

RMS

User Manual

1. Introduction

1.1 Introduce

This SW can manage and control several DVRs from Remote site through network at the same time.

This SW provides live image monitoring, Playback and DVR configuration.

1.2 Features

The SW can manage 16CH devices and support 16Ch live view simultaneously.

Supported functions are

- 2way Audio
- Relay control
- PTZ control
- Preset configuration and movement.
- Focus control of camera.
- DVR configuration
- Remote Playback

Remote Playback will handle 1 system at a time, and provide Forward , Backward, Fast play mode and Frame by Frame mode.



(LIVE)

(PLAYBACK)

2. Installation

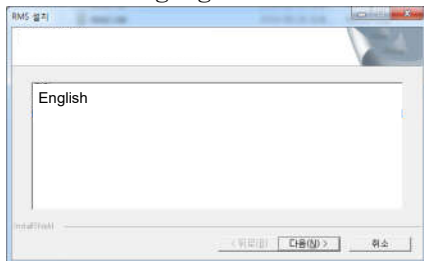
2.1 System Requirement

Below is the minimum requirement of PC specification to run the SW properly.

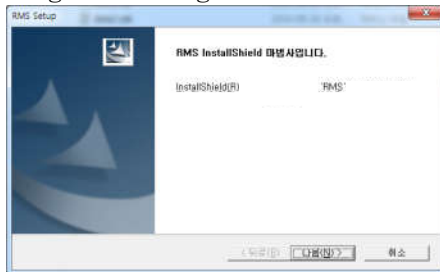
System	Minimum requirement
CPU	Intel Core2Duo 2.0GHz or higher
Memory	2GB or higher
VGA memory	128MB or higher
VGA display	1024 * 768 (With 32bit color) or higher
HDD	80GB or higher
OS	Windows XP SP2 or higher
others	Direct X 9.0 or higher

2.2 Steps to install

1. Download from web site
2. Click 'Setup.exe' file to start installation.
3. Select a Language



1. Program is being installed.




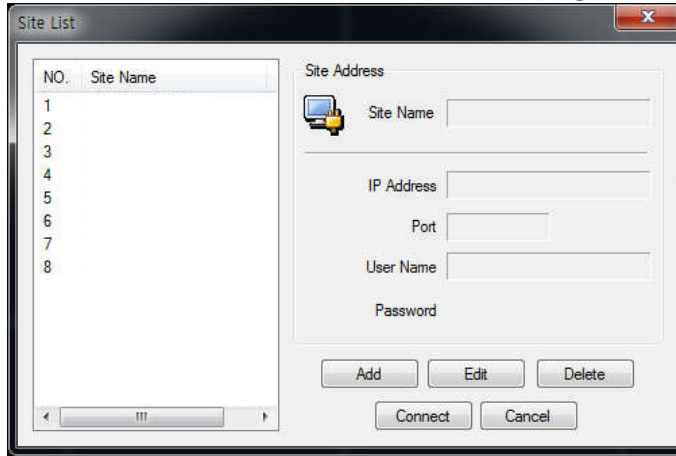
3. How to use

3.1 Register site

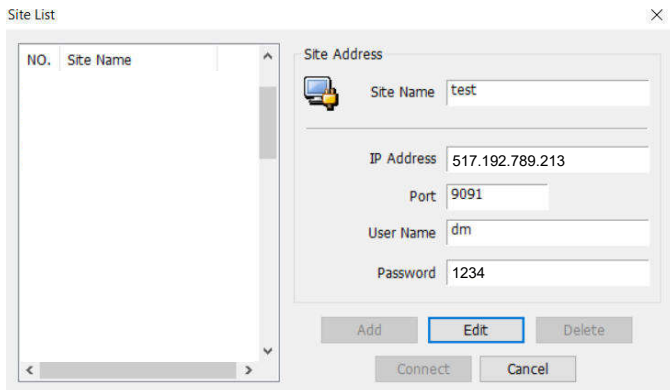
After Run the SW, User must register devices that want to control from this SW.

3.1.1 Steps to register devices

1. Select  buttons then select 'Site manager' item



2. Press ADD button and choose or type in SITE NAME, NETWORK ADDRESS, PORT NO and ID/PW.



Category	Contents
SITE NAME	Name of the equipment name which will be used in the program.
IP ADDRESS	Network address.
PORT	Network port.
ID	Registered ID.
PW	Registered PW.


3. Press [Edit] to save site information.
4. Select site and Connect.



4.2 View Live image

User can change the View mode(1/4/6/9/12/16 view), camera position and Live Zoom.

4.2.1 Live View mode

1. Select one of view mode from 

4.2.2 Change a position of channel.

1. Drag a channel by mouse click.
2. Move the mouse cursor to proper position and release a button.
3. Previous channel will be position at the point of new channel moved.

4.2.3 Live zoom

1. User can use digital zoom at selected camera on Full screen mode.
2. The Zoom In ratio can be select between 100% to 1600%.

4.3 Functions on live view

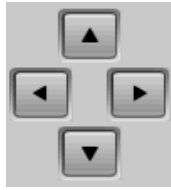
Live view supports PTZ control, Relay control and 2 way Audio.

4.3.1 PTZ control

PTZ control will be available when the connected camera support Pan, Tilt and zoom function. And also control focus, Preset, Speed of movement and Tour function.

PTZ Control

1. Select a channel that connected PTZ camera.
2. Press Arrow on screen to control movement of camera



PTZ Focus Control

1. Select a channel that wants to control Focus.




2. Press   button and set proper focus.



PTZ Zoom Control

1. Select a channel that wants to control Zoom.




2. Press   button.



Preset Control

1. Select a channel that wants to control Preset.
2. Select a preset button and press  button.
3. Camera will be reposition.
4. Move a camera position by PTZ control button and Press  button to same new preset position.

PTZ speed control




1. Select a channel that wants to control Speed.
2. Move  a slide bar at proper position during checking the speed of PTZ movements.

PTZ tour Control

1. Select a channel that wants to active tour function.
2. Press  button to run saved route of PTZ movement
3. Press  button to run saved route of PTZ movement


4.3.2 Relay Out Control

Users can control the relay out that connected to DVR. User can do activate and deactivate of Relay device remotely.

1. Select a site from the device list.
2. Press  buttons to set action as On/Off.
3. Display as  (Off) /  (On).
4. Time out of relay control set as 5 sec. so next command will be activated after 5 sec.


4.3.3 2 Way Audio Control

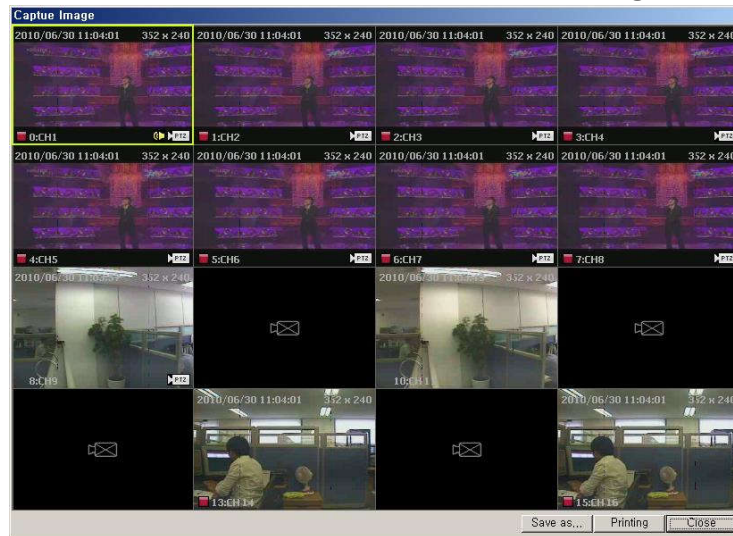
Audio from Remote PC's mic will be transferred to DVR's Speaker.

1. Select a site from the device list
2. Press  buttons and start to speak through mic of PC.
3. DVR side can hear a voice from Speaker.
4. 2way Audio button's time out set as 120 sec, so next command for 2way audio can be controlled after 120 seconds.

4.4.4 Live image capture

Users allow capturing live images and printing out selected images.

1. Press  button to capture screen.
2. Select a next action between [Save as..] or [Printing]

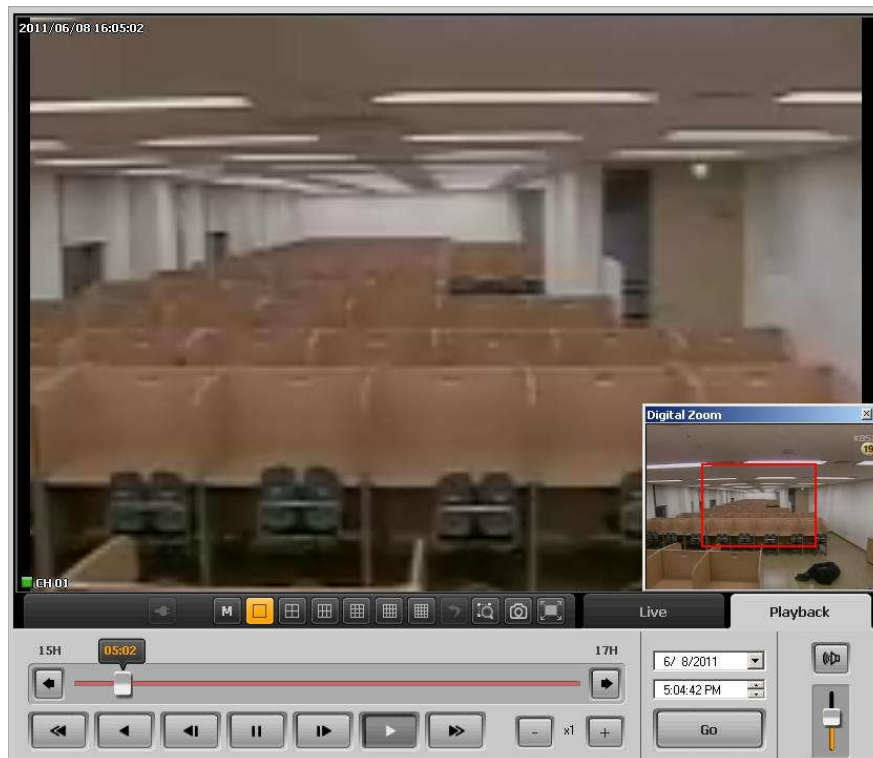


3. The image will be save as Jpeg format file.

4.4.5 Digital Zoom

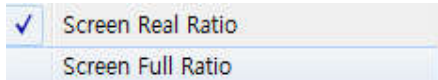
User can zoom in the selected channel.

1. Select one of the channel then press  button.
2. Move the Red color rectangle to proper position then scroll up the mouse wheel.
3. The maximum zoom ratio is 1600 %



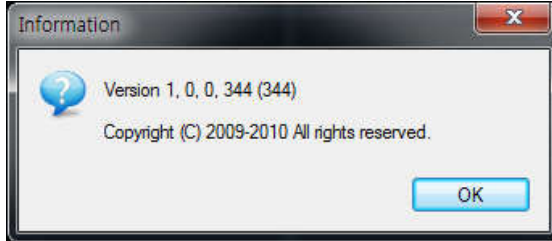
4.4.6 Screen Ratio

Setup Press SETUP to choose Screen Real Ratio or Screen Full ratio.



4.4.7 DVR Reboot

Setup Press SETUP button and then press INFORMATION to check the program info.















5. Playback

5.1 Remote playback

The network player supports to retrieve a recorded data from DVR on remote PC.

5.1.1 Control panel for playback.

Buttons	Description
	Fast backward playback
	Backward playback
	Previous frame
	Pause
	Next Frame
	Forward playback
	Fast forward playback.
	Green shows Fast P.B is ready. Red shows Fast P.B is active. Off state : non connectable DVR or outside connector
	Move to previous time line
	Move to next time line
	Speed control for playback
	Audio control box



■ Fast P.B is sending data in a lower grade resolution to allow users to check saved data more quickly and efficiently. Due to reduced frame and resolution, it is faster than standard playback function. The resolution on one screen and quad screen mode is differently managed in order to prevent rapid image degradation.


5.1.2 Play from recording file

1. Select Playback tab on SW.
2. Input the start time for playback.
3. Control the playback through  buttons.
4. User can move next / Previous hours by  buttons.




- The Backward playback is available only at 1ch full screen mode with 1 frame per each second.
- Maximum 16Channel can be playback at the same time.

5.1.3 'Go to' function

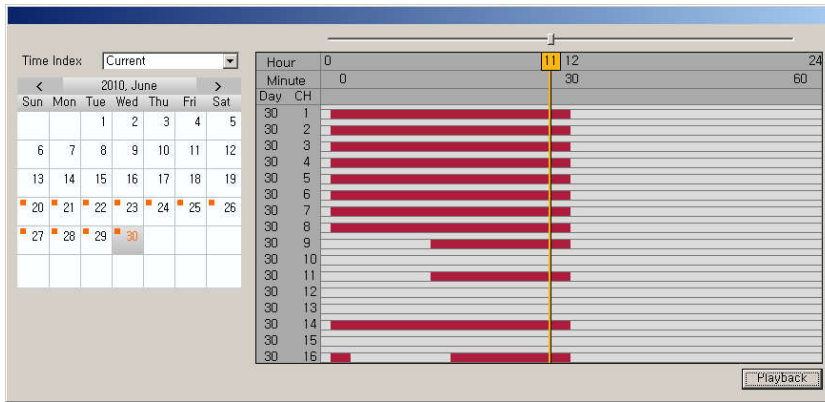
1. Select a date and time.
2. Press  button to playback directly from the selected start time point.

5.1.4 Searching recording data

1. Press  button on playback screen.
2. Select Search item on menu.
3. The calendar will be indicated different color when they have recording data.

2010, June						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

4. Select a day from a calendar.
5. Recording data table will be display on right side.
6. Select a time line that want to playback.



7. To select a minute based time line. Press playback button one more.

5.2 Backup

Recording image and audio from the DVR can be saved at remote PC.

5.2.1 Remote backup

1. Press **M** button then select **[Download]** item on menu.
2. Select start / end date and time.
3. Select channels for backup
4. Set a path for backup on PC.
5. Press **[Start button]** button to start download data from DVR.

