the IP Address, Subnet Mask, Gate Way and Preferred DNS Server.

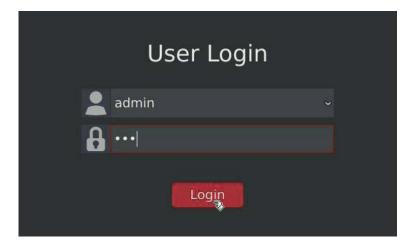
Wizard								
Work Mode	Multi address ~							
Select NIC	LAN1 ~							
Enable								
Enable DHCP								
IP Address	192.168.17 .231							
Subnet Mask	255.255.255.0							
Gateway	192.168.17 .1							
Preferred DNS Server	192.168.17 .1							
Alternate DNS Server								
Start wizard when devic	e starts? Back Finish Cancel							

F-3.1.3

Step4. Login

Input the username and password. (The default password is 123456)

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F-3.1.4

3.2 Playback

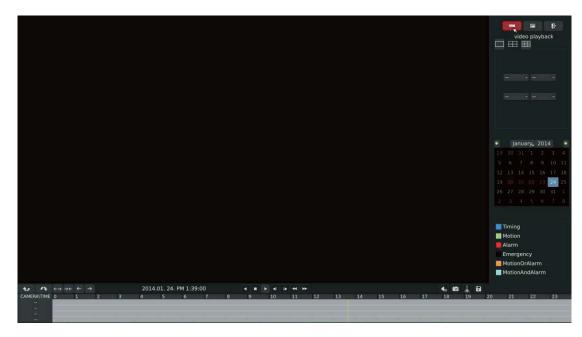
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To play and backup the recorded files in specified time period.

3.2.1 Video Playback

It can support playback according to recorded time. Play recorded files in specified time period; synchronous playback of multi channels is supported.

Step1. Enter Video Playback Interface shown in F-3.2.1 by clicking Main menu→Playback → ■



F-3.2.1

Step2. Select a desired channel and date

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Select playback layout and channel. Click the date in red when there are recorded files of the selected channels, the record type with recording data will be show as below, and then click to playback.

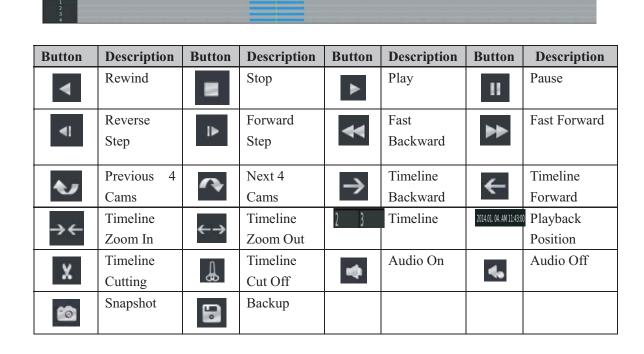


F-3.2.2

Note:

- 1. The day in red has recording files; please select the date in red to playback.
- 2. 16 channels can be selected to playback synchronously.

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4 **8 8** 4 10 44 100

4, 80 ↓ 53

Video Playback Tool Bar Description

2014.01. 21. AM 9:10:00

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3.2.1.1 Video Files Backup

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Regular recorded files can be backed up by various devices, such as USB flash drives (USB flash disk, USB HDDs, USB writer), CD/DVD writer and eSATA, etc.



Satep1.Enter video playback interface by clicking Main menu→Playback→ ■

F-3.2.3

Step2.Select Recorded files for Backup

Select the channel and date you want to backup, click \blacktriangleright , then select the start time at time line and click \checkmark



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Select the end time at time line and click



F-3.2.5

Step3.Click 🗊 enters to backup interface, select Backup media and click [Backup].



F-3.2.6

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Step4. The pop-up window will prompt: Please wait...

F-3.2.7

Step5. When all backup files have been exported, 'Backup Success' will be prompted.



F-3.2.8



3.2.2 Picture Playback

Search and look for the snapshoot files saved in HDD.

Step1.Enter Picture Playback Interface by clicking Main menu→Playback→ 🖾

Select a desired channel, start time and end time, click [Search]



F-3.2.9

Step2. Enter Picture Info List, Look up the Pictures.

Click **D** to play the desired pictures. Or click **b** to auto play the picture.



F-3.2.10

14



Picture Playback Tool Bar Description



Button	Description	Button	Description	Button	Description	Button	Description
•	Backward Play		Play	<	Previous Picture	>	Next Picture
	Backup pictures	×	Close				

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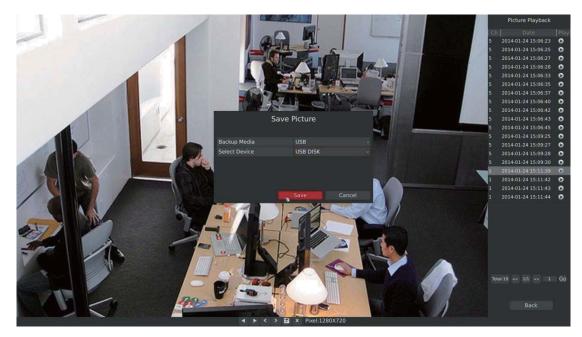
3.2.2.1 Picture Files Backup

Step1: Select pictures you want to backup in picture playback interface.



F-3.2.11

Step2: Select backup media and click 🗊 to save picture.



F-3.2.12

3.3 Camera Settings

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Before configuration, please ensure that the IP device is connected to the same network as your NVR and that the network setting for your NVR is properly setup.

3.3.1 Camera Management

Step1.Enter camera management interface by clicking main menu \rightarrow Camera \rightarrow Camera Management enter camera management interface.

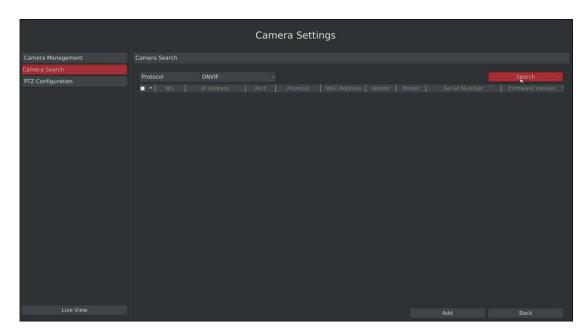
	Camera S	Settings		
Camera Management	Channel Management			
PTZ Configuration		Channel		
		Channel Name	CAM1	
		IP Address		
		Port		
		User Name	admin	
		Password		
		Protocol	ONVIF	
		Transport Protoco	DDP	
	Channel: 1 Name: CAM1	1		Add

F-3.3.1

Step2.Add IP Channel

Method1. Add IP Channel in camera search interface

1.Enter to camera search interface by clicking Main Menu→Camera→Camera Search.



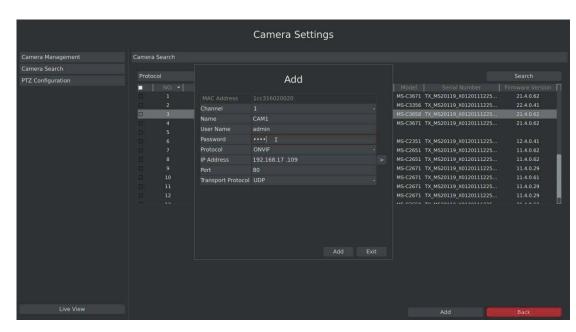
F-3.3.2

2. Click [search] button to quickly search the IP devices that support ONVIF at the same network segment with NVR.

			Came	era Sett	ings				
Camera Management	Camera Search								
Camera Search									
PTZ Configuration		ONVIF							
	NO. *								
		192.168.17.55		ONVIF	1cc31606001e	Milesight	MS-C3671	TX_MS20119_X0120111225	21.4.0.62
		192.168.17.51		ONVIF	1cc31602004a	Milesight	MS-C3356	TX_MS20119_X0120111225	22.4.0.41
		192.168.17.109		ONVIF	1cc316020020	Milesight	MS-C3658	TX_MS20119_X0120111225	21.4.0.62
		192.168.17.102		ONVIF	1cc31606000e	Milesight	MS-C3671	TX_MS20119_X0120111225	21.4.0.62
		192.168.17.52		ONVIF					
		192.168.17.199		ONVIF	1cc31601005e	Milesight	MS-C2351	TX_MS20119_X0120111225	12.4.0.41
	0 7								
		192.168.17.101		ONVIF	1cc316010063	Milesight	MS-C2651	TX_MS20119_X0120111225	11.4.0.62
		192.168.17.147		ONVIF	1cc316ff0078	Milesight	MS-C2671	TX_MS20119_X0120111225	11.4.0.29
		192.168.17.104		ONVIF	1cc31605004e	Milesight	MS-C2671	TX_MS20119_X0120111225	11.4.0.61
		192.168.17.149		ONVIF	1cc316ff0014	Milesight	MS-C2671	ТХ_М520119_Х0120111225	11.4.0.29
		192.168.17.148		ONVIF	1cc316ff0017	Milesight	MS-C2671	TX_M520119_X0120111225	11.4.0.29
Live View								Add 🧱	Back

F-3.3.3

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F-3.3.4

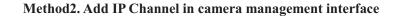
Or Check **I** to bulk adding the IP cameras if they are with same password.

3. Double click the channel, input password and click [Add] button.

			Ca	mer	a Settir	ngs				
Camera Management										
Camera Search										
PTZ Configuration	Protocol	ONVIF								
	☑ NO. ♥ ♥ 1	IP Address 192.168.17.55	Port 80		Protocol ONVIF	MAC Address 1cc31606001e		Model 45-C3671	Serial Number TX_MS20119_X0120111225	
	2	192.168.17.51	80		ONVIF				TX_MS20119_X0120111225	22.4.0.41
		192.168.17.109			ONVIF				TX_MS20119_X0120111225	
		192.168.17.102 192.168.17.52	80 80		ONVIE	1cc31606000e	Milesight N	45-C3671	TX_M520119_X0120111225	21.4.0.62
	✓ 6 ✓ 7 ✓ 8 ✓ 9	192.168.17.1 192.168.17.1 192.168.17.1 192.168.17.1	Username		sword		Milesight N Milesight N	45-C2651 45-C2651	TX_M520119_X0120111225 TX_M520119_X0120111225 TX_M520119_X0120111225	11.4.0.62 11.4.0.62
	× 10	192.168.17.1	Password						TX_MS20119_X0120111225 TX_MS20119_X0120111225	
		192.168.17.1 192.168.17.1							TX_MS20119_X0120111225	
	× 12	192.168.17.1			Cancel				TX_MS20119_X0120111225	11.4.0.29
Live View									Add	Back

F-3.3.5

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1.Enter to camera management menu by clicking Main Menu→Camera→Camera Management

	Camera Sett	ings			
Camera Management	Channel Management				
Camera Search					
PTZ Configuration					
		Channel Name	CAM1		
		IP Address			
		Port			
		User Name	admin		
		Password			
		Protocol Transport Protocol	ONVIF		
		iransport Protocol	I UDP		
	Channel: 1 Name: CAM1			Test	
Live View				Refresh	Back

F-3.3.6

2. Select 'IP Channel' attribute page, select idle channel then input complete information Click [Add] button.

				Cam	era Settin	gs				
amera Management	Channel Mana	gement								
amera Search										
TZ Configuration						Channel				
						Channel Name	CAM8			
						IP Address	192.168	3.17.103		
						Port	80			
						User Name	admin			
						Password				
						Protocol	ONVIF			
						Transport Proto	col UDP			
										∳dd
			Delete	Connected	192.168.17.101		ONVIF	1cc316010063		MS-C2651
		ß	Ť	Connected	192.168.17.102		ONVIF	1cc31606000e		MS-C3671
		Ø	Ť	Connected	192.168.17.104		ONVIF	1cc31605004e	Milesight Tgy Co.,Ltd.	MS-C2671
		Ø	T.	Connected	192.168.17.105		ONVIF	lcc316050031	Milesight Tgy Co.,Ltd.	MS-C2671
			Ū.	Connected	192.168.17.106		ONVIF	1cc316030056	Milesight Tgy Co.,Ltd.	MS-C2661
			Ū	Connected	192.168.17.108		ONVIF	1cc316010059	Milesight Tgy Co.,Ltd.	MS-C2651
			Ū	Connected	192.168.17.109		ONVIF	1cc316020020	Milesight Tgy Co.,Ltd.	MS-C3658
Live View										Back



Step3.Check the connection status

After adding the IP channels, click [Refresh] button, the [state] will show [connected] as below,

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If not, you need to check if the network is connected or whether the user name, password is correct or not.

Channel									
1	Ø	Ť.	Connected	192.168.17.101	80	ONVIF	1cc316010063	Milesight Tgy Co.,Ltd.	MS-C2651
2	Ø	Ū	Connected	192.168.17.102	80	ONVIF	1cc31606000e	Milesight Tgy Co.,Ltd.	MS-C3671
3	Ø	Ū	Connected	192.168.17.104	80	ONVIF	1cc31605004e	Milesight Tgy Co.,Ltd.	MS-C2671
4	Ø	Ū	Connected	192.168.17.105	80	ONVIF	1cc316050031	Milesight Tgy Co.,Ltd.	MS-C2671
5	Ø	Ū	Connected	192.168.17.106	80	ONVIF	1cc316030056	Milesight Tgy Co.,Ltd.	MS-C2661
6	Ø	Ū	Connected	192.168.17.108	80	ONVIF	1cc316010059	Milesight Tgy Co.,Ltd.	MS-C2651
7	Ø		Connected	192.168.17.109	80	ONVIF	1cc316020020	Milesight Tgy Co.,Ltd.	MS-C3658



Step4.Configure IP Channel

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1. After successfully adding the channel, click or double-click this channel to re-edit the channel info, address, and password, etc.

			Camera S	ettings	5			
Camera Management	Channel Management							
Camera Search								
PTZ Configuration			Camera	Edit				
		Settings						
	A 4	Channel Name	CAM1					
		IP Address	192.168.17.104					
		User Name	admin					
		Password						
			ONVIF					
		Transport Protocol						
							Milesight Tgy Co.,I	
	2 🗹					NOT THE OWNER OF THE OWNER	Milesight Tgy Co.,I	IAMART IN MISSING IN
	3 🗹					cc316030056	Milesight Tgy Co.,I	Ltd. MS-C2661
						cc316010059	Milesight Tgy Co.,I	Ltd. MS-C2651
						cc316010063	Milesight Tgy Co.,I	Ltd. MS-C2651
						cc31606000e	Milesight Tgy Co.,I	Ltd. MS-C3671
						cc316020020	Milesight Tgy Co.,I	
							Refresh	Back

F-3.3.9

Note:

By default, the user name and password entered here are the default user name and password. The management port is 80 and the default Transport protocol is UDP.

2. Select [Parameters] attribute page to re-edit this channel parameters. Click [Save] to save the configuration

			Camera	Settings				
amera Management	Channel Management							
mera Search								
Z Configuration	- []]		Came	ra Edit				
		Settings	Parameters					
		Channel Name	CAM1	Sub Stream	 Enable 			
	- FA -	Frame Rate		Frame Rate				
		Resolution	1280*720	Resolution	640*480			
		Bitrate	2048	Bitrate	1024			
		Audio	Enable Audio				Test	Add
	Channel Ed					MAC	Vendor	Model MS-C2671
	1 G 2 G					10110000000000000000000000000000000000	Milesight Tgy Co.,Ltd. Milesight Tgy Co.,Ltd.	MS-C2671 MS-C2671
	3 🗹						Milesight Tgy Co.,Ltd.	MS-C2661
	4 🗹							MS-C2651
	5 🗹						Milesight Tgy Co.,Ltd.	MS-C2651
					Save Ex	cc31606000e	Milesight Tgy Co.,Ltd.	MS-C3671
	7 🗹					c316020020	Milesight Tgy Co.,Ltd.	MS-C3658
	5 Ø 6 Ø					cc316010063 cc31606000e	Milesight Tgy Co.,Ltd.	MS-C MS-C

F-3.3.10

3. You can delete this IP channel by clicking

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				Cam	nera Settin	gs							
Camera Management	Channel Manag	gement											
Camera Search													
PTZ Configuration		FIF				Channel							
			1111	IT TH	TITA	Channel Nam	e	desk					
			1111	IN HI	11111	IP Address							
		A /	0	HIA		Port		80					
			800			User Name		admin					
		21	AND -	11 -		Password							
		PT 2						ONVIF					
		13 3						UDP					
		100 a	14.19	In	formation		1.0						
		Char	nel: 1 Nai		nt to delete channe	12.2				Test		Add	
		Edit	Delete -		Yes No								
	1	Ø	Ū	Connected	192.168.17.104				1cc31605004e	Milesight T		MS-C2671	
	2	Ø	Ū	Connected	192.168.17.105	80	c	NVIF	1cc316050031	Milesight T	gy Co.,Ltd.	MS-C2671	
		Ø	1	Connected	192.168.17.106	80			1cc316030056	Milesight T		MS-C2661	
		Ø		Connected	192.168.17.108			NVIF	1cc316010059	Milesight T	gy Co.,Ltd.	MS-C2651	
		Ø	Ū	Connected	192.168.17.101				1cc316010063	Milesight T		MS-C2651	
		Ø	T.	Connected	192.168.17.102				1cc31606000e	Milesight T		MS-C3671	
		ß	E	Connected	192.168.17.109	80		DNVIF	1cc316020020	Milesight T	gy Co.,Ltd.	MS-C3658	

F-3.3.11



3.3.2 Camera Search

You can search and add IP cameras here

			Camera	Settir	igs				
Camera Management									
Camera Search	Protocol	ONVIF						Search	
PTZ Configuration									

Step1.Enter camera search interface by clicking Main menu \rightarrow Camera \rightarrow Camera Search

F-3.3.12

Step2.Click [search] button to quickly search the IP devices that support ONVIF at the same network segment with NVR.

				Cam	era Sett	ings				
Camera Management		Search								
PTZ Configuration	Protoc	ol	ONVIF							
			192.168.17.109		ONVIF	1cc316020020	Milesight MS-	C3658 TX_MS2	20119_X0120111225	21.4.0.62
			192.168.17.104		ONVIF	1cc31605004e	Milesight MS-	C2671 TX_MS2	20119_X0120111225	11.4.0.61
			192.168.17.101		ONVIF	1cc316010063	Milesight MS-	C2651 TX_MS2	20119_X0120111225	11.4.0.62
			192.168.17.55		ONVIF	lcc31606001e	Milesight MS-	C3671 TX_M52	20119_X0120111225	21.4.0.62
			192.168.17.147		ONVIF	1cc316ff0078	Milesight MS-	C2671 TX_M52	20119_X0120111225	11.4.0.29
			192.168.17.150		ONVIF	1cc316ff0029	Milesight MS-	C2671 TX_MS2	20119_X0120111225	11.4.0.29
			192.168.17.108		ONVIF	1cc316010059	Milesight MS-	C2651 TX_MS2	20119_X0120111225	11.4.0.62
			192.168.17.51		ONVIF	1cc31602004a	Milesight MS-	C3356 TX_MS2	20119_X0120111225	22.4.0.41
			192.168.17.131		ONVIF	1cc316020069	Milesight MS-	C3658 TX_MS2	20119_X0120111225	21.4.0.62
			192.168.17.149		ONVIE	1cc316ff0014	Milesight MS-	C2671 TX_MS2	20119_X0120111225	11.4.0.29
			192.168.17.134		ONVIF					
			192.168.17.102		ONVIF	1cc31606000e	Milesight MS-	C3671 TX_MS2	20119_X0120111225	21.4.0.62

Note:

F-3.3.13

The IP devices found in the list are those that support ONVIF protocol and in the same network segment with NVR.



Step2.Add IP Camera

Double click the channel, input password and click [Add] button.

			Camera Settings			
Camera Management						
Camera Search						
PTZ Configuration	Protocol		Add			Search
	1 2 3 4 5 6 7 8 9 10 10	MAC Address Channel Name User Name Password Protocol IP Address Port Transport Protocol	1cc316010063 1 CCM1 admin ONVIF 192.168.17.101 80 UDP	MS-C2671 MS-C2651 MS-C3671 MS-C2671 MS-C2651 MS-C3556 MS-C3658	TX M\$20119 X012011225 TX M\$20119 X0120111225 TX M\$20119 X0120111225	11.4.0.62 21.4.0.62 11.4.0.29 11.4.0.29 11.4.0.62 22.4.0.41 21.4.0.62
					TX_MS20119_X0120111225	21.4.0.62
Live View					Add	Back

F-3.3.14

Or you can bulk adding the IP cameras if they are with same password. Click [OK] to finish bulk adding.

				Ca	mera Set	tings			
amera Management	Camera S	Search							
amera Search									
TZ Configuration	Protoco		ONVIF						
	M ^								
			192.168.17.109	80	ONVIF	1cc316020020	Milesight MS-C3	558 TX_MS20119_X0120111225	21.4.0.62
			192.168.17.101		ONVIF	1cc316010063	Milesight MS-C2	551 TX_MS20119_X0120111225	11.4.0.62
			192.168.17.55		ONVIF	1cc31606001e	Milesight MS-C3	571 TX_M520119_X0120111225	21.4.0.62
			192.168.17.147		ONVIE	1cc316ff0078	Milesight MS-C2	571 TX_M520119_X0120111225	11.4.0.29
			192.168.17.1		D		Milesight MS-C2	571 TX_MS20119_X0120111225	11.4.0.29
			192.168.17.1		Passwor	d	Milesight MS-C2	551 TX_MS20119_X0120111225	11.4.0.62
			192.168.17.	Username			Milesight MS-C3:	356 TX_MS20119_X0120111225	22.4.0.41
			192.168.17.1				Milesight MS-C3	558 TX_MS20119_X0120111225	21.4.0.62
			192.168.17.1	Password			Milesight MS-C2	571 TX_MS20119_X0120111225	11.4.0.29
			192.168.17.1						
			192.168.17.1		OK Car		Milesight MS-C3	571 TX_MS20119_X0120111225	21.4.0.62
					R				
Live View								Add	Back

F-3.3.15

RECOVISION

3.3.3 PTZ Configuration

3.3.3.1 PTZ control Parameters Configuration

Note:

Settings for a PTZ camera must be configured before it can be used. Make sure that the PTZ and RS-485 of the NVR are connected properly.

Step: Enter configuration interface by clicking Main Menu→ Camera→PTZ Configuration, select "Configuration" page

Select a channel and set the PTZ parameters. You can click [Copy] to copy the same configuration to other channels.

		Camera Setting	s		
Camera Management	Configuration Advanced				
Camera Search					
PTZ Configuration					
The configuration	Connect Type	ONVIF			
	Baud Rate				
	Data Bit				
	Stop Bit				
		None			
	Protocol	PELCO-D			
	Address				
	PTZ address: 1–255				
Live View			Сору	Apply	Back

F-3.3.16

Note:.The PTZ protocol and address of IP channel must be consistent with those of the PTZ decoder.

3.3.3.2 Advanced Configuration

There are two patrol ways can be set: Track Patrol and Tour Patrol

Note:

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- 1. IP channel does not support configuration and calling of presets, patrols and patterns.
- 2. The functioning of presets patrols and patterns need front PTZ decoder to support.

Route: Main Menu→ Camera→PTZ Configuration, select "Advanced" page

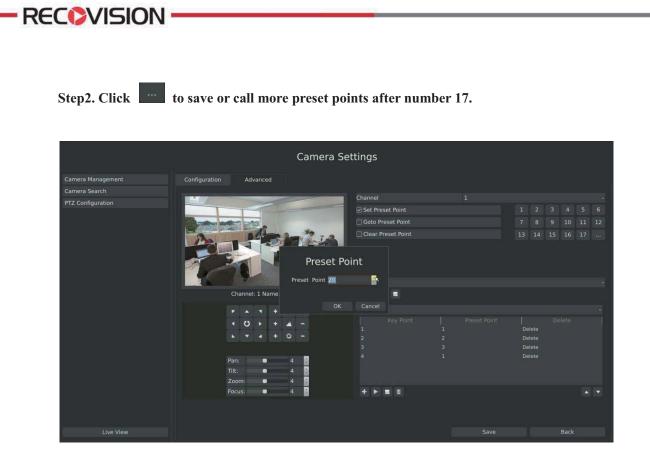
*Presets Point Setup

Preset can be set to move your PTZ camera to a desired preset location. The preset point is the preparation for Tour Patrol.

Step1. Use the PTZ direction key to rotate the position of preset. Then select "Set Preset Point", and select a preset number to finish a preset point setting. Repeat above steps to set more preset points.



F-3.3.17



F-3.3.18

Step3. Select 'Clear Preset Point' and click a preset number to delete the preset point.

	Camera	Settings			
	onfiguration Advanced				
Camera Search	1	Channel			
PTZ Configuration		Set Preset Point	1 2		
	Barray and	Goto Preset Point	7 5		
		Clear Preset Point	13 1		
	Con Rad				
		Track1			
	Channel: 1 Name: CAM1				
	F A 7 + Q -				
	- <u>w</u> + < 0 +				
	X X 4 + 0 -		Delete Delete		
			Delete		
	Pan: 4				
	Tilt: 4				
	Zoom: 🔹 4				
	Focus: 🛛 4 🚦	+ + = =			
				Back	

F-3.3.19

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Step4. Select "Goto Preset Point". Click a preset number to check the preset point.

F-3.3.20

* Tour Patrol

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The camera will patrol according to the key points. The total time and patrol speed of the tour is variable.

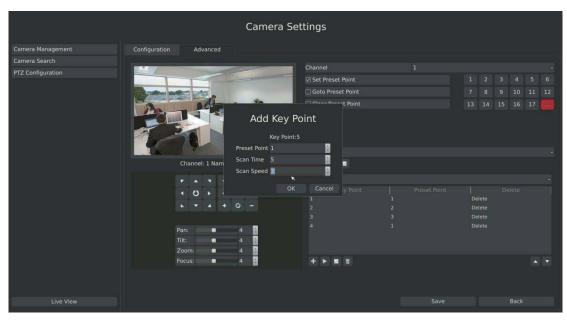
	Camera S	ettings	
Camera Management	Configuration Advanced		
Camera Search		Channel 1	
PTZ Configuration		☑ Set Preset Point	
	the second second	 Goto Preset Point	7 8 9 10 11 12
	A MANZA	 □ Clear Preset Point	13 14 15 16 17
	Real Providence		
	Channel: 1 Name: CAM1	/ 8 > 8	
		Tour1	
	< 0 > + 4 -	Tour2 Tour3	
		Tour4	
		Tour5 Tour6 4 4	Delete
	Pan: 4		Delete
	Tilt: 4		
	Zoom: 4	HERE	
Live View			

Step1. Select a tour. Up to 6 tours could be set.

F-3.3.21



Step2. Click to add key points. Set the key point parameters (including preset point number, scan time and scan speed) and click [OK].



F-3.3.22

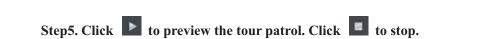
Step3. Repeat the above steps to add more key points to the tour patrol.

	Camer	a Settings		
Camera Management	Configuration Advanced			
Camera Search				
PTZ Configuration		Channel		
	The second	Goto Preset Point	7 8 9	
	the start	Clear Preset Point		5 16 17
	24			
		rmation		
	Channel: 1 Na 💿 Do you want to	delete?		
	< O > + A -		 Delete	
			Delete	
		3	Delete	
	Pan: • 4			
	Tilt: • 4 🚦 Zoom: • 4			
	Focus: 4			
Live View				

Step4. Select a key point, select [Delete] and select [Yes] in the dialog box to delete it.

F-3.3.23

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Step6. Click and select [Yes] in the dialog box to delete all key points of the tour patrol.

	Camera Settings	
Camera Management	Configuration Advanced	
Camera Search	Channel 1	
PTZ Configuration	Sterreset Point 1	
	Goto Preset Point 7	
	Clear Preset Point 13	14 15 16 17
	at at	
	Information	
	Channel: 1 Na 🕡 Do you want to clear Tour1?	
	Yes No	
	Int Preset Point	
		lete lete
	3 1 Def	
	Pan: • 4	
	Tilt: 4 Zoom: 4 Zoom: 4	
	Zoom: • 4	
Live View		

F-3.3.24

Note:

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1. The key point decides the patrol path, which will run according to numerical order of the key points.

2. Scan time is how long the patrol stays on the preset point.

3. Scan speed is the rotate speed of speed dome from one preset point to the next.

* Track Patrol

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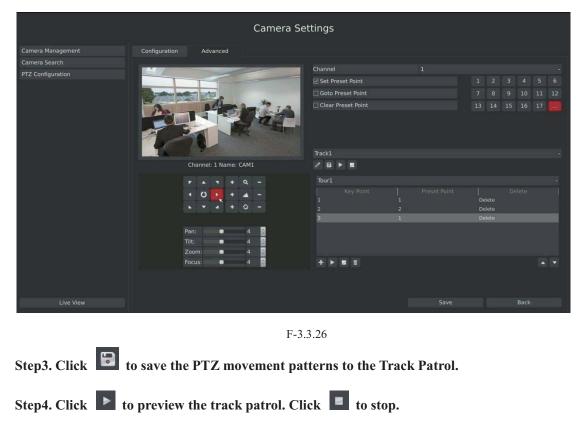
The camera will patrol back and forth in a constant speed. There are only a start point and an end point.

Step1. Select a track and click *L*. Up to 8 tracks could be set.



F-3.3.25

Step2. Drag the mouse or click 8 direction keys of mouse control field to rotate PTZ.



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3.2.3.3 PTZ Control Operation

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In live view mode, select quick menu of live view channel to enter PTZ control mode. It can access PTZ control by PTZ control bar or panel PTZ control button.

Description of PTZ Control Bar



F-3.3.30

Icon	Description	Icon	Description	Icon	Description
F A 4	PTZ Direction	_	Adjust		Adjust
< 0 >	Control and Auto	+	Zoom+,Focus+	-	Zoom-,Focus-,
N A	Scan Button		,IRIS+		IRIS-
۹	Zoom: Zoom in	-	Focus	0	IRIS
	or out				
Pan:	•	4	Horizontal Movement Adjustment		
Tilt:	•	4	Vertical Movement Adjustment		
Zoom:	•	4	Zoom Adjustment		
Focus:		4	Focus Adjustment		

3.4 Record Settings

Preparation for Configuration

Step1.Ensure your NVR has Install and initialize the HDD.

Enter disk management interface by clicking System Settings→Disk Management

			System :	Settings	5				
General	Configuration	S.M.A.R.T							
Network									
Disk Management		ST2000VX000-1CU1	FORMATTED	1953	204	1651	LOCAL		ON
Holiday Configuration									
User									
Upgrade									
Save/Load Configuration									
Live View									

F-3.4.1

Step2. Ensure that HDD has sufficient storage space.

Enter disk management interface by clicking System Setting \rightarrow Disk Management. Select [Recycle Mode] to ON in the case of insufficient capacity of HDD.

			System	Settings	i)					
General	Configuration	S.M.A.R.T								
Network										
Disk Management	8	ST2000VX000-1CU1	FORMATTED	1953	204	1651	LOCAL	*	E ON	×
Holiday Configuration									CON COFF	
User										
Upgrade										
Save/Load Configuration										
	Total Capacity(G Available Capac									
Live View										

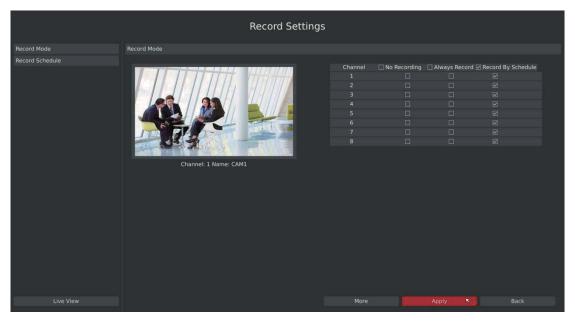


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3.4.1 Record Mode

Step 1. Enter to record mode menu by clicking Main Manu→Record→Record Mode.

There are three record modes: No Recording/Always Record/Record by Schedule. You can select desired one to every channel.



F-3.4.3

Record Mode

Record Schedule

Channel Selection:
Channel Selection:
Channel Selection:
Cory Apply Ext

Lve Vew

Lve Vew

Lve Vew

Record Schedule

Cory Apply Ext

More

Apply Det

Step2. Click [More] to setup recording general setting.

F-3.4.4



Illustration for Parameters

[Prev Record Enable]: Enable/Disable the event pre-record before event alarm.
[Duration Time]: Event pre-record duration before event alarm
[Post Record Enable]: Enable/Disable post record after the event is over
[Audio Record]: Select to record audio or not
[Record Stream Type]: Select Main stream or sub stream for record

Step3.Click [Copy] to copy settings to other channels, and then click [OK].

	8	Record Settings					
Record Mode	Record Mode						
Record Schedule							
			Channel 1	No Recording	Always Record	d 🗹 Record By Schedule	
						Ø	
						N	
		Docord					
		Channel Carry					
	64	Channel Copy					
						N	
	G	∝ 3 ∝ 4 ∝ 5 ∝ 6 Copy Ap					
Live View							

F-3.4.5

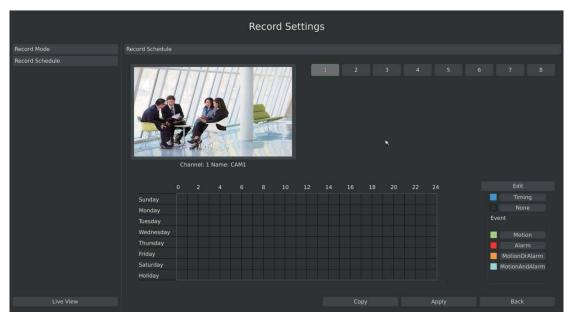
Step4. Click [Apply] to save the configuration

3.4.2 Record Schedule Setting

Note: The days are devided as Holiday/Sunday/Monday/Tuesday/Wednesday/Thursday/Friday/ Saturday. The schedule of Holiday is superior to other days. To set the holiday information, go to Chapter.3.8.4.

Method 1. General Setting

Step1.Enter Record schedule interface by clicking Record Settings→Record Schedule



F-3.4.6

Record Schedule Record Schedule I

Step2.Select desired channel (eg.Channel 1) and click [Edit] button

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Step3.Set record schedule

Select a day from the drop-down list of [Day], and select [Record Type] to setup the recording period, up to 12 periods can be set. (eg.01:00 to 05:00 for none recording; 06:00 to 18:00 for timing recording; 19:00 to 21:00 for Motion recording; 22:00 to 24:00 for Alarm recording)

			Record Setti	ngs							
Record Mode	Record Schedule										
Record Schedule			Record Scheo	dule							
		Day: Sunday									
			TIME		RECORD TYPE						
		Time1 : 00:00-00:00			None ~						
		Time2 : 00:00-00:00			None ~						
	6	Time3 : 00:00-00:00			None ~						
		Time4 : 00:00-00:00 Time5 : 00:00-00:00			None ~ None ~						
		Time5 : 00:00-00:00									
		Time7 : 00:00-00:00			None ~ None ~						
		Time8 : 00:00-00:00			None -						
		Time9 : 00:00-00:00			None ~						
		Time10: 00:00-00:00			None ~	20		24		Edit	
	Sunday	Time11: 00:00-00:00			None ~					Timing	
	Monday	Time12: 00:00-00:00			None -	-					
	Tuesday								Event		
	Wednesday				Back						
	Thursday			Apply	васк		-			Alarm	
	Friday		_							tionOrAlarr	
	Saturday										
	Holiday						e de		Mot		m
	Holiday										
Live View											

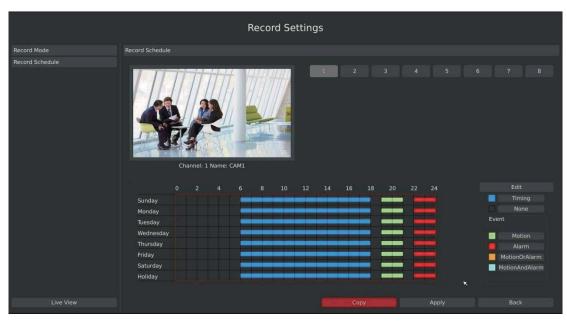
F-3.4.8

Note: Time periods cannot overlap with each other.

Step4.Click [Copy] to copy settings to other weekdays, and then click [Apply] to confirm the setting.

		Record Settings		
Record Mode				
Record Schedule	AL	Copy Week Monday Vuesday Vednessday Thursday Friday Saturday Sunday holiday		
	Sunday		20 22 24	Edit Timing None
	Monday			Event
	Tuesday Wednesday			
	Thursday	Cancel Cancel		Motion
	Friday			Alarm MotionOrAlarm
	Saturday			MotionOrAlarm
	Holiday			
Live View		Сору	Apply	Back

F-3.4.9



Step5.After above steps, this channel with show as below:

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Step6.Copy the recording settings to other channels

Select [Copy] to copy the same settings to other channels. And click [OK] to save the configuration.

		Record Settings		
Record Mode	Record Schedule			
Record Schedule				
		Channel Copy		
	Chanr			
	Sunday			Timing
	Monday	QK Cancel		
	Tuesday			Event
	Wednesday			Motion
	Thursday	_ حد ها ده ها به ده به به ها ها ها ها		Alarm
	Friday			MotionOrAlarm
	Saturday			MotionAndAlarm
	Holiday			
Live View		Сору	Apply	Back

F-3.4.11

Step7.Save the configuration

Click [Apply] button to save the configuration, and then click [Back] to return to the previous menu.



Method2.Set record schedule by drag the mouse

					P	lecor	d Se	tting	S							
Record Mode	Record Schedule															
Record Schedule		Char	nnel: 1 M	Name: C	AM1				1							
									14	16	18	20	24			
	Sunday															
	Monday														Nor ent	
	Tuesday													EV	ent	
	Wednesday															
	Thursday															
	Friday															
	Saturday													-	MotionAn	
	Holiday															

Step1.Enter Record schedule interface by clicking Record Settings→Record Schedule

F-3.4.12

						кесс	ora Se	etting	js						
Record Mode	Record Schedule														
Record Schedule									1	2					
		Ch	annel: 1	L Name:	: aisle										
												24			
	Sunday														
	Monday														
	Tuesday												Eve	ent	
	Wednesday														
	Thursday													Aları	
	Friday														
	Saturday										-		_	MotionAn	
	Holiday														
Live View															

Step2.Click desired channel and record type show as below:

F-3.4.13

Step3.Drag the mouse to draw certain areas in recording setting zone, and then click [Apply] to save the configuration.

			Record Se	ttings			
Record Mode	Record Schedule						
Record Schedule							
	Che	Annel: 1 Name: aisl					
			6 8 10	12 14	16 18 20	22 24	
	Sunday	2 4 (0 8 10	12 14	16 18 20	22 24	Timing
	Monday						None
	Tuesday						Event
	Wednesday						
	Thursday						Motion Alarm
	Friday			_	_		MotionOrAlarm
	Saturday		_				MotionAndAlarm
	Holiday						
Live View							



Step4.Copy the recording settings to other channels.

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Select [Copy] to copy the same settings to other channels. And click [OK] to save the configuration.

	х	Record Settings		
Record Mode	Record Schedule			
Record Schedule				
		Channel Copy		
	Chanr			
			20 22 24	
	Sunday			Timing None
	Monday	Cancel		Event
	Tuesday			Event
	Wednesday			Motion
	Thursday			Alarm
	Friday			MotionOrAlarm
	Saturday			MotionAndAlarm
	Holiday			
Live View		Сору	Apı	oly Back

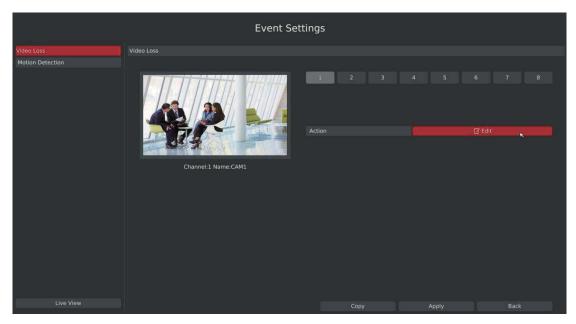
F-3.4.15

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3.5 Event Settings

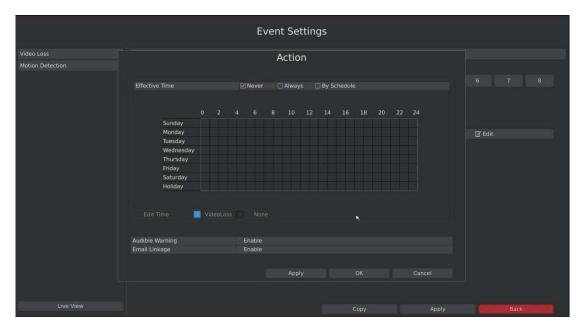
3.5.1 Video Loss Setting

Your NVR can be setup to detect video loss and trigger an action.



F-3.5.1

Step2.Select a desired channel and click [Edit] to configure video loss.





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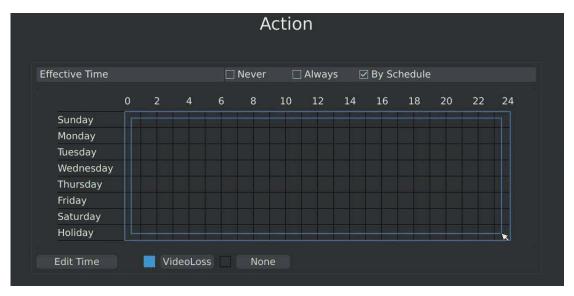
Step3.Select effective time to setup when you want to trigger actions once video loss is detected.

Effective Time 🛛 🗹 Never 🗌 Always 🗌 By Schedule

[Never]: Your NVR will not trigger any actions when [Never] button is checked. No matter the [Audible Warning] or [Email Linkage] checkboxes are checked or not.

[Always]: Your NVR will always trigger actions when [Always] button is checked. Please make sure [Audible Warning] or [Email Linkage] is checked.

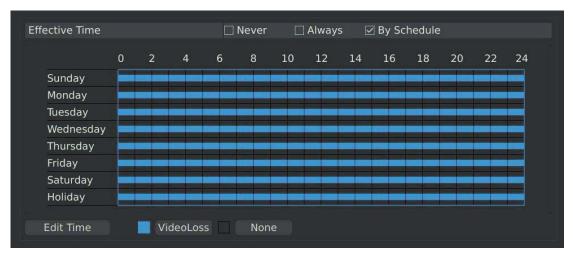
[By Schedule]: You can drag the mouse to draw certain area in schedule setting zone, show as below:





After dragging this will show as below:

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F-3.5.4

Or click [Edit Time] to set schedules. Schedule can be set for all week or any day of the week with up to 12 time periods per day. Video loss actions take effect in the scheduled period only.

	-11-	Event Setting	IS		
Video Loss		Action			
Motion Detection		Action			
	Effective Time	Schedule			
		Day Monday			
		Time2 00:00-00:00	20	22 24	
	Sunday Monday	Time3 00:00-00:00			
	Tuesday	Time4 00:00-00:00			🕼 Edit
	Wednesday	Time5 00:00-00:00			
	Thursday	Time6 00:00-00:00			
	Friday	Time7 00:00-00:00			
	Saturday	Time8 00:00-00:00			
	Holiday	Time9 00:00-00:00			
		Time10 00:00-00:00			
		Time11 00:00-00:00			
	Edit Time 📃 Vide	time12 00:00-00:00			
	Audible Warning				
	Email Linkage	Copy Apply Ok	Cancel		
		Apply		Cancel	
				cancer	
Live View					

F-3.5.5

Note: Time periods cannot overlap with each other.

RECOVISION

	й.	Event Setting	S		
		Action			
Motion Detection		Action			
	Effective Time	Schedule			
		Copy Weekday			
			20	22 24	
	Sunday	Monday 🗸 Tuesday 🗸 Wednesso	ay 🗸 Thursday	22 24	
	Monday	🗸 Friday 🔍 Saturday 🗹 Sunday	✓ holiday		
	Tuesday				🕼 Edit
	Wednesday				
	Thursday				
	Friday				
	Saturday				
	Holiday				
	Edit Time 🗾 Vid				
	Audible Warning				
	Email Linkage	R OK	Cancel		
		Apply		Cancel	

Step4.Click [Copy] to copy the video loss schedule to other weeks, and then click[OK].

F-3.5.6

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Step5: Select actions you want when video loss is detected.

Trigger Alarm Output	✓ 1	⊻ 2	⊻ 3	✓ 4
Audible Warning	🗸 Enable			
Email Linkage	🗹 Enable			

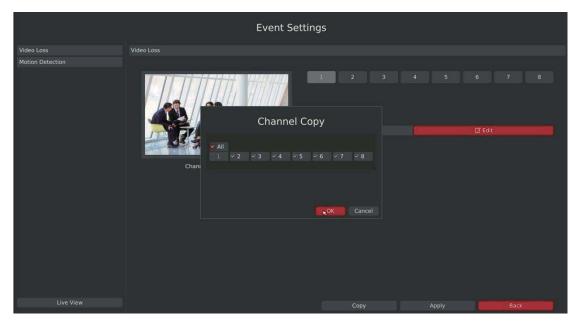
[Trigger Alarm Output]: Select whether trigger the alarm output or not when video loss is detected.

Audible Warning: Trigger an audible beep when video loss is detected

Email Linkage: Send video loss note to specified email address when video loss is detected. (Please refer to *3.8.2.4 Mail configuration* for mail address setting)

Note: These actions will only take response according to effective time you choose

Step6. Click [OK] or [Apply] to confirm the settings. Repeat above steps for other channels. Or click [Copy] to copy settings to other channels.



F-3.5.7

3.5.2 Motion Detection Setting

RECOVISION

Your NVR can be setup to detect motion and trigger an action. Before configuration, please make sure your IP cameras have enable motion detection features.

Step1.Enter motion detection setting interface by clicking Main Menu \rightarrow Event \rightarrow Motion Detection.

		Ever	nt Setting	js					
Video Loss	Motion Detection								
Motion Detection									
				1					
		a bally	Act					🖉 Edit	
	- C. A.								
	Channel:1 Name:C	AM1							
	Trigger Channels Record								
					Сору	Ap	ply		

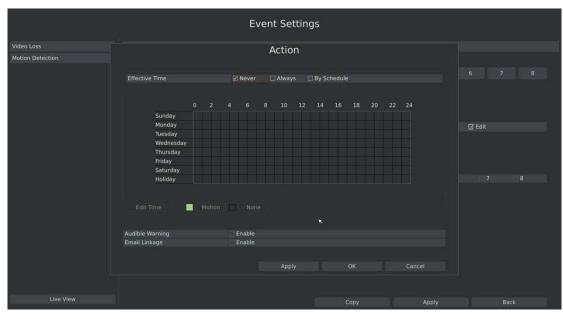
F-3.5.8

[**Trigger Channels Record**]: Select channels to trigger for recording when motion is detected by checking the checkboxes under the desired channels. Please make sure other channels has setup motion recording schedule.

Trigger Channels Record

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Step2. Select the desired channel and click [Edit] to configure motion detection.

RECOVISION

F-3.5.9

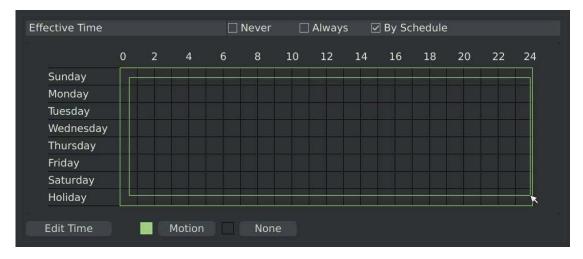
Step3. Select effective time to setup when you want to trigger actions once motion is detected.

Effective Time 🛛 Never 🗌 Always 🗌 By Schedule

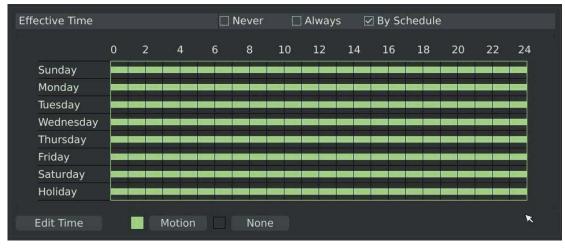
[Never]: Your NVR will not trigger any actions when [Never] button is checked. No matter the [Audible Warning] or [Email Linkage] checkboxes are checked or not.

[Always]: Your NVR will always trigger actions when [Always] button is checked. Please make sure [Audible Warning] or [Email Linkage] is checked.

[By Schedule]: You can drag the mouse to draw certain area in schedule setting zone, show as below:





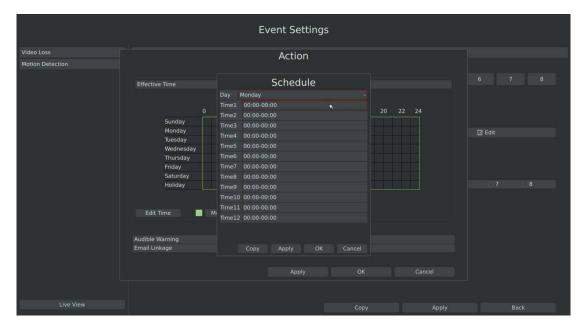


After dragging, this channel will show as below:

RECOVISION



Or click [Edit Time] to setup schedules. Schedule can be set for all week or any day of the week with up to 12 time periods per day. Motion detection actions take effect in the scheduled period only.



F-3.5.12

Note: Time period cannot overlay with each other



Step4.Click [Copy] to copy the motion detection schedules to other weekdays.

F-3.5.13

Step5. Select actions you want when motion is detected

RECEVISION

Audible Warning	✓ Enable
Email Linkage	🗹 Enable

[Audible Warning]: Trigger an audible beep when motion is detected

[Email Linkage]: Send motion detection note to specified email address when motion is detected. (Please refer to *3.8.2.4 Mail configuration* for mail address setting)

Note: These actions will only take response according to effective time you choose

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Step6. Click [Apply] or [OK] to confirm settings. Repeat above steps to other channel. Or click [Copy] to copy settings to other channel.

		Event Setting	ıs	
Video Loss	Motion Detection			
Video Loss Motion Detection	Motion Detection	Channel Cop		6 7 8 C Eait
Live View				

F-3.5.14



3.6 State

You can have a quick view of the information of the device, network, camera, disk and event. This part is only for your rapid reference. If you want to make any configuration, please go to corresponding parts accordingly.

3.6.1 Device Information

Step: Enter Device information menu by clicking Main Menu→State→Device Information

It will show you information in F-3.6.1, including: Device ID, Device Name, Hardware Version, Software Version, and Serial Number.

	ю.	Status	
Device Information			
Network Status			
Camera Status			
Disk Status			
Event Status			
Live View			Back

F-3.6.1

3.6.2 Network Status

Step: Enter Network Status menu by clicking Main Menu→State→Network Status

It will show you information in F-3.6.2, including: Connection, Mode, DHCP, MTU(B), IP Address, Net mask, Gateway, MAC, Preferred DNS Server, Alternate DNS Server, Receive Rate, and Send Rate.

		Statu	s		
Device Information	Network Status				
Camera Status	LAN Connection				
Disk Status		Disable			
vent Status		192.168.17.4		255.255.255.0	
			Alternate DNS Server		

F-3.6.2

3.6.3 Camera Status

REC VISION ·

Step: Enter camera status menu by clicking Main Menu→State→Camera Status

It will show you information in F-3.6.3, including: Channel, Name, Enable, IP Address, Record, Frame Rate, Bitrate, Resolution and State.

				Status						
Network Status										
Camera Status		Name	Enable	IP Address	Record	Frame Rate	Bitrate	Resolution	Status	
Disk Status		CAM1 CAM2	Enable Enable	192.168.17.104 192.168.17.105	OFF OFF	15fps 8fps	632Kbps 1163Kbps	1280x720 1280x720	Connected Connected	
		CAM2 CAM3	Enable	192.168.17.105	OFF	arps 10fps	668Kbps	1280x720	Connected	
Event Status	4	CAM4	Enable	192.168.17.108	OFF	10fps	922Kbps	1280x720	Connected	
		CAM5	Disable							
		CAM6	Disable							
		CAM7	Disable							
		CAM8	Disable							

F-3.6.3

3.6.4 Disk Status

Step: Enter disk status menu by clicking Main Menu→State→Disk Status

It will show you information in F-3.6.4, including: Port, Vendor, State, Total (GB), Free (GB), HDD Type, In Use, and Recycle Mode. You can see the Total Capacity (GB) and Available Capacity (GB) as below:

		Status		
Device Information Network Status Camera Status	Disk Status Port Vendor 2 WDC WD5000AVDS-6	State Total(GB) Used(GB) FORMATTED 488 357	Free(GB) HDD Type In Use 106 LOCAL +	Recycle Mode
Disk Status Event Status				

F-3.6.4

3.6.5 Event Status

3.6.5.1 Alarm Status

Step: Enter alarm page by clicking Main Menu→State→Event Status It will show you the Alarm Input List in F-3.6.5.

			Status		
	Alarm	Camera Event			
Network Status	Alarm Input List				
Camera Status	NO.	Alarm Name	Alarm Type	State	
Disk Status					
Event Status					
		×			
	Alarm Output Lis				
Live View					Back

F-3.6.5

3.6.5.2 Camera Event Status

RECOVISION

Step: Enter camera event page by clicking Main Menu→State→Event Status.

It will show you the camera event status in F-3.6.6. If the shows in red, it means the corresponding project is active.

			Status			
Device Information	Alarm	Camera Event				
Network Status						
Camera Status	1	CAM1	192.168.17.104			
Disk Status		CAM2	192.168.17.105		—	
Event Status		САМЗ	192.168.17.106	-	-	-
		CAM4	192.168.17.108	-		
	5	CAM5 CAM6		-		
		CAM7				
		CAM8			_	_
			×			
Live View						Back

F-3.6.6

RECOVISION

3.7 Live View Settings

3.7.1 Live View

Watching a Live View

There are multiple icons on each channel displayed in live view mode, indicating the recording and alarm status of the channel.

Icons	Descriptions
NN	Indicates video loss or tampering alarm
÷.	Indicates motion detection alarm
	Indicates the current channel is recording. The recording may have been started manually, from a schedule, motion detection, alarm, and/or triggered from motion and alarm.
*	Indicates exception alarm and recording.

Use the Right Button of the Mouse in Live View

Menu	
Single Screen 🔸	Channel 1
4 Screen	Channel 2
8 Screen	Channel 3
8_1 Screen	Channel 4
9 Screen	Channel 5
Previous Screen	Channel 6
Next Screen	Channel 7
Sequence	Channel 8
Logout	

F-3.7.1

Item	Description
Menu	Enter main menu
Single Screen	The channel chosen will spread the whole screen. You could also reveal this
Single Scieen	function by double clicking the channel.
Sub Screen Ctrl	Switch to sub screen to operate.
Previous Screen	Switch to the previous screen
Next Screen	Switch to the next screen
Sequence	Enable single/multi screen cruise in live view mode
Sub Sequence	Enable single/multi screen cruise in AUX live view mode
Logout	Click it to logout current user account.



Quick Operation for Live View

Enter the live view interface; left click the channel, the quick menu will appear.

Quick menu operations include playback, recording manually, snapshoot, PTZ, zoom, and image configuration.

Quick Menu Instructions for Main Output Live View

	0				X
Icon	Description	Icon	Description	Icon	description
۲	Manually recording	£	Image configure		PTZ Control
••• ••	Sound on/off	ά	Digital zoom	0	Snapshoot by manually
Х	Close				

3.7.2 Layout Configuration

Step1: Enter layout configuration menu by clicking Main Menu→Live View→Layout configuration



F-3.7.2

You can choose single screen/4/ 8 /8-1/9 screens for layout configuration according to your needs and preferences.

Step2. Click it to close a channel, or click a desired channel (shown F-3.7.3) to add in and then click "Apply" to confirm settings. Click "Reset" to reset the layout.

e 1	■ 2	■ 3	■ 4	e 5	■ 6	■ 7	■ 8
			F-3.7	7.3			

3.7.3 More Settings

RECOVISION

Live View Parameters Settings

Step: Enter the more setting interface by clicking Main Menu→Live View→More

		Live View Settings	
Layout Configuration			
More			
	Borderline		
	Channel Name	OFF	
	Channel Name Color		
	Main Sequence Interval	NO SEQUENCE	
	Sub Sequence Interval	NO SEQUENCE	
	Separately Configure Layout	Disable	
	Skip Blank Page	Enable	

F-3.7.4

Item	Description
Borderline	Borderline ON/OFF
Channel Name	Display the channel name
Channel Name Color	To change the color of the channel name
Sequence Interval	Set sequence interval in live view mode
Separately Configure Layout	To configure channel order of all layouts respectively
Skip Blank Page	Skip blank page in sequence mode

RECOVISION

3.8 System Settings

3.8.1 General Setting

Step: Enter general menu by clicking Main Menu→System Settings→General

To setup the general parameters of NVR, including modify the host name, device ID, select resolution, and set system time manually, etc.

		System Settings		
	General			
Network				
	Host Name	NVR		
Disk Management	Device ID	255		
Holiday Configuration	HDMI Resolution	1920X1080/60HZ		
	HDMI Resolution	Disable		
Upgrade	Audio Out Volume	60%		
Save/Load Configuration	Boot Wizard	Enable		
	Local Authentication	Enable		
	Menu Authentication	Disable		
	Menu Timeout			
	Mena Inteout			
	Server Time	2014.01.26. AM 09:27:39		
	Time Zone	8 China (Beijing)		
	Daylight Saving Time	Automatic		
	Date Format	MM-DD-YYYY-AM/PM		
	Time Setting	Automatically Synchronize With an Internet Time Server		
	NTP Server	pool.ntp.org		
Live View			Apply	

F-3.8.1

RECOVISION

3.8.2 Network Settings

3.8.2.1 Basic Configuration

Step: Enter the network setting menu to set the network parameters by clicking Main Menu→System Settings→Network, select "Basic" page

Basic configuration includes working mode, IP address, subnet mask, gateway, MTU, DNS server, etc.

			System S	ettinas		
			5,500,000	ceenigo		
	Basic	PPPOE		MAIL	More	
Disk Management	LAN1 DHCP Enable					
Holiday Configuration	IP Address		192.168.17 .4			
	Subnet Mask		255.255.255.0			
Upgrade	Gate Way		192.168.17 .1			
Save/Load Configuration	Preferred DNS	Server	192.168.17 .1			
	Alternate DNS S	Server				
	MTU(byte)					
	MAC Address		08:5A:E0:05:00:53			

F-3.8.2

Notes:

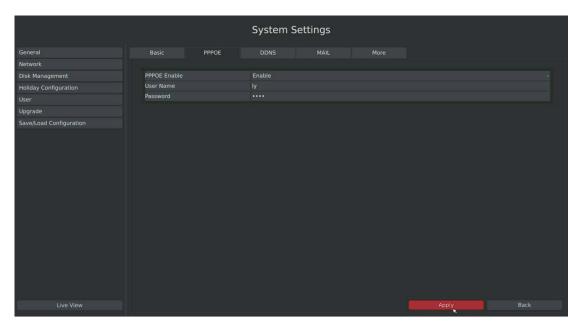
- **1.** Check the DHCP checkbox if there has a DHCP server running in networks.
- 2. The valid range of MTU is 500~9676.
- 3. Do not input an IP address conflict with another device.

3.8.2.2 PPPOE Configuration

RECOVISION

Step: Enter PPPOE menu by clicking Main Menu→System Settings→Network. Select "PPPOE" page

Check the PPPoE checkbox to enable the feature, and then input user name, password and confirm password for PPPoE access.



F-3.8.3

Note:

PPPoE user name and password can be obtained from your service provider. Once the setup is completed, a connected status will be shown.

3.8.2.3 DDNS Configuration

RECEVISION

If your NVR is setup to use PPPoE to connect public network, you may need to use DDNS (Dynamic Domain Name System) to solve the problems from dynamic IP address.

Step:Enter DDNS configuration menu by clicking Main Menu→System Settings→Network, Select "DDNS" page

Check the DDNS checkbox to enable the feature. Select "DDNS Server", and input username, password and host name, and then confirm. Click [Apply] for application.

Note: "host name" can use letters, figures and hyphen (-), and must begin with letters.

			System S	Settings		
	Basic	PPPOE	DDNS	MAIL		
Network						
Disk Management	DDNS Enable		Disable			
Holiday Configuration	DDNS Server		Disable Enable			
	User Name					
Upgrade	Password					
Save/Load Configuration	Host Name Update Freque		300			
Live View						

F-3.8.4

3.8.2.4 MAIL Configuration

RECOVISION

Check if the SMTP port can be set or not. Please enable SSL/TLS according to actual mailbox. (Some SMTP server needs to secure connection)

Steps: Enter Mail configuration page by clicking Main Menu→System Settings→Network→ Mail

Set the Sender E-mail Address, User Name, Password, and SMTP Server.

			System S	ettings			
General	Basic	PPPOE	DDNS	MAIL	More		
Network							
Disk Management	User Name		milu@recovision.	com			
Holiday Configuration	Password						
User	SMTP Server						
and a second	Port						
Upgrade	Sender Name						
Save/Load Configuration	Sender E-mail A	Address	milu@recovision.				
	Select Receiver						
	Receiver Name						
	Receiver Addres		reco.milu@hotma				
	✓ Use SSL/TLS t		sage to server				
	 Attached Ima 						
	Snapshot Interv						
Live View					Test	Apply	Back

F-3.8.5

Select [Test] to check if the Mail function is workable.

			System S	ettings			
General		PPPOE	DDNS	MAIL	More		
Network							
Disk Management	User Name		milu@recovision				
Holiday Configuration							
User	SMTP Server						
Upgrade	Port						
Save/Load Configuration	Sender Name						
	Sender E-mail A						
	Select Receiver		Informa	tion			
	Receiver Name Receiver Addre		Email send successfully.				
	 Use SSL/TLS t 						
	 Attached Ima 						
	Snapshot Interv		2s				
Live View					Test	Apply	Back

F-3.8.6

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3.8.2.5 More

Step: Enter More configuration page by clicking Main Menu→System Settings→Network→ More

			System S	ettings			
General	Basic	PPPOE	DDNS	MAIL	More		
Network							
Disk Management	SSH Enable						
Holiday Configuration	SSH Port						
User	HTTP Port		80				
Upgrade	RTSP Port						
Save/Load Configuration							
Live View						Apply	Back

F-3.8.7

SSH Port Setting

Secure Shell (SSH) has many functions; it can replace Telnet, and also provides a secure channel for FTP, POP, even for PPP.

1. Check the SSH Enable checkbox to enable the feature.

2. Please modify SSH ports according to actual application.

Note: The default SSH port is 22.

HTTP Port Setting

The default HTTP port is 80. Please modify HTTP ports according to actual application.

Notes:

- 1. The default HTTP port for IE browser is 80.
- 2. HTTP port is used for remote network access.

RTSP Port Setting

Real Time Streaming Protocol (RTSP) is an application layer protocol in TCP/IP protocol system.

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The default RTSP port is 554. Please modify RTSP port according to actual application.

Note:

- 1. RTSP port is used for remote network live view.
- 2. RTSP port valid range is 554 or 1024~65535.

3.8.3 Disk Management

3.8.3.1 Disk Configuration

Step: Enter disk configuration menu by clicking Main Menu→System Settings→Disk Management→Configuration

Configuration page contains the basic information of the disk, see F-3.8.8. Select a disk and click [Format] to format the disk.

			System	Settings	5				
	Configuration	S.M.A.R.T							
Network									
Disk Management		WDC WD5000AVDS-6	FORMATTED	488	339	124	LOCAL		ON
Holiday Configuration									
User									
Upgrade									
Save/Load Configuration									
×									
Live View									

F-3.8.8

3.8.3.2 S.M.A.R.T Detection

RECOVISION

S.M.A.R.T detection is a monitoring system of HDD that detects and reports on various indicators of anticipating failures of HDD.

Step: Enter S.M.A.R.T configure page by clicking Main Menu→System Settings→ Disk Management →S.M.A.R.T

You can command S.M.A.R.T self-checking function to check the HDD status. Select "Test type", and click "apply" for S.M.A.R.T detection.

			Syst	em Set	tings					
	Configu	iration S.M.A.R.T								
Network										
		Raw_Read_Error_Rate	47	200	200	51	Pre-fail	Always		
Holiday Configuration		Spin_Up_Time					Pre-fail	Always		3475
		Start_Stop_Count					Old_age	Always		
		Reallocated_Sector_Ct					Pre-fail	Always		
Upgrade		Seek_Error_Rate					Old_age	Always		
Save/Load Configuration		Power_On_Hours					Old_age	Always		1299
		Spin_Retry_Count					Old_age	Always		
		Calibration_Retry_Count					Old_age	Always		
		Power_Cycle_Count					Old_age	Always		
		Power-Off_Retract_Count		200	200		Old_age	Always		
		Load_Cycle_Count					Old_age	Always		
		Temperature_Celsius	34	116	103		Old_age	Always		
	Port									
	Test Pro	C055								
	Test Typ		FAST							
	Tempera									
	Uptime(
	Test Sta									
	Test Res									
	S.M.A.R.	.T Test								

F-3.8.9

- Note:
- 1. Test type has "fast" and "full" options.
- 2. Test Status can be"status good", "status bad" and "bad tracks exist".
- 3. Test result can be"passed" or "failed".

3.8.4 Holiday Configuration

RECEVISION

It can configure the record or image capture schedule for holidays of the current year. Step1.Enter holiday setting menu by clicking System Setting→Holiday Configuration.

			System Sett	ings			
General	Holiday Configura						
Disk Management							
	1	Holiday	Disable			Ø	
Holiday Configuration		Holiday	Disable				
		Holiday	Disable				
Upgrade		Holiday	Disable			Ø	
Save/Load Configuration		Holiday	Disable			Ø	
Save/Load Configuration		Holiday	Disable			Ø	
		Holiday	Disable			ß	
		Holiday	Disable			Ø	
		Holiday	Disable Disable	1-1 1-1	1-1 1-1	Ø	
		Holiday	Disable	1-1	1-1	Q Q	
		Holiday Holiday	Disable	1-1	1-1	N N	



Step2.Edit the holiday schedule

Click for open holiday configuration page to modify holiday name, check the 'Holiday Enable' checkbox, and then select [style] to setup Start/End date. Then click [OK] to save the configuration and return to holiday configuration page. Click [Apply] to confirm settings. Note: There are Month, Week, and Date in "Style" mode.

			System Set	tings				
General	Holiday Configuration							
Network								
Disk Management	Id Ho	oliday Name	State Disable	Start I 1-1		End Date 1-1	Ed Ed	it 🔲
Holiday Configuration	2	Holiday Holiday	Disable	1-1		1-1	Ø	
User		Holiday	Disable				Ø	
Upgrade								
12463W25177147W			Holiday E	dit				
Save/Load Configuration			nonady L	and			ğ	
	7	Holiday Nam	ne New Year			1-1 1-1	Q Q	
		Holiday Enat	ole – Enable			1-1	Ø	
		Style:	Month			1-1	Ø	
		Start Date: J	anuary -					
		End Date: J	anuary ~					
Live View						Apply		Back

F-3.8.11

3.8.5 User Account Settings

By default, your NVR comes with the user name: "admin" and the password: "123456". The administrator has the authority to add or delete a user account and configure parameters for the user.

Add New User

Step1: Enter user setting menu by clicking Main Menu→System Settings→User

Click [Add] to enter add user menu, input information for the new user, select user level and click [OK].

ļ	Add User	
User Name	test	
Password	•••	
Confirm Password	•••	
User Level	Operator	v
	ok	Cancel

Note:

User name can be comprised of letters and figures. The user level is separated into User and Operator with different authority.

F-3.8.12

Step2: Set user privileges

Select the user that has been added and click [limit] button to enter user privilege menu.

Priv	ilege
Local Privilege	Remote Privilege
Channel Management	Channel Management
PTZ Control	PTZ Control
Record Settings	Record Settings
 Playback 	 Playback
 Video/Picture Export 	🗸 Video Export
Event Settings	Event Settings
✓ Status & Log	✓ Status & Log
General Settings	General Settings
Network Settings	Network Settings
Disk Management	Disk Management
Holiday Configuration	Holiday Configuration
🔄 System Upgrade	System Upgrade
Save/Load Configuration	Save/Load Configuration
Shutdown/Reboot	Shutdown/Reboot
Emergency Record	Remote Record
 Snapshot 	 Remote Snapshot
Live View Settings	
	*
	OK Cancel

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		Syste	m Settings				
General	USER						
Network							
Disk Management		admin	Admin		Ø		
Holiday Configuration	2	test	Operator	Ø	Ø	8	
User	3	test2	User	Ø	Ø	E .	
Upgrade							
Save/Load Configuration							
		Infc Do you wan Yes					
Live View					Add	Back	

F-3.8.14

Step4. Click 🗹 to edit a user.

		System	Settings			
General	USER					
Network						
Disk Management	1	admin	Admin			
Holiday Configuration		test	Operator	Ø	Ø	
User	3	toot?	Lines	Ø	Ø	Ū
Upgrade		Edit I	Jser			
Save/Load Configuration		Laire				
		User Name test2				
		Password •••				
		Confirm Password •••				
		User Level User				
		Operat User	or			
		0301				
			OK Cancel			
			UK Cancer			

F-3.8.15



3.8.6 Upgrade

Your NVR supports firmware upgrade.

		System Settings		
General	System Upgrade			
Network	Device Name			
Disk Management	Device Name			~ Refresh
Holiday Configuration				
User				
Upgrade				
Save/Load Configuration				
Live View			Upgrade	
Live View			opgrade	Back

Step1.Enter upgrade menu by clicking Main Menu→System Settings→Upgrade

F-3.8.16

System Settings Type 4 KB Trashes File 4 KB zip File 4 KB _MultiBear 4 KB dmg File Name __Trashes __Chameleon __MultiBeast __code4520 01-20140116 1.2.0.7.ext2 2.2.0.36.bin 2.2.0.36.bin 2.2.0.38.bin 2.2.0.42.bin 2.2.0.42.bin 2.2.0.42.bin 3 Jan 2014 07:27:56 7 Jan 2014 07:27:56 7 Jan 2014 03:49:02 in Lion Edition File 7 Jan 2014 03:49:08 7 Jan 2014 05:18:36 __noanes _Chameleon_2.2svn_r2187_trun. _MultiBeast - Mountain Lion Edi.. _xcode4520418508a.dmg 4 KB dmg File 29 KB jpeg File 25.2 MB bin File 25.4 MB ext2 File 23.4 MB bin File 18 Jan 2014 10:54:46 8 Jan 2014 22:38:10 8 Jan 2014 22:38:08 01-20140116-200701-00.jpeg 13 Jan 2014 22:48:14 14 Jan 2014 17:49:48 24.5 MB bin File 24.5 MB bin File 2.2.0.38.bin 2.2.0.42.bin 2014_01_03_08_24-2014_01_03. 15 Jan 2014 17:53:42 17 Jan 2014 01:14:38 17 Jan 2014 11:04:30 24.4 MB bin File 90.5 MB avi File 2014_01_03_08_24-2014_01_03. 2014_01_03_08_24-2014_01_03. 2014_01_04_08_07-2014_01_04. 266.4 MB avi File 7.1 MB avi File 5.1 MB avi File 17 Jan 2014 11:04:30 17 Jan 2014 11:04:30 18 Jan 2014 10:23:46

Step2. Search for device, and select the .bin file





Step3. Click [Upgrade] button to confirm the upgrade

		System Settir	ngs		
General	System Upgrade				
Network					
Disk Management	Device Name	USB DISK			 Refresh
Holiday Configuration					
	Trashes		4 KB Trashes File	3 Jan 2014 07:27:56	
			4 KB zip File	7 Jan 2014 03:49:02	
Upgrade	MultiBeast - Mountain Lion Edi		^{4 KB} _MultiBeast - Mountain Lion Ed	ition File 7 Jan 2014 03:49:08	
Save/Load Configuration	xcode4520418508a.dmg		^{4 KB} dmg File		
	01-20140116-200701-00.jpeg		29 KB jpeg File	18 Jan 2014 10:54:46	
	1.2.0.7.bin			8 Jan 2014 22:38:10	
	1.2.0.7.ext2 2.2.0.35.bin	Informatior	1	8 Jan 2014 22:38:08	
		If the upgrade is successf	ul the	13 Jan 2014 22:48:14	
	2.2.0.36.bin	system will automatically restart. Do		14 Jan 2014 17:49:48	
	2.2.0.38.bin	you want to continue?		15 Jan 2014 17:53:42	
	2.2.0.42.bin				
	2014_01_03_08_24-2014_01	× 1		17 Jan 2014 11:04:30	
	2014_01_03_08_24-2014_01_03		66.4 MB avi File	17 Jan 2014 11:04:30	
	2014_01_04_08_07-2014_01_04		7.1 MB avi File	18 Jan 2014 10:23:46	
			5.1 MB and etta		
Live View			1	Upgrade	Back

F-3.8.18

Note: The system will auto reboot after confirming upgrade.

RECOVISION

3.8.7 Save/Load Configuration

3.8.7.1 Profile

Your NVR supports import and export profiles.

		System	Settings		
	Profile				
Network					
Disk Management	Device Name	USB DISK			Refresh
Holiday Configuration					
			Folder	18 Jan 2014 10:17:00	
	fseventsd.		Folder	13 Jan 2014 19:19:22	
Upgrade	.Spotlight-V100		Folder	7 Jan 2014 03:48:34	
Save/Load Configuration	.Trashes		Folder	3 Jan 2014 07:27:56	
	🚞 backupavi		Folder	17 Jan 2014 17:57:46	
	ibffmpeg		Folder	27 Nov 2013 01:10:44	
	ibx264		Folder	27 Nov 2013 00:36:58	
	🚞 MultiBeast - Mour	tain Lion Edition	Folder	7 Jan 2014 03:49:08	
	💼 tmpyuvdir		Folder	18 Jan 2014 10:54:46	
	Trashes		4 KB Trashes File	3 Jan 2014 07:27:56	
	Chameleon_2.2	svn_r2187_trun	4 KB zip File	7 Jan 2014 03:49:02	
	MultiBeast - Mo	untain Lion Edi	^{4 KB} MultiBeast - Mountain Lion	n Edition File 7 Jan 2014 03:49:08	
	xcode45204185	08a.dmg	4 KB dmg File	7 Jan 2014 05:18:36	
	01-20140116-200	1701-00.jpeg	29 KB jpeg File	18 Jan 2014 10:54:46	
	1 2 0 7 bin		25.2 MB his Ella		

F-3.8.19

Step2. Select a file and then click [Import] to import files to USB device.

		System Settings		
	Profile Restore			
Network				
Disk Management	Device Name	USB DISK	- F	Refresh
Holiday Configuration	Name	Size Type	Date Modified	
	2014_01_16_12_07-2014_01_1		16 Jan 2014 14:13:56	
	2014_01_16_12_07-2014_01_1		16 Jan 2014 14:13:56	
Upgrade	2014_01_16_12_07-2014_01_1		16 Jan 2014 14:13:56	
Save/Load Configuration	2014_01_16_12_07-2014_01_1	.6 8.1 MB avi File	16 Jan 2014 14:13:56	
	2014_01_16_12_07-2014_01_1	6 9.2 MB avi File	16 Jan 2014 14:13:56	
	2014_01_16_12_07-2014_0	Information	16 Jan 2014 14:13:56	
	2014_01_16_12_07-2014_0	Information	16 Jan 2014 14:13:56	
	2014_01_16_12_07-2014_0	If import successfully, the system	16 Jan 2014 14:13:56	
	Chameleon_2.2svn_r2187_t	will automatically restart, Do you want to continue?	7 Jan 2014 01:42:16	
	NVR-01-20140120091929.c		20 Jan 2014 09:19:30	
	NVR-01-20140120091937.c	ves No		
	RTGNICv2.0.6For10.7.zip	147 NB zip File	2 Jan 2014 23:31:56	
	ubuntu-10.10-desktop-i386.iso		27 Jan 2011 22:29:24	
	xcode4520418508a.dmg	1.56 GB _{dmg File}	7 Jan 2014 05:09:56	

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Step3. Select a file and then click [Export] to export files to USB device.

		System	n Settings		
	Profile Resto				
Disk Management	Device Name	USB DISK			 Refresh
- Holiday Configuration					
	2014_01_16_12_07-2014	_01_16	7.1 MB avi File	16 Jan 2014 14:13:56	
	2014_01_16_12_07-2014	_01_16	17.6 MB avi File	16 Jan 2014 14:13:56	
Upgrade	2014_01_16_12_07-2014	_01_16	14.3 MB avi File	16 Jan 2014 14:13:56	
Save/Load Configuration	2014_01_16_12_07-2014		8.1 MB avi File	16 Jan 2014 14:13:56	
	2014_01_16_12_07-2014			16 Jan 2014 14:13:56	
	2014_01_16_12_07-2014		mation	16 Jan 2014 14:13:56 16 Jan 2014 14:13:56	
		2014_01_16_12_07-2014_ 2014_01_16_12_07-2014_ Q export successfully.			
	Chameleon_2.2svn_r2187			7 Jan 2014 01:42:16	
	NVR-01-2014012009192	2 📃	ок	20 Jan 2014 09:19:30	
	NVR-01-2014012009193	7.crg	to the cig file	20 Jan 2014 09:19:36	
	NVR-01-2014012109565		10 KB cfg File	21 Jan 2014 09:56:50	
	RTGNICv2.0.6For10.7.zip		147 KB zip File	2 Jan 2014 23:31:56	
	ubuntu-10.10-desktop-i3		693.2 MB iso File	27 Jan 2011 22:29:24	
	vendadE30419E09a dma		1.56 GB deva Ella		
				Export	Back

F-3.8.21

3.8.7.2 Restore

You can restore all parameters to default settings.

			System Settings		
General		Restore			
Network	Restore all parar	neters to default set	tings.Device will reboot automatically after restoring. Conti	nue?	
Disk Management					
Holiday Configuration					
User					
Upgrade					
Save/Load Configuration					
Live View				ок	

F-3.8.22



3.9 Shutdown



F-3.8.23

3.9.1 Logout

Click [Logout] to exit the current logon account.

3.9.2 Reboot

Click [Reboot] to restart the NVR.

3.9.3 Shutdown

Click [Shutdown] to close the NVR.

3.9.4 Close

Click [Close] to exit.