

Veilux MPEG4 NVR User's Manual

(Version 1.0.18)



Veilux MPEG4 NVR User's Manual

Introduction

Thank you for purchasing CryptoTelecom's NVR.

NVR program connects to network video servers (up to 16 channels) and enables you to record live video, search through recorded files and play them. Moreover, NVR performs various control functions such as camera PTZ, preset, and relay on/off. NVR is more enhanced system focused on live video transmission on network. With NVR, you can use all functions of DVR wherever you are.

For more information or inquiry, please contact us to the followings;

Home Page : www.Veilux.net
e-mail : Sales@veilux.net
Telephone ; 1-800-510-6528

Software, Server and service may be charged according to change of policy or may be stopped without prior notification. Appearance, function and specification may be changed without prior notification. Our company assumes no responsibility for visible or invisible loss resulted from changes in policy or products.

Feature

■ **Monitoring**

- 16 channel video inputs
- 4,6,8,9,16 screen display at user's option
- Expanded & contracted views / **Auto Change Screen Display**

■ **Recording**

- Force Recording: Record whenever you want manually.
- Recording by sensor detection: Recorded automatically when sensor activates.
- Recording by motion detection: Recorded automatically when motion is detected.
- Recording by scheduling: Recorded automatically according to the one week scheduling time table users set.

■ **Searching**

- Search through recorded files by date, time and recording method.

■ **Playback**

- Playback recorded files.

■ **Camera Controlling**

- Control camera Pan/Tilt/Zoom. (This feature is only available in some PTZ cameras.)
- Support pre-defined camera move.

■ **Relay Controlling**

- Control various electronic devices by relay output

TABLE OF CONTENTS

1. OVERVIEW	1
2. PRIOR TO INSTALLATION	8
2.1. GLOSSARY	
3. PROGRAM INSTALLATION.....	10
3.1. PROGRAM INSTALLATION	
1.1. RUNNING NVR PROGRAM	
4. NVR USER INTERFACE.....	14
4.1. NVR VIEWER	14
5. MENU DESCRIPTION	
5.1. CONNECT MENU	
5.2. GENERAL SETUP MENU.....	
5.3. SYSTEM MENU	20
5.4. FILE MENU	22
5.5. POP-UP MENU	24
6. HOW TO USE.....	
6.1. CONNECT AND DISCONNECT	

Veilux MPEG4 NVR User's Manual

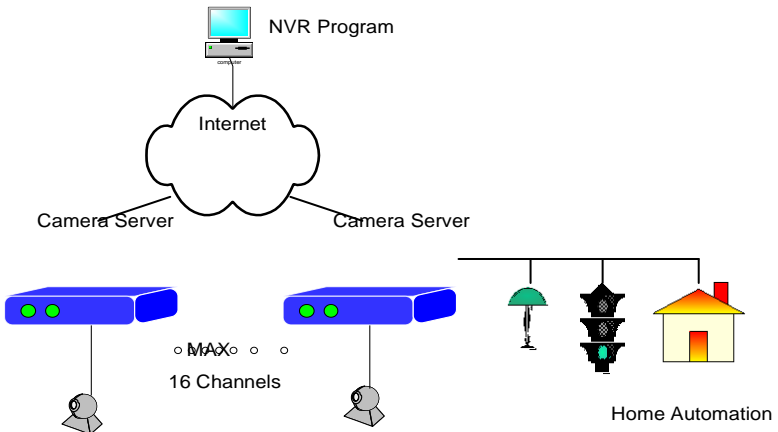
6.1.1.	CONNECT.....	
6.1.2.	DISCONNECT.....	
6.2.	DISPLAY VIEW	27
6.3.	AUTO CHANGE CHANNEL DISPLAY	29
6.4.	I FRAME DISPLAY MODE	31
6.5.	PTZ & RELAY & PRESET & SENSOR CONTROL	32
6.6.	SCREEN CAPTURE	33
6.7.	ACTIVATE EVENT BEEP SOUND	34
6.8.	RECORDING & CAPTURE DIRECTORY SETUP.....	35
6.9.	FORCE RECORDING.....	36
6.10.	EVENT RECORDING	36
6.11.	SCHEDULE RECORDING.....	38
6.12.	PLAY RECORDED FILES & VIEW CAPTURED FILES.....	40
6.13.	DISC SPACE SETTING	41
6.14.	APPLY DISPLAY FILTER	42
7.	TROUBLESHOOTING.....	44
7.1.	CANNOT RECORD	
7.2.	CANNOT FIND RECORDED FILES.....	44
7.3.	CANNOT CONNECT CAMERA SERVER	44
7.4.	DISPLAY VIEW DOES NOT FLASH AND BEEP DOES NOT SOUND WHEN EVENTS OCCUR.....	44
7.5.	PICTURE FLICKERING	44
8.	APPENDIX	45
8.1.	REQUIRED SYSTEM	45

Veilux MPEG4 NVR User's Manual

Veilux MPEG4 NVR User's Manual

1. Overview

NVR software enhances the performance of camera server and enables users to use it in an easier way. NVR optimizes DVR system to fit network environment. DVR focuses mainly on storing video files in its storage so that its live videos and recorded files cannot be transmitted appropriately on network. NVR eliminates such an inconvenient element as storage space limitations. NVR provides multiple screen displays, 24 hour reliable record, playback and advanced search by separating web server for network transmission from file storage. NVR is video recording system based on network environment, thus, users can easily operate NVR software once they first install web camera on network and have basic understandings on network system.



2. Prior to Installation

2.1. Glossary

- **Network:** Network is defined in various meanings, but used in three different meanings here.
 1. Network connected to Internet: You can connect to camera server not only by IP address but also MAC address.
 2. Closed private network or local network using IP share devices: You can connect to camera server by IP address.
 3. The case that camera server directly connects to monitoring computer: You can connect to camera server by its default private IP address.
- **IP Address:** An identifier for a computer or device on a TCP/IP network. Networks using the TCP/IP protocol route messages based on the IP address of the destination. The format of an IP address is a 32-bit numeric address written as four numbers separated by periods. Each number can be zero to 255. For example, 1.160.10.240 could be an IP address.
- **MAC Address:** In a local area network (LAN) or other network, the MAC (Media Access Control) address is your computer's unique hardware number. When you're connected to the Internet from your computer, a correspondence table relates your IP address to your computer's physical (MAC) address on the LAN.
- **Port Number:** A port number is a way to identify a specific process to which an Internet or other network message is to be forwarded when it arrives at a server. Each program employs port number. Defined port numbers are used for basic programs; Telnet 30, HTTP 80, etc.
- **Server:** In the client/server programming model, a server is a program that awaits and fulfills requests from client programs in the same or other computers. A given application in a computer may function as a client with requests for services from other programs and also as a *server* of requests from other programs.
- **Setup:** Configuration of display, recording, schedule and directory of recorded files can be set up on NVR
- **Recording:** NVR records video in MPEG4 format transmitted from camera server.
- **Motion detection:** NVR system automatically records the events when some motion is detected.
- **Sensor detection:** NVR system automatically records the events when sensors

Veilux MPEG4 NVR User's Manual

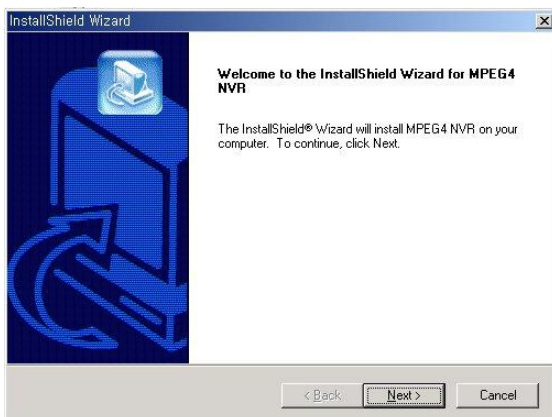
detect. Sensor is mainly used in security system for its various kind and reliability.

- **Capture:** NVR system capture a still image from video. Capturing is similar to taking a picture.
- **Schedule:** You can set up the schedule of force recording, sensor recording and motion recording because you cannot always monitor. When the scheduled time is up, video is automatically recorded.
- **Directory:** Directory is the folder that store recorded files. Normally, recorded files are stored in the hard disc of your computer that NVR is installed. You should designate new directory if you add new hard disc in your computer to expand storage space.
- **I Frame:** Video compressed in MPEG-4 is composed of lots of frames. I Frame represents a complete picture itself not referring to previous or next frame. You see I Frame when you view a still view through searching function.
- **Relay:** Relay is used to control various electronic devices. It functions as a switch to control ON/OFF on electronic devices.
- **Pan:** Controlling camera movement horizontally. Panning angle range varies up to 360°
- **Tilt:** Controlling camera movement vertically. Tilting angle range varies.
- **Zoom:** Zooming camera enables you to view distant scene by magnifying. Zoom control function is not applied to some models.
- **Preset:** PTZ-capable cameras use preset position. You can set camera movement to where you want to view. You don't need to control camera PTZ manually.
- **Private IP:** Private IP should not be used on the Internet. This is only used on local network.
- **Universal IP:** Universal IP having sole IP address is used on the Internet.

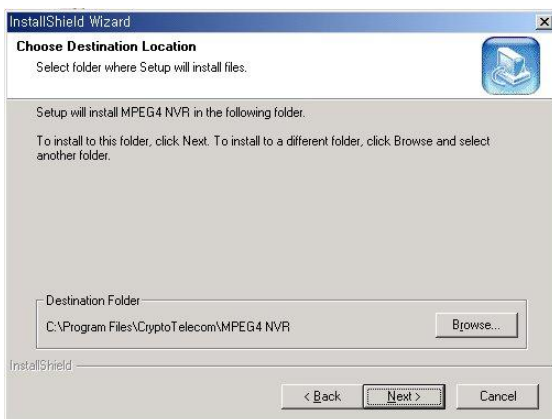
3. Program Installation

Run "MPEG4 NVR.exe" file to install NVR program.

3.1. Program Installation



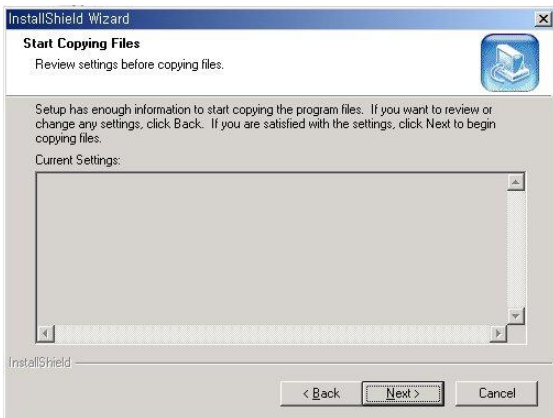
- After you run "MPEG4 NVR.exe," installation procedure starts as the figure above.
- Click "Next" to move on to the next step



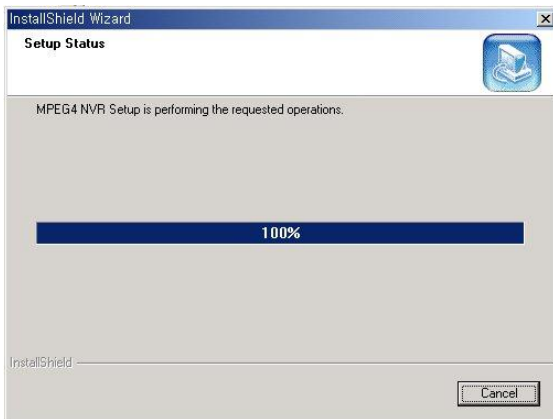
- Designate installation folder (skip if you don't want to change the default folder) and

Veilux MPEG4 NVR User's Manual

click "Next".

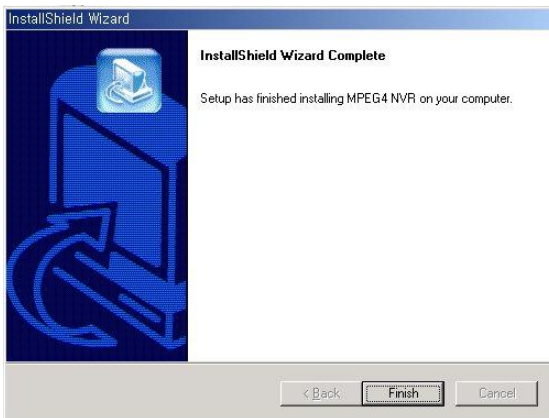


- Click "Next" to continue to install the program.



- The program is being installed.

Veilux MPEG4 NVR User's Manual



- Click "Finish" to complete installation.

1.1. Running NVR Program



- When you complete installation, "MPEG4 NVR" icon is created on your desktop. Double-click the

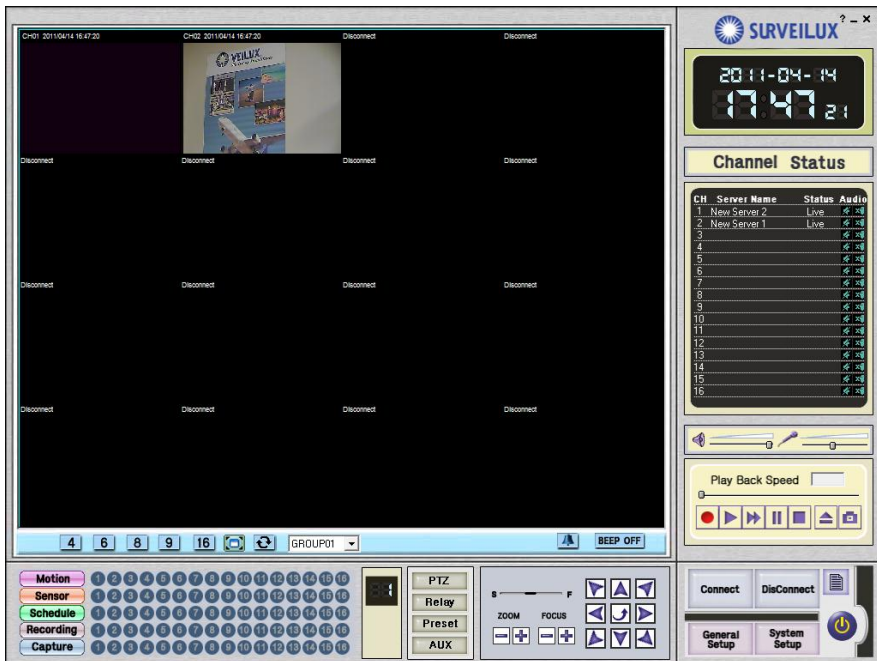
Veilux MPEG4 NVR User's Manual

icon to run the program.


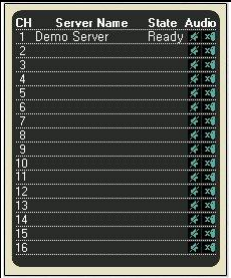


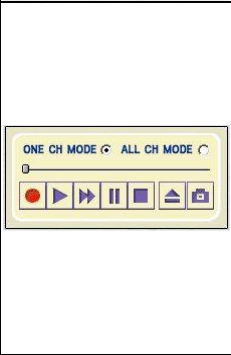











- You can also run the program under **I Start I Program I MPEG4 NVR I**

4. NVR Viewer User Interface




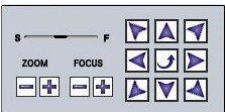





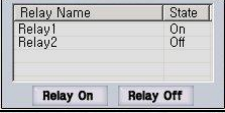




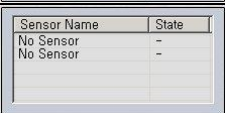








4.1. NVR Viewer



Veilux MPEG4 NVR User's Manual

		Indicate date and time of user's system.
	CH	Indicate channel number
	Server Name	Indicate server name
	State	Indicate the name of connected server.
		Click this button when you need one-way audio connection.
		Click this button when you need two-way audio connection.
	<input type="checkbox"/> ONE CH MODE	Check this checkbox when you control one channel.
	<input type="checkbox"/> ALL CH MODE	Check this checkbox when you control all channel.
	<input type="text"/>	Control video file play.
		Record video from connected server.
		Play
		Play 2X
		Pause
		Stop
		Open file menu window.
		Capture still images.
	<input type="button" value="Connect"/>	Connect server.
	<input type="button" value="DisConnect"/>	Disconnect server.
		Open server list menu window.
	<input type="button" value="General Setup"/>	Open general setup menu window.
	<input type="button" value="System Setup"/>	To open system setup menu window.
		To exit NVR program.
<input type="button" value="Recording"/>	<input type="button" value="Recording"/>	Record all channels.
<input type="button" value="Capture"/>	<input type="button" value="Capture"/>	Capture all channels.
		Indicate selected channel number.
<input type="button" value="PTZ"/>	<input type="button" value="PTZ"/>	To use PTZ.
<input type="button" value="Relay"/> <input type="button" value="Preset"/> <input type="button" value="Sensor"/>		

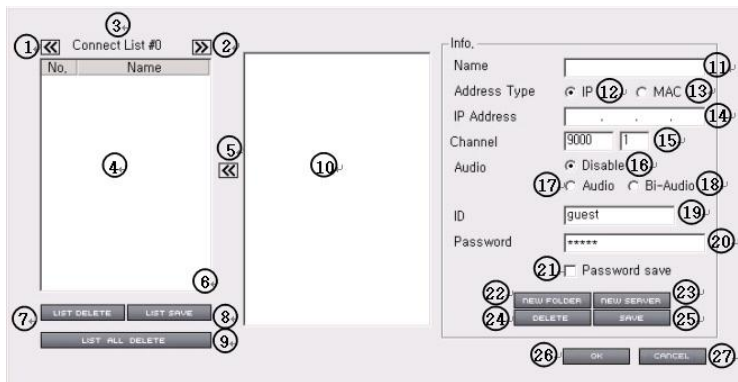
Veilux MPEG4 NVR User's Manual

		To use Relay.
		To use Preset.
		To use Sensor
		To control P/T of cameras (Pan/Tilt is controlled just by clicking on Screen, or clicking Direction Key on Keyboard)
		Automatic Pan/Tilt
		Control PTZ speed.
		Zoom In, Zoom Out.
		Focus Near, Focus Far.
		To activate each relay name selected from the list.
		To deactivate each relay name selected from the list.
		Double-click each preset name from the list to change camera view pre-defined by user. Click "TOUR" button to see all the preset camera views by turns at regular intervals.
		Sensor Name List Box. When sensor activated, "Sensoring" displays in the "State" field.
		4CH Screen Display.
		6CH Screen Display.
		8CH Screen Display.
		9CH Screen Display.
		16CH Screen Display.
		Auto Change Screen Display
		Ring the bell. (S-152)
		To turn off beep sound.

Veilux MPEG4 NVR User's Manual

5. Menu Description

5.1. Connect Menu



NO	Description
1	To see the previous connect list.
2	To see the next connect list.
3	Connect List Name
4	Display connected server list.
5	Click this button to move from server list to connected server list.
6	To re-connect to a server in case of being disconnected.
7	To delete selected server list from connected server list.
8	To save connected server list.
9	To delete all the connected lists.
10	Display server list.
11	Display server name.
12	To address IP type.
13	To address MAC type.
14	Enter either IP or MAC address.
15	Enter port number for IP address or channel number for MAC address.
16	Audio Disable

Veilux MPEG4 NVR User's Manual

17	One-way Audio
18	Two-way
19	Enter user ID.
20	Enter user password.
21	Check "Password save" checkbox to save password as file.
22	To create a new folder.
23	To add a new server
24	To delete a selected server or server.
25	To save configuration.
26	To apply configuration and close "Connection Menu" windows.
27	To cancel configuration and close "Connection Menu" windows.

5.2. General Setup Menu

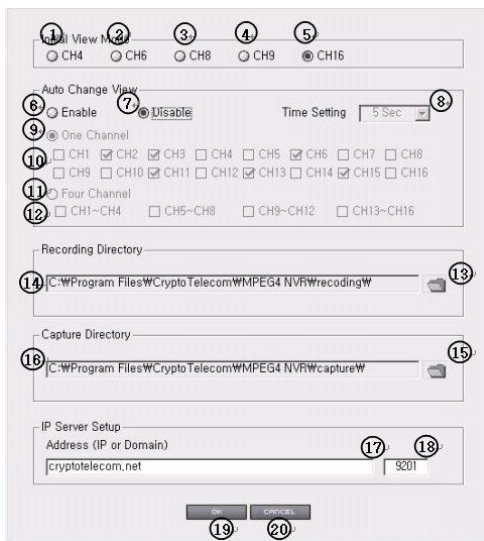
NO	Description
1	Check desired checkboxes to see I frame mode display.

Veilux MPEG4 NVR User's Manual

2	Check desired checkboxes to enable motion detection recording.
3	Check desired checkboxes to enable sensor detection recording.
4	Check desired checkboxes to enable schedule recording.
5	To select a channel from the drop-down list Setup.
6	To appoint schedule recording time.
7	Click this button to set up schedule recording.
8	Click this button to schedule recording.
9	To save appointed schedule recording time.
10	To save schedule recording time on pop-up menu by right-clicking.
11	To see the previous connect server list.
12	Display connect list name.
13	To see the next connect server list.
14	To select motion recording time from the drop-down list.
15	To select sensor recording time from the drop-down list.
16	To select force recording time from the drop-down list.
17	To check "Beep enable" checkbox to go off beep sound when events occur.
18	To select beep sound time from the drop-down list
19	Check this check box to enable disc alarm message.
20	To select disk volume for disk alarm message from the drop-down list.
21	To select display filter from the drop-down list.
21	Apply and save configuration.
22	Close general setup menu window.

5.3. System Menu

Veilux MPEG4 NVR User's Manual



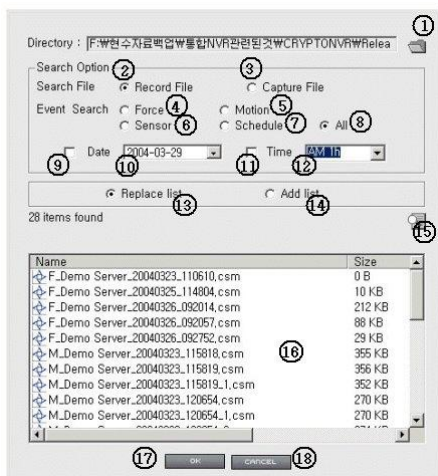
NO	Description
1	4 Channel Screen Display
2	6 Channel Screen Display

Veilux MPEG4 NVR User's Manual

3	8 Channel Screen Display
4	9 Channel Screen Display
5	16 Channel Screen Display
6	Check this checkbox to enable auto change view
7	Check this checkbox to disable auto change view
8	To select auto change view time from the drop-down list.
9	Check this checkbox to select one channel audio change.
10	Check desired checkboxes to enable audio change.
11	Check this checkbox to select four channel auto changes.
12	Check desired checkboxes to enable four channel auto changes.
13	Click this button to designate a recording folder.
14	Display a recording directory.
15	Click this button to designate a capture folder.
16	Display a capture directory.
17	Enter IP server address for MAC address type.
18	Enter port number of IP server address.
19	Save configuration and close system menu window.
20	Cancel configuration and close system menu window.

5.4. File Menu

Veilux MPEG4 NVR User's Manual



NO	Description
1	Select a directory that desired files are saved.
2	Check this checkbox to find recording files.
3	Check this checkbox to find capture files.
4	Check this checkbox to find force recording files.
5	Check this checkbox to find motion recording files.

Veilux MPEG4 NVR User's Manual

6	Check this checkbox to find sensor recording files.
7	Check this checkbox to find schedule recording files.
8	Check this checkbox to find all recording files and capture files.
9	Check this checkbox to find files by date.
10	Select date when files are created.
11	Check this checkbox to find files by time.
12	Select time when files are created.
13	Check this checkbox to delete file list and to find new files.
14	Check this checkbox to find additional files and to add them to existing file list.
15	Click to find files.
16	Display files.
17	Play a selected file.
18	Close file menu window.

5.5. Pop-up Menu



NO	Discription
1	Connect a selected server.
2	Disconnect a selected server.
3	Record or stop recording.
4	Open file menu window.
5	Capture a still image.
6	Full-sized View.
7	Open connection menu window.
8	Open general setup menu window.
9	Open system menu window.

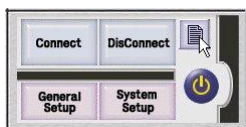
Veilux MPEG4 NVR User's Manual

10	Open administrator's webpage.
----	-------------------------------

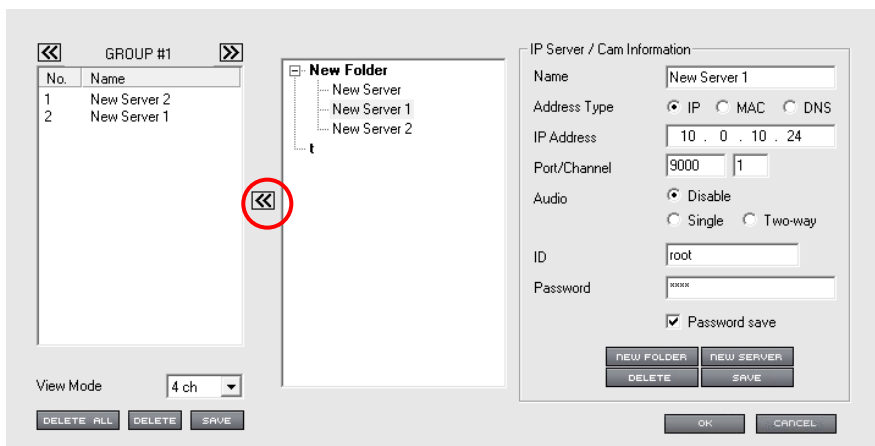
6. How To Use

6.1. Connect & Disconnect

6.1.1. Connect



- Click "Server List" icon as in the above figure and connection menu window opens.



- Click [NEW SERVER] button, add new server to the connect list and save the configuration.
- Enter IP address for IP address type after checking "IP" radio button. Enter MAC address for MAC address type after checking "MAC" radio button.
IP Address Type: Select when you use Universal IP. (You can use private IP when you connect to local network)
MAC Address Type: Select when you use Private IP. (Veilux MAC address is used.)
- Click "[X]" button and server list is added to Connect List. Click [LIST SAVE] and [OK] button.

Veilux MPEG4 NVR User's Manual

- Click [Connect] button when you want to connect.
 - [ONE CH MODE]: Connect one selected channel.
 - [ALL CH MODE]: Connect all channels.



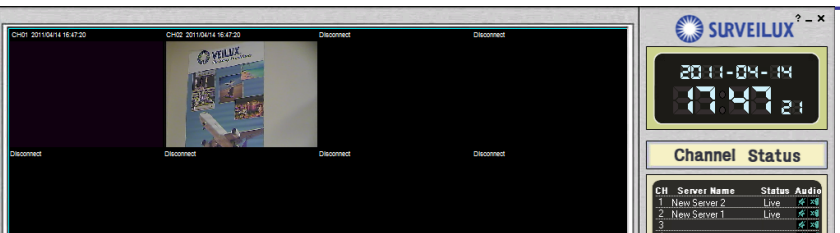
6.1.2. Disconnect

- Click [DisConnect] button when you want to disconnect.
 - [ONE CH MODE]: Disconnect one selected channel.
 - [ALL CH MODE]: Disconnect all channels.



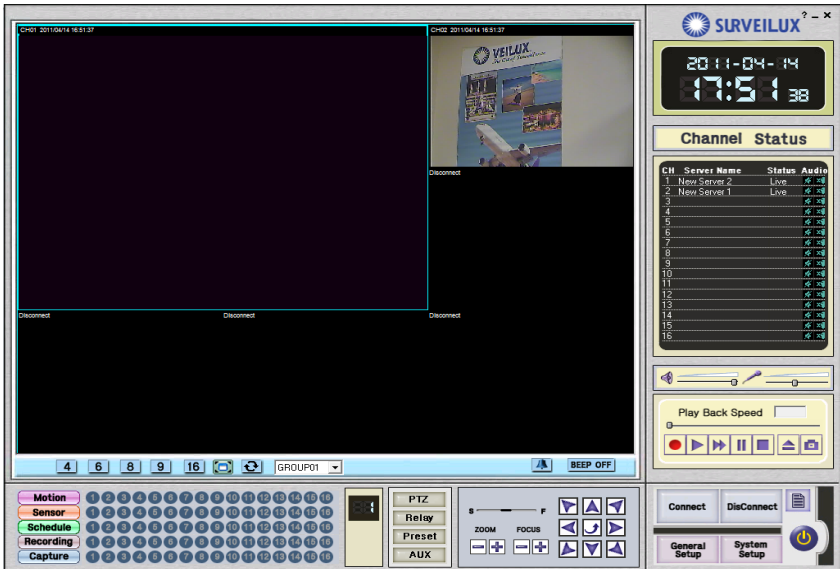
6.2. Display View

Veilux MPEG4 NVR User's Manual



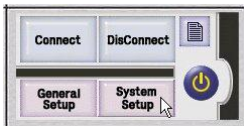
Veilux MPEG4 NVR User's Manual

- [16] Channel Display View



- [6] Channel Display View
- Selecting an area of the image by left-clicking and drag & drop.

6.3. Auto Change Channel Display



- Click [System Setup] button and system menu window opens.
- Set up as above and click [OK] button.

Veilux MPEG4 NVR User's Manual

Login ID and Password Setup

Enable

ID Pw Confirm **SAVE**

Auto Setup

Connect Full Screen


Status Bar Display Option

Title Title + Time Channel + Time


Joy Stick Support

ON **OFF**

Recorded Directory



Captured Directory



Disc Space Setup

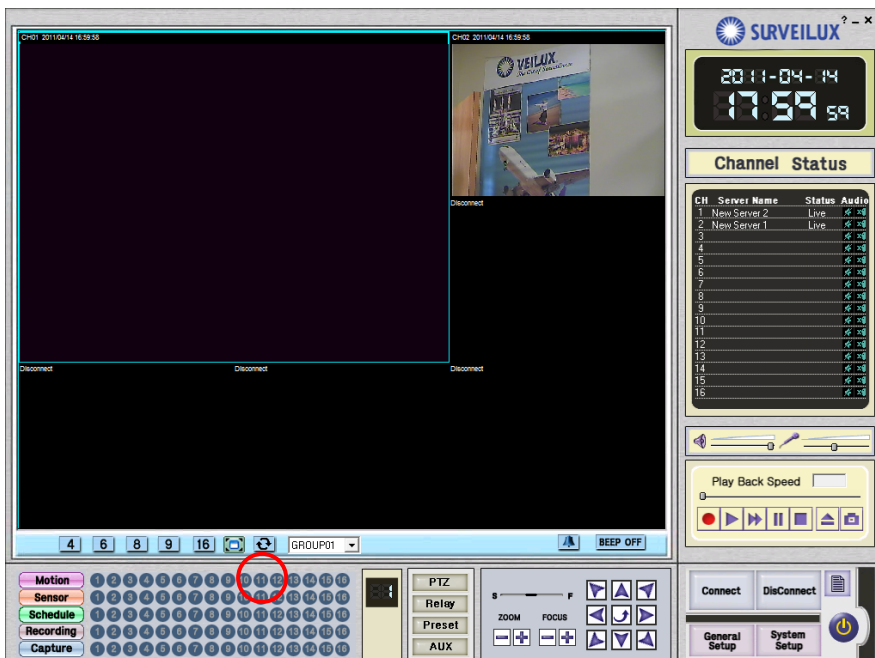
Enable to Overwrite **Disc Space to remain**


IP Server Setup

Address (IP or Domain)

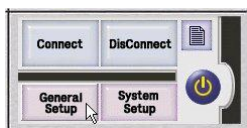
OK **CANCEL**

Veilux MPEG4 NVR User's Manual



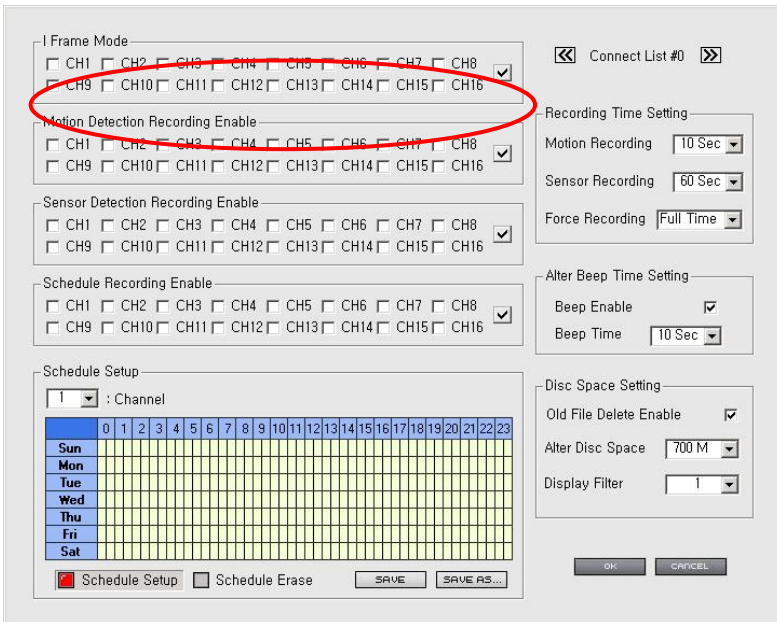
- Click “” icon and the icon color turns red. You can each channel by turns on the display at 5-second intervals.

6.4. I Frame Mode Display



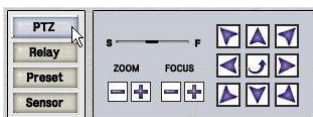
- Click [General Setup] button and general set up menu opens.

Veilux MPEG4 NVR User's Manual



- Set up "I Frame Mode" shown in the figure above and click [OK] button. (Set up each channel as "I Frame mode" display to reduce the amount of processor power.)

6.5. PTZ / Relay / Preset / Sensor Control



- Click [PTZ] to control camera PTZ.
- You can also control camera PTZ by keyboard or Zoom In(+)/Zoom Out(-) and Focus Near(N)/Focus Far(F) buttons.

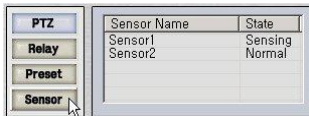
Veilux MPEG4 NVR User's Manual



- Click [Relay] to control relay.

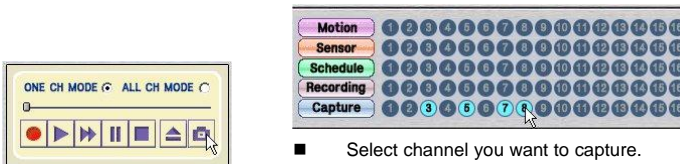


- Click [Preset] to apply user-predefined camera views.



- When “Beep Enabled” checkbox is checked on general setup menu, “Sensing” is displayed on the “State” field. This informs you how many events occurred. ([Refer to 6.7 Activate Event Beep Sound](#))

6.6. Screen Capture

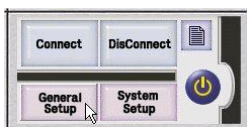


- Select channel you want to capture.
- Capture completed when you click the icon shown in the above figure.
- Screen is captured by the two modes; [ONE CH MODE] and [ALL CH MODE]

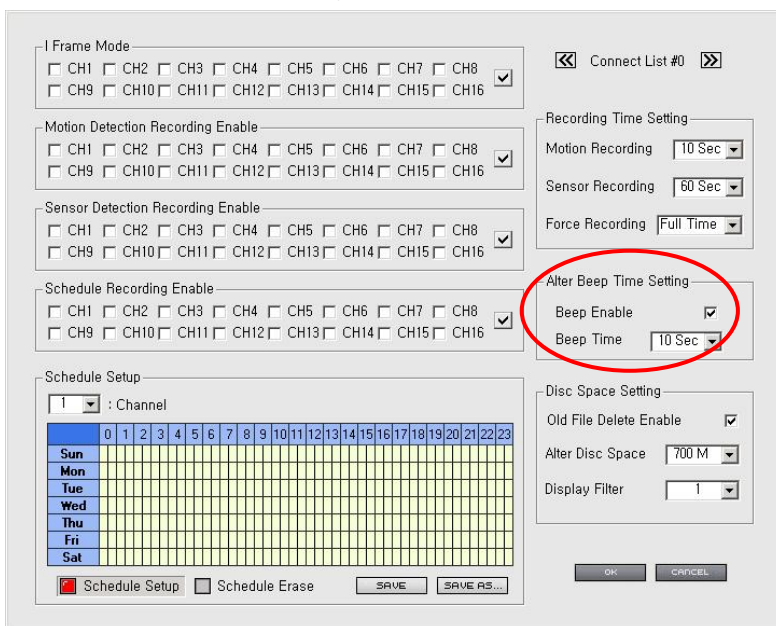
Veilux MPEG4 NVR User's Manual

Checking [ONE CH MODE] radio button, you capture only one channel's screen. When you select [ALL CH MODE], you can capture all the connected channels you selected. (The channels you select turn blue shown in the figure above.)

6.7. Activate Event Beep Sound



- Click [General Setup] button and general set up menu opens as below.



I Frame Mode

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Motion Detection Recording Enable

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Sensor Detection Recording Enable

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Schedule Recording Enable

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Alter Beep Time Setting

Beep Enable

Beep Time

Disc Space Setting

Old File Delete Enable

Alter Disc Space

Display Filter

Schedule Setup

1 : Channel

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								

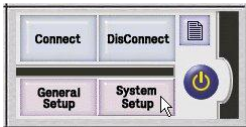
Schedule Setup Schedule Erase

- Check [Beep Enable] checkbox, set beep time. Then, click [OK] to save and exit.
- When sensor or motion detects, display view flashes and beep sounds

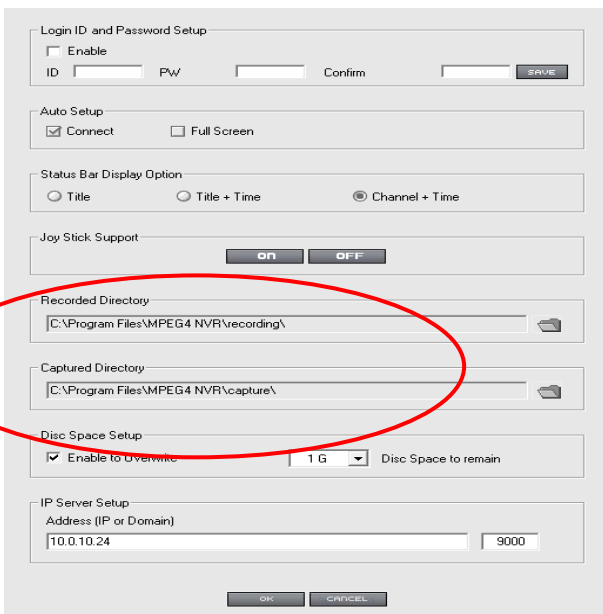
Veilux MPEG4 NVR User's Manual

- For sensor detection, display view flashes in yellow. For motion detection, flashes in white.
- Click “**BEEP OFF**” button to stop beep sound.

6.8. Recording & Capture Directory Setup

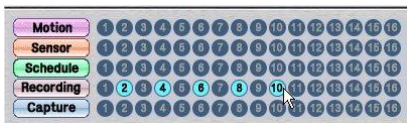


- Click [System Setup] button and system setup menu window opens as below.

A screenshot of the 'System Setup' window. The window contains several sections: 'Login ID and Password Setup' with an 'Enable' checkbox and input fields for ID, PW, and Confirm; 'Auto Setup' with 'Connect' and 'Full Screen' checkboxes; 'Status Bar Display Option' with radio buttons for 'Title', 'Title + Time', and 'Channel + Time'; 'Joy Stick Support' with 'ON' and 'OFF' buttons; 'Recorded Directory' and 'Captured Directory' fields, both containing the path 'C:\Program Files\MPEG4 NVR\recording\' and 'C:\Program Files\MPEG4 NVR\capture\' respectively, and circled in red; 'Disc Space Setup' with an 'Enable to Overwrite' checkbox, a '1 G' dropdown, and 'Disc Space to remain'; and 'IP Server Setup' with an 'Address (IP or Domain)' field containing '10.0.10.24' and a port field containing '9000'. 'OK' and 'CANCEL' buttons are at the bottom.

- [Recording Directory] and [Capture Directory] are designated for example as shown in the figure above.
- Click [OK] button to save and exit.

6.9. Force Recording

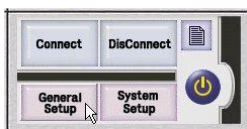


- Select channels you want to record.



- Recording starts when you click the icon and stops click it again shown in the above figure.
- Video is recorded by the two modes; [ONE CH MODE] and [ALL CH MODE]

6.10. Event Recording



- Click [General Setup] button and general setup menu window opens as below.

Veilux MPEG4 NVR User's Manual

I Frame Mode
 CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Motion Detection Recording Enable
 CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Sensor Detection Recording Enable
 CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Schedule Recording Enable
 CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Schedule Setup
1 : Channel

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								

Schedule Setup Schedule Erase

Connect List #0

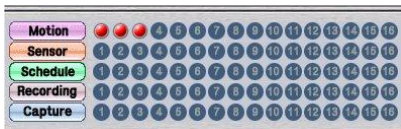
Recording Time Setting
Motion Recording 10 Sec
Sensor Recording 60 Sec
Force Recording Full Time

Alter Beep Time Setting
Beep Enable
Beep Time 10 Sec

Disc Space Setting
Old File Delete Enable
Alter Disc Space 700 M
Display Filter 1

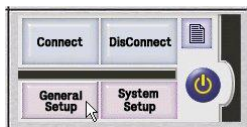
- Set up [Motion Detection Recording Enable] & [Sensor Detection Recording Enable] as shown in the figure above and Click [OK] to exit.
- Set up recoding time on [Recording Time Setting].

Veilux MPEG4 NVR User's Manual



- The numbers of motion-detected channels turns red as shown in the figure above, recording the channels' videos. (On "force recording" mode, you can record for 20 minutes at one time.)

6.11. Schedule Recording



- Click [General Setup] button and general setup menu opens as below.

Veilux MPFG4 NVR User's Manual

I Frame Mode
 CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Motion Detection Recording Enable
 CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Sensor Detection Recording Enable
 CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Schedule Recording Enable
 CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Schedule Setup
1 : Channel

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								

 Schedule Setup Schedule Erase

Recording Time Setting
Motion Recording 10 Sec
Sensor Recording 60 Sec
Force Recording Full Time

Alter Beep Time Setting
Beep Enable
Beep Time 10 Sec

Disc Space Setting
Old File Delete Enable
Alter Disc Space 700 M
Display Filter 1

- Check [Schedule Recording Enable] checkboxes and click [SAVE].
- Select a channel from the drop-down list and set recording time & day by mouse-point dragging on the schedule table. Selected time & day fields turn red. And click [SAVE].
 - [Schedule Setup] : Display recording time & day fields in red.
 - [Schedule Erase] : Erase red color by deleting recording time & day fields.
 - [SAVE AS...] : Apply current schedule recording to other channels in the same way.
- Click [OK] button.

Veilux MPEG4 NVR User's Manual



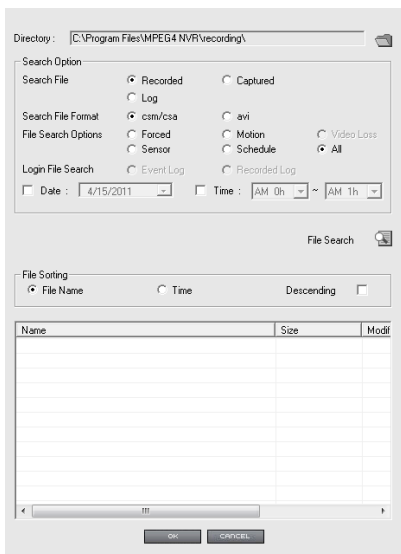
(Record processing status is shown in the figure above when No. 1 channel is selected and its scheduled time is up.)

- The number of selected channel turns red when their scheduled time is up. Recorded files are saved by 20-minute length.

6.12. Play Recorded / Captured Files



- Click the button as shown in the figure above, file menu window opens as below.



Veilux MPEG4 NVR User's Manual

- Check "Record File" radio button at [Search Option] box. Search files and select a file you want to play. Click [OK] button to play the selected file.
- Check "Capture File" radio button at [Search Option] box. Search files and select a file you want to view. Click [OK] button to view the selected file.

6.13. Disc Space Setting

- Click [General Setup] button and general set up window opens blow.

I Frame Mode

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Motion Detection Recording Enable

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Sensor Detection Recording Enable

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Schedule Recording Enable

CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16

Schedule Setup

1 : Channel

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Sun																										
Mon																										
Tue																										
Wed																										
Thu																										
Fri																										
Sat																										

Schedule Setup Schedule Erase

SAVE SAVE AS...

Connect List #0

Recording Time Setting

Motion Recording 10 Sec

Sensor Recording 60 Sec

Force Recording Full Time

Alter Beep Time Setting

Beep Enable

Beep Time 10 Sec

Disc Space Setting

Old File Delete Enable

Alter Disc Space 700 M

Display Filter 1

OK CANCEL

Veilux MPEG4 NVR User's Manual

- Check "Old File Delete Enable" checkbox
 - Old files are deleted when "Alter Disc Space" exceeds your empty hard disc space.
 - You can keep recording when there is little empty space in your hard disk by deleting old files
- Uncheck "Old File Delete Enable" checkbox
 - You cannot record when "Alter Disc Space" exceeds your empty hard disc space.

6.14. Apply Display Filter

- Click [General Setup] button, and general setup menu window opens below.

The screenshot shows the 'General Setup' menu window with the following sections:

- I Frame Mode:** Checkboxes for CH1 through CH16, with a dropdown arrow.
- Motion Detection Recording Enable:** Checkboxes for CH1 through CH16, with a dropdown arrow.
- Sensor Detection Recording Enable:** Checkboxes for CH1 through CH16, with a dropdown arrow.
- Schedule Recording Enable:** Checkboxes for CH1 through CH16, with a dropdown arrow.
- Schedule Setup:** A calendar grid for days of the week (Sun-Sat) and hours (0-23). Below the grid are buttons for 'Schedule Setup', 'Schedule Erase', 'SAVE', and 'SAVE AS...'. The 'Schedule Setup' button is highlighted with a red square.
- Connect List #0:** A button with left and right arrow icons.
- Recording Time Setting:** Three dropdown menus: 'Motion Recording' (10 Sec), 'Sensor Recording' (60 Sec), and 'Force Recording' (Full Time).
- Alter Beep Time Setting:** Two dropdown menus: 'Beep Enable' (checked) and 'Beep Time' (10 Sec).
- Disc Space Setting:** Three dropdown menus: 'Old File Delete Enable' (checked), 'Alter Disc Space' (700 M), and 'Display Filter' (1). The 'Display Filter' dropdown is circled in red.

At the bottom right, there are 'OK' and 'CANCEL' buttons.

Veilux MPEG4 NVR User's Manual

- Select "Display Filter" from the drop-down list when picture on the display has noise. (Applied to only S-152)

7. Troubleshooting

7.1. Cannot record

- Check "Recording Directory" on [System Setup] menu window.
- This happens when you uncheck "Old File Delete Enable" and "Alter Disc Space" exceeds your empty hard disc space.

7.2. Cannot find recorded files

- Recorded files are deleted when you check "Old File Delete Enable" checkbox on [General Setup] and "Alter Disc Space" exceeds your empty hard disk space.

7.3. Cannot connect camera server

- When you fail to connect camera server, NVR keep trying to connect it for about 20 minutes. Click "DisConnect" button to disconnect server.

7.4. Display view does not flash and beep does not sound when events occur.

- [\[Refer to 6.7 Activate Event Beep\]](#)

7.5. Picture Flickering

- Picture flickers when your system is not efficient enough. Upgrade your system or replace VGA card.

8. Appendix

Item	Minimum Required System	Recommended System
CPU	Pentium IV 2.0G	Pentium IV 2.4G or higher
Main Memory	256MB	512MB or higher
O/S	Windows 2000/XP/Vista/7	Windows 2000/XP/Vista/ 7
Web Browser	I.E 5.0	I.E 5.0 or later
Resolution	1,024 * 768	1,152 * 864
Network	100 Base-T Ethernet	100 Base-T Ethernet

8.1. Required System

■ OS:

- Windows2000 Professional
- Windows2000 Server
- Windows XP Home & Professional (32 bit only)
- Windows Vista (32 bit only)
- Windows 7 (32 bit only)

■ Support Language

- (English, Korean, Japanese, and Chinese)

■ Network:

Leased line, Cable, xDSL, etc. (Recommended to use high-speed line for 16 channel screen display.)

■ Feature:

- 16 channel screen display.
- Support 16 servers or more.
- 2-way audio, PTZ camera control, relay control, search through recorded files. 24 hour

Veilux MPEG4 NVR User's Manual

monitoring, recording

- Two-way audio support, camera Pan/Tilt/Zoom, preset/relay control, recorded file search, 24-hour monitoring & recording.

■ Cautions

Processor resource changes according to frame rate per channel. NVR program cannot be run normally if your system processor uses 100% resource. Select "1 Frame Mode" to low your system resource.