



NETERA*Pro*

Network Video Recorder

User's Manual

Introduction

NETERA Pro is NVR (Network Video Recorder) solution supporting the 32CH+32CH screen surveillance and the recording for maximum 32 CH.

Product Features

- Maximum 32 screen recording in real time
- Dual monitor support (32 Screen+32 Screen)
- Create the unlimited recording task of maximum 32CH
- Support for the scheduled recording
- Maximum 1000 site access possible
- Search function for recorded data
- Media backup(avi, jpg) for the recorded data
- Remote camera PTZ control function
- Remote environment setup function
- Remote playback and backup function
- 2Way audio communication function
- Up to 20TB, 40TB backup storage support
- No Limit for simultaneous access by 1:N access
- Remote program upgrade function

System Requirements

1. Operating 480 frame rate with CIF mode for all channels(16CH CIF)

- **CPU:** Intel® Pentium™ D 930Hz or above
- **RAM:** 512MB or above

2. Operating 480 frame rate with 4CIF(D1) mode for all channels(16CH 4 CIF)

- **CPU:** Intel® Duo™ 2.4 GHz or above
- **RAM:** 1GB or above

3. Operating 980 frame rate with 4CIF(D1) mode for all channels(32CH 4 CIF)

- **CPU:** Intel® Core™ 2 Quad 3.0GHz or Above
- **RAM:** 1GB or above

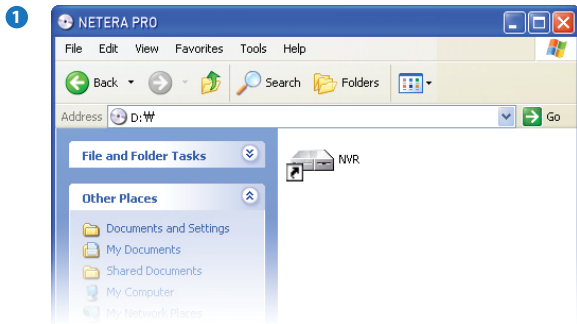
4. Common requirements

- **OS:** Microsoft™ Windows 2000™, Windows 2003™, Window xp™
- **VGA:** 32MB or above, Direct X 8.1 or above, 32 Bit, 1024 x 768 resolution support (ATI recommended)
- **HDD:** 100 GB or above
- **ODD:** CD-ROM or DVD-ROM
- **Network:** 10/100 Ethernet NIC

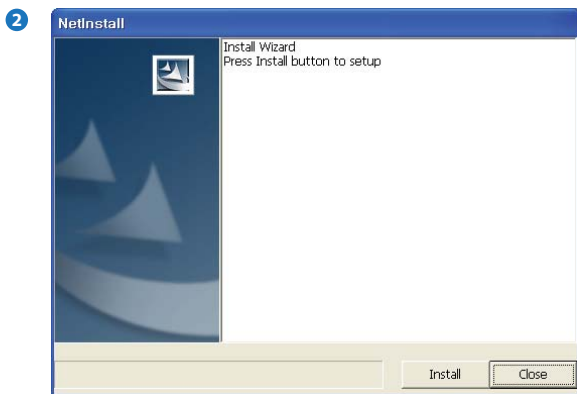
Contents

2	Introduction
3	Contents
4	Program Installation
5	Program Start
8	Main view
9	Main view_Function
12	Playback
14	Record
17	Event
18	Shell Screen

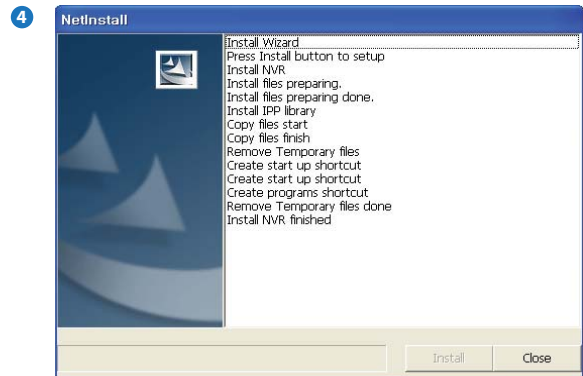
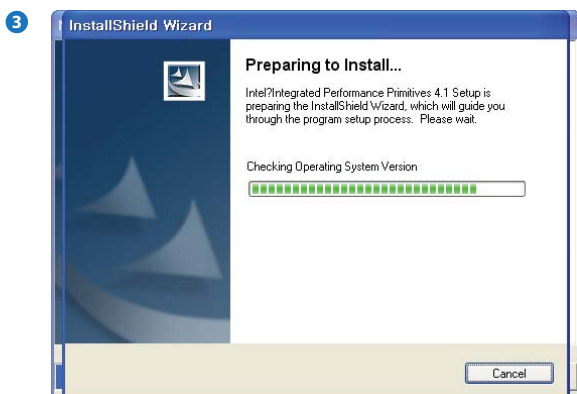
Program Installation



Double click 'NETINSTALL.EXE' file in NETERA Pro program CD.



Click 'Install' button.



Click 'Close' button when all program installation is completed.



5 Reboot windows.

Program Start



❌ **Shut down the “IP_Installer” program before running the “NETERA PRO”.**

If you run the NVR program, you will see NVR screen left side. See the “Main view” chapter for detail.

Follow process below for display live video of sites

1. Releasing the Protection Mode
2. Site Registration
3. Connecting a Site

1. Releasing the Protection Mode



1 Click the [Lock] Button

To release the protection mode on the main view, click the Lock button.



2 Insert Password

The default password when the program is installed initially is “*admin*”.

3 Click [Ok] Button

Click [ok] to release the protection mode.

❌ Change Password

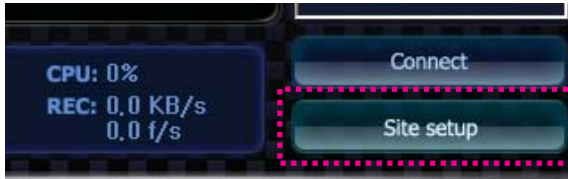
- 1) Insert current password.
- 2) Click the [Change password] button.
- 3) Insert the new password to use and repeat.



- 4) Click [Ok] to change the password.

Program Start

2. Site Registration



1 Click the [Site setup] Button

Click [Site setup] button to register IP camera and setup its environments.

If you click the [Site setup] button, you will see "Site setup" dialog shown left side. See the "Main view_Site setup" chapter for detail.

<Site setup dialog>

2 Insert value

2-1. General Registration

- 1) Select the "Product type(a)".
- 2) Insert "Site name(b)" in the input field.
- 3) Insert IP/ID/Password(g) of site registration.
- 4) Click [detail setup(h)] button to setup details. You will see the "Detail setup" dialog shown left side.
- 5) After inserting the web port in the dialog, click the [Auto Detection(i)] button, then you can load the other port information.
- 6) Close the dialog.
- 7) Register the site by clicking [Add(j)] button

<Detail setup dialog>

2-2. Registration for DDNS site

- 1) Select the "DDNS Use(c)".
- 2) Insert "DDNS ID(d)" in the input field.
- 3) Insert "DDNS NIC(e)".
- 4) Click [Get IP(f)] button.
- 5) Insert ID / Password(g) to access the IP.
- 6) Register the site by clicking [Add(j)] button.
- 7) DDNS setup on the web viewer must be setup.

2-3. Registration used IP searching

- 1) Click "Search IP camera" button to search the devices within the network.
- 2) Click this button after selecting multiple devices. You will see the "Inserting ID/PW" dialog shown left side.
- 3) Insert ID / Password and click the "OK" button.

<Inserting ID/PW dialog>

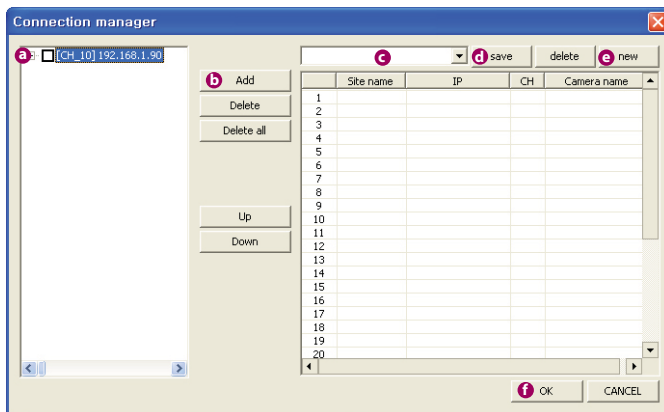
Program Start

3. Connecting a Site



1 Click the [Connect] Button

Select [Connect] button to connect to the site.

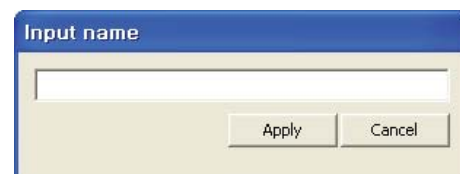


<Connection manager dialog>

If you click the [Site setup] button, you will see "Connection manager" dialog shown left side. See the "Main view_Connect" chapter for detail.

2 Insert value

1) Click [New(e)] button to input connection group name. You will see the "Input name" dialog shown below.



- 2) Insert new connection group name in the input and click the [Apply] button.
- 3) Select a group name in the "Group Combo Box(c)".
- 4) Click [Add(b)] to register after checking the site(a) or camera of the site which you want to register.
- 5) Click [Save(d)] button to save the group.
- 6) Click the [OK(f)] to close the "Connection manager" dialog.

4. Connect a Site



Method 1:

- 1) Select the connection group registered in the "Group Combo Box(c)" on the "Connection manager" dialog.
- 2) Click [OK(f)] button.

Method 2:

- 1) To connect a site or a group, you may drag the site name to the live screen on the "Main view".

Main view



1 Live Video Screen

2 Lock/Unlock Button

Program access control button

3 Audio Chat Button

Button for Audio calls to registered site.

4 Multi-View Button

Multi-View Button when dual monitors are used

5 Full Screen Button

Change to Full screen mode

6 Screen Rotation Button

Switch to the rotation monitoring mode

7 Next Screen Button

Move to the next page in the current screen division mode

8 Screen Division Button

Selection button for various screen divisions

9 Mode Switch Button

Switch to PTZ Control screen and back to registered site list.

10 Site List Field

11 Site Connection Button

For selected site, click this button to connect

12 Site Registration Button

13 System status

14 Main View Tab Button

Switch to the screen for live video

15 Playback Tab Button

Switch to the screen for searching the recorded video.

16 Record Tab Button

Switch to the screen for managing the real-time recording task

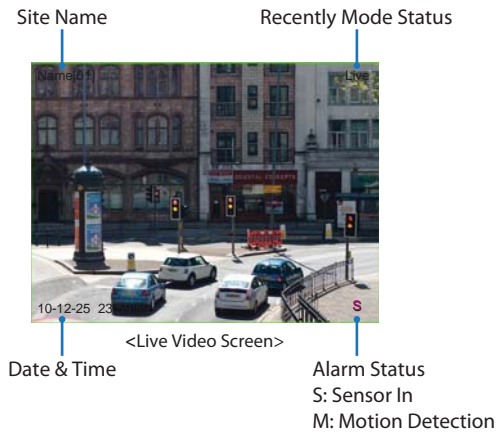
17 Event Tab Button

Switch to the screen for event monitoring and management

18 Exit the program

Main view_Function

1 Live Video Screen

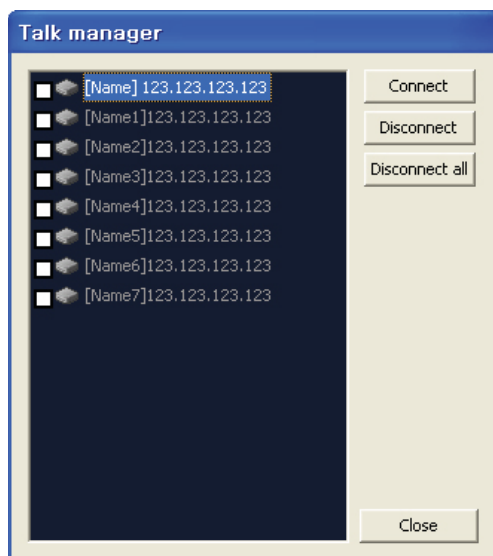


2 Lock/Unlock Button

See the "Program Start > 1. Releasing the Protection Mode" chapter for detail.

3 Audio Chat Button

Button for Audio calls to registered site.

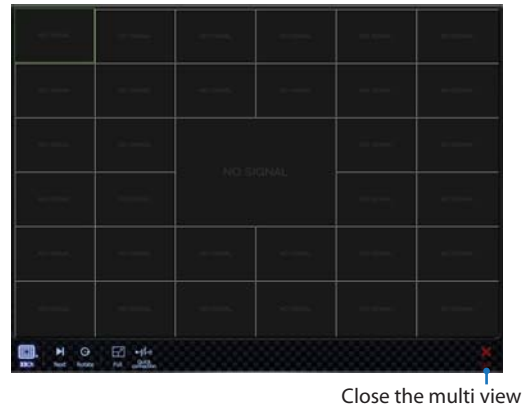


How to do the "Audio Chats"

- 1) Check the site which you desire to do the audio chats.
- 2) Try the connection by clicking [Connect] button.
- 3) The icon will show that if it is connected.
- 4) Connect the microphone to talk.
- 5) When disconnecting, check the site, then click [Disconnect] button or [Disconnect all] button.

4 Multi-View Button

- Multi-View Button when dual monitors are used.
- Button function of Multi-View screen same with Main view button functionl.

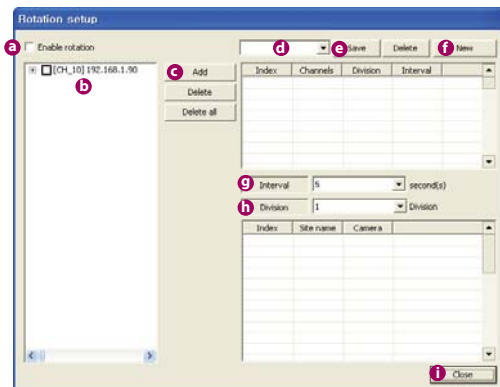


5 Full Screen Button

Click it to extend the live video to full screen. To return to normal mode, press right key of mouse.

6 Screen Rotation Button

This makes the sequential monitoring available with the combination of the registered site.



Rotation registration

- 1) Click the [New(f)] button to register the rotation monitoring.
- 2) Check [Enable rotation(a)]. When disabled, it will switch to the general mode.
- 3) Check the site or cameras in the site(b) which you want to do rotation monitoring.
- 4) Select [Interval(g)] and [Division(h)].
- 5) Click the [Add(c)] button to register.
- 6) Repeat task 3)~5) to register the rotation monitoring.
- 7) Click the [Save(e)] button.
- 8) Click the [Close(i)] button to proceed with the rotation monitoring.

Main view_Function

7 Lock/Unlock Button

Move to the next page in the current screen division mode.

8 Screen Division Button

Select desired division of screen.

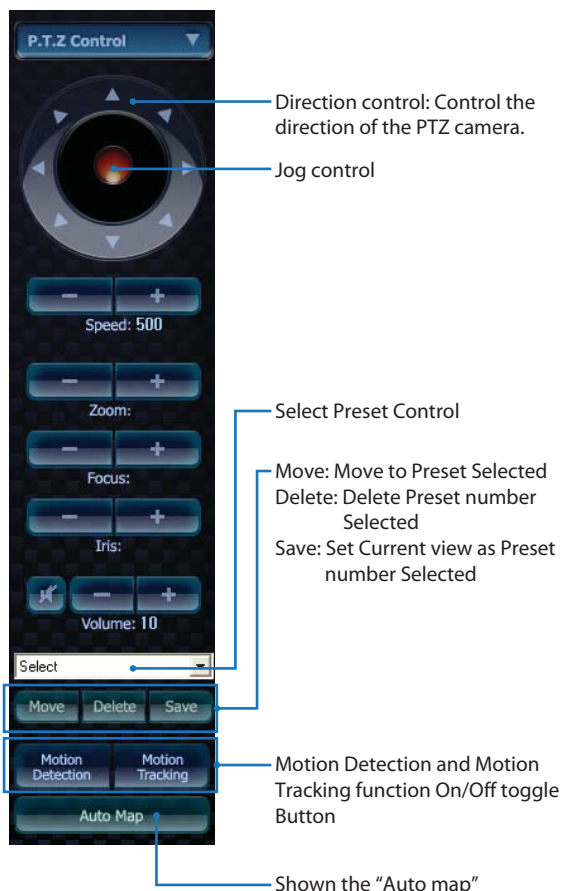


9 Mode Switch Button

Switch to PTZ Control screen and back to registered site

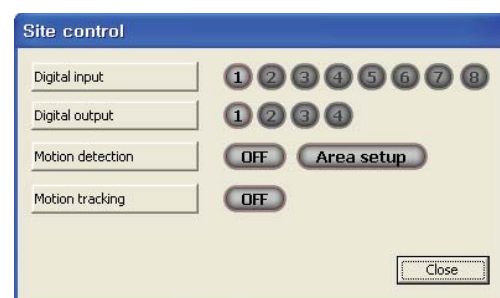
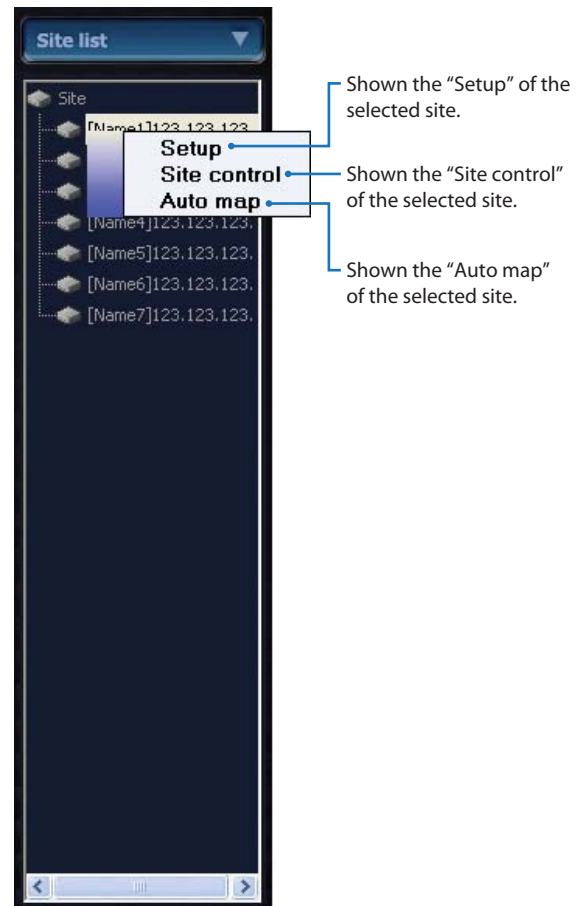


※ PTZ Control Function



10 Site List Field

Select the site from the site list, then click the right button of the mouse to perform the site control.



Site control

- **Digital input:** Show the status of the Digital in (Sensor).
- **Digital output:** Show the status of the Digital out(Relay). When button is clicked, the device will be On/Off
- **Motion detection:** Show the status of the motion detection mode, and when button is clicked, the mode will be On/Off.
- **Area setup button:** Setup the motion detection area.
- **Motion tracking:** Show the motion tracking mode. When button is clicked, mode will be On/Off. If the tracking mode is On, Motion detection mode is automatically Off.

Main view_Function



How to Motion area setup:

- 1) Show the current screen(a).
- 2) Show the area of the motion detection(b). It can be set by dragging the mouse or clear the current motion detection area(d).
- 3) Set the sensitivity of the motion detection(c).
- 4) Save the setting of the motion detection area and the sensitivity of the motion detection(e).

11 Site Connection Button

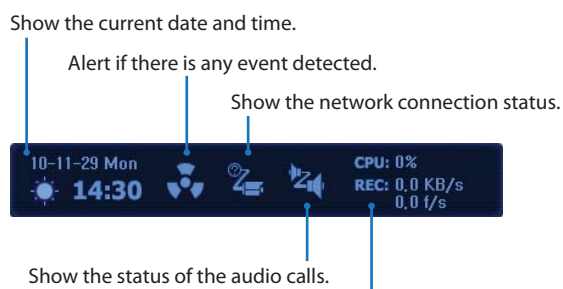
See the "Program Start > 3. Connecting a Site" chapter for detail.

12 Site Registration Button

See the "Program Start > 2. Site Registration" chapter for detail.

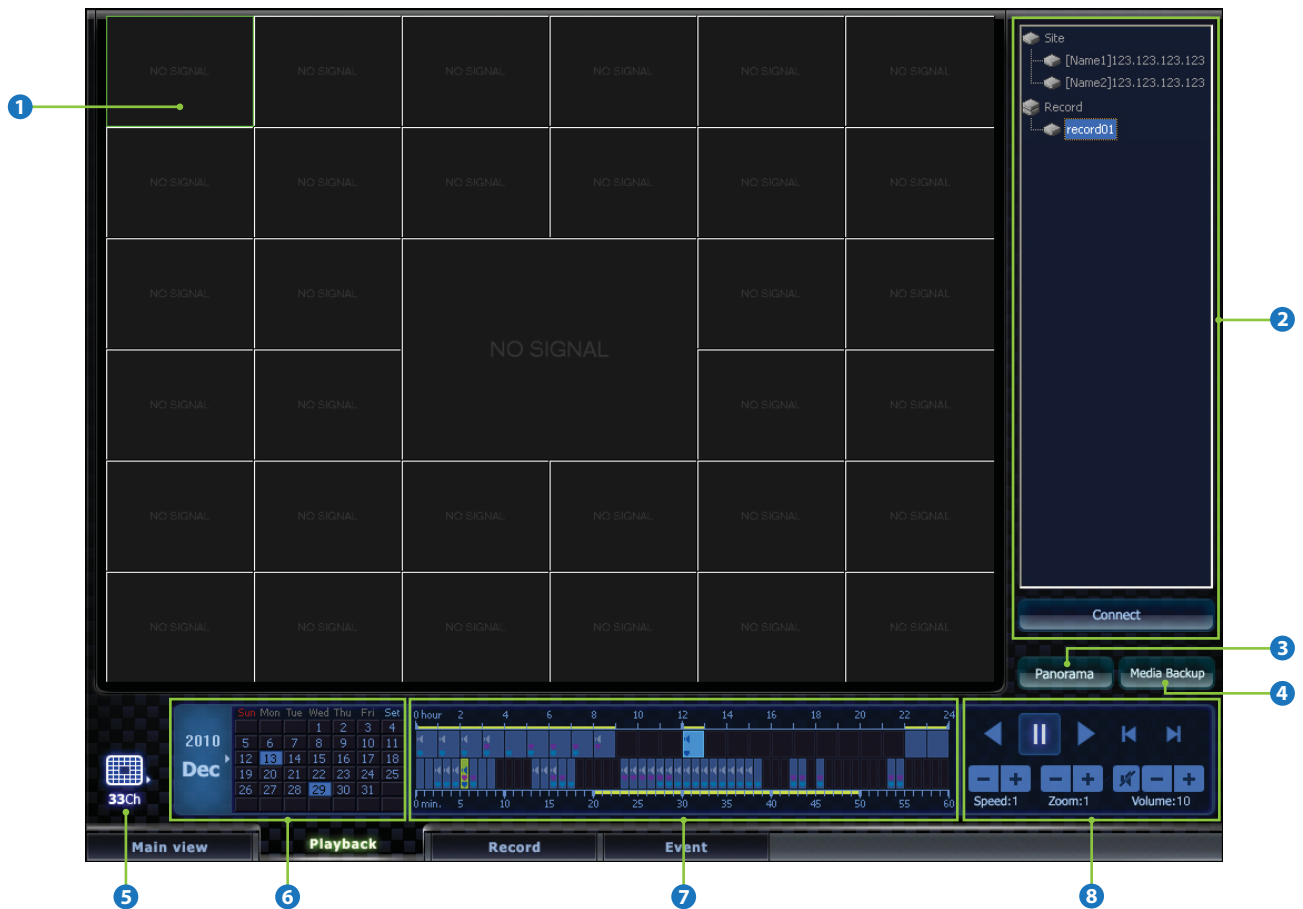
13 System status

It shows the simple system status.

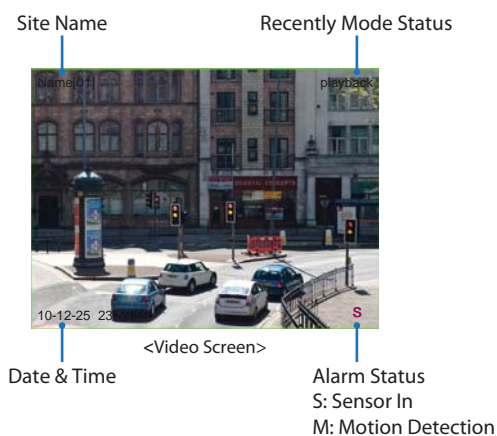


Show the usage of the CPU and the status of the recording task.

Playback



1 Video Screen



3 Panorama Searching Button

- Start Panorama Search by pressing this button.
- Current channel is playing back in the frame by frame manner.



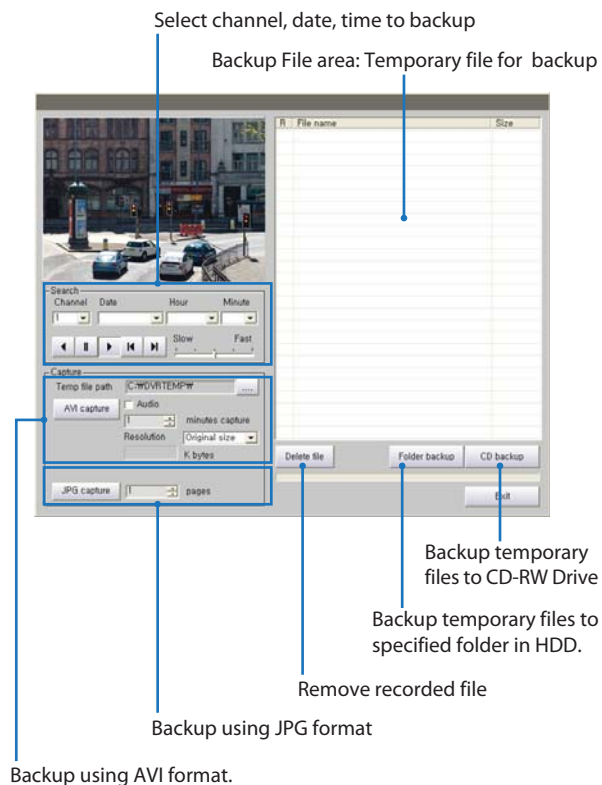
2 Searching

- 1) Select the site from the list.
- 2) Click the button to search and connect.
- 3) Select the date which you want to search from the time table(7).
- 4) Play the button to play the video(8).

Playback

4 Media Backup Button

Start backup by pressing this button.

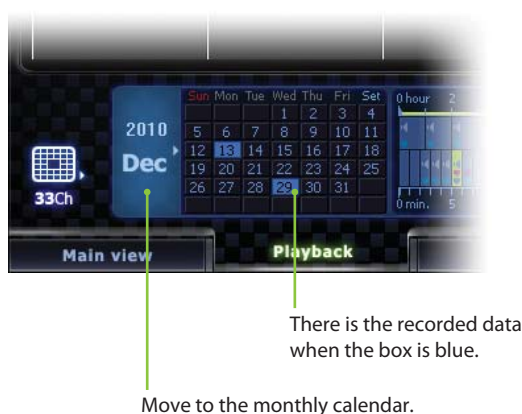


5 Screen Division Button

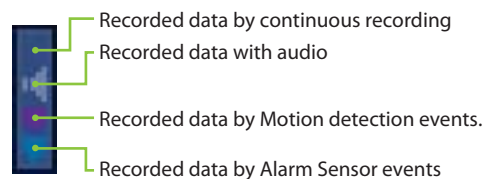
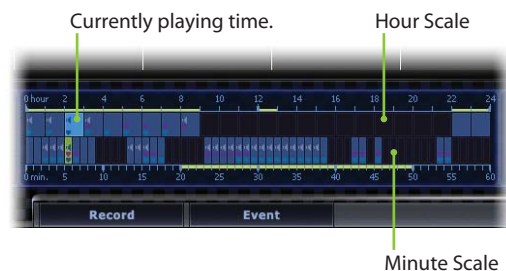
See the "Main view_Function" chapter.

6 Date Selection

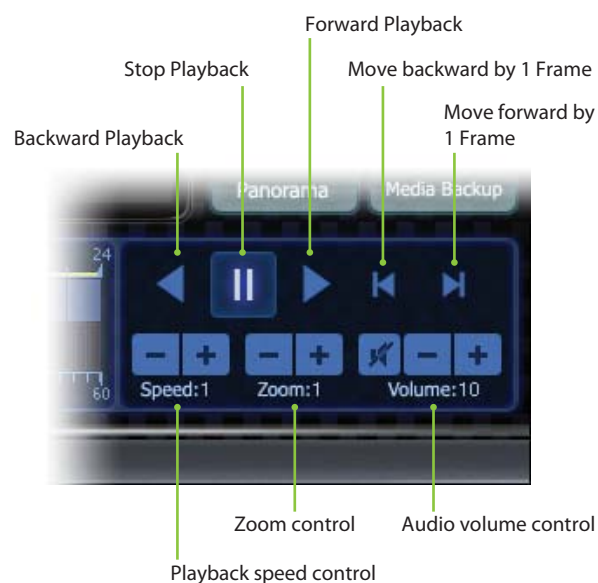
Select desired date.



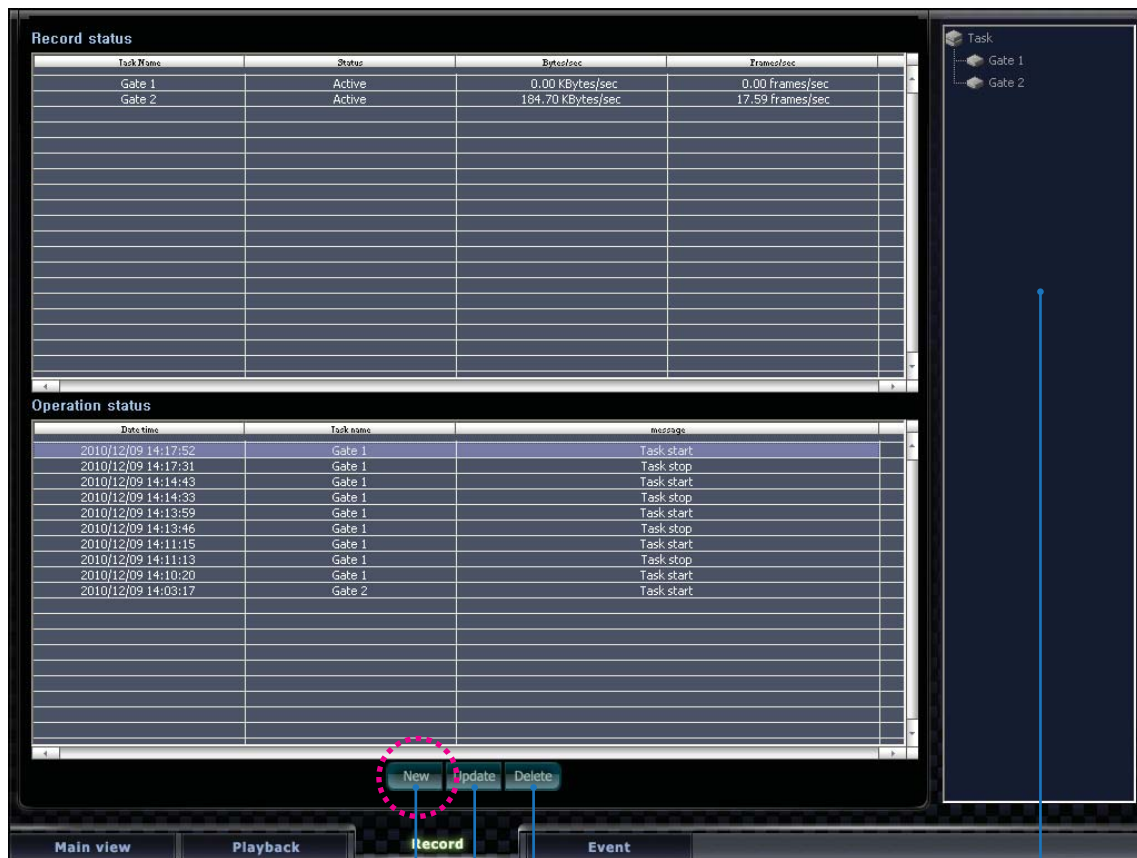
7 Time Table



8 Play Function Buttons



Record



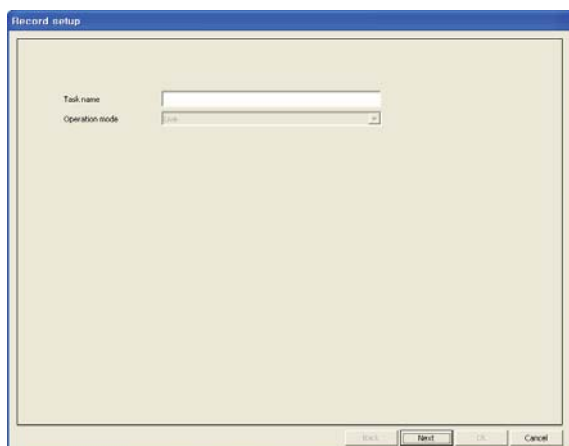
Register New Task

Update the Record

Delete the selected Task

Registered Task list

Task Registration



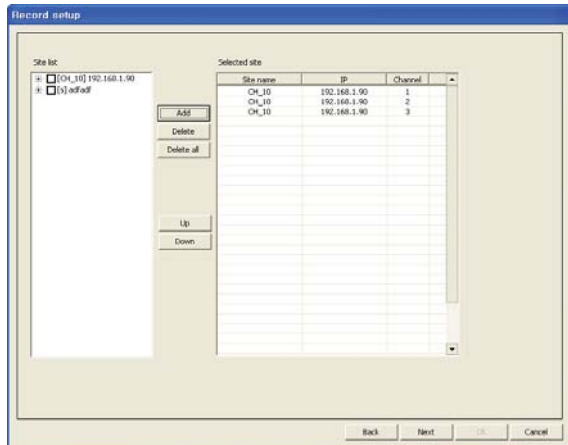
1 Click the [New] Button

If you click [New] button on the "Record" mode, "Record setup" dialog will come into view.

2 Insert "Task name"

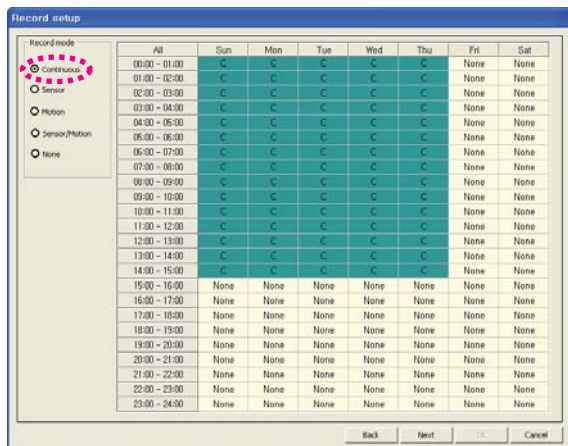
After typing your "Task name", click the [NEXT] button.

Record



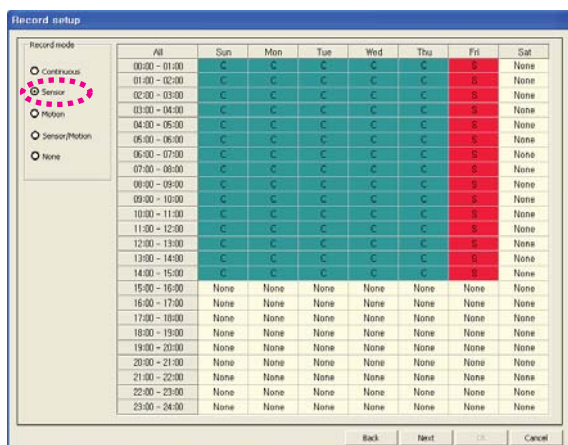
3 Add a site

After selecting the sites in the list, click the [Add] button to add this to selected site list. For next step, click [NEXT] button.



4 Schedule setting_Continuous Checking

- 1) You will see the schedule setting screen
- 2) For continuous recording, check "Continuous" in the Event.
- 3) By dragging mouse pointer, paint dark CYAN color to decide desired time and day for the continuous recording.



5 Schedule setting_Sensor Checking

- 1) For Alarm Sensor Event Recording, check "Sensor" in the Events.
- 2) By dragging mouse pointer, paint RED color on the table to decide desired time and day for the alarm sensor event recording.

Record

Record setup

Record mode:

- ☐ Continuous
- ☐ Sensor
- ☒ Motion
- ☐ Sensor/Motion
- ☐ None

	All	Sun	Mon	Tue	Wed	Thu	Fri	Sat
00:00 - 01:00	C	C	C	C	C	C	S	None
01:00 - 02:00	C	C	C	C	C	C	S	None
02:00 - 03:00	C	C	C	C	C	C	S	None
03:00 - 04:00	C	C	C	C	C	C	S	None
04:00 - 05:00	C	C	C	C	C	C	S	None
05:00 - 06:00	C	C	C	C	C	C	S	None
06:00 - 07:00	C	C	C	C	C	C	S	None
07:00 - 08:00	C	C	C	C	C	C	S	None
08:00 - 09:00	C	C	C	C	C	C	S	None
09:00 - 10:00	C	C	C	C	C	C	S	None
10:00 - 11:00	C	C	C	C	C	C	S	None
11:00 - 12:00	C	C	C	C	C	C	S	None
12:00 - 13:00	C	C	C	C	C	C	S	None
13:00 - 14:00	C	C	C	C	C	C	S	None
14:00 - 15:00	C	C	C	C	C	C	S	None
15:00 - 16:00	M	M	M	M	M	M	None	None
16:00 - 17:00	M	M	M	M	M	M	None	None
17:00 - 18:00	M	M	M	M	M	M	None	None
18:00 - 19:00	M	M	M	M	M	M	None	None
19:00 - 20:00	None	None	None	None	None	None	None	None
20:00 - 21:00	None	None	None	None	None	None	None	None
21:00 - 22:00	None	None	None	None	None	None	None	None
22:00 - 23:00	None	None	None	None	None	None	None	None
23:00 - 24:00	None	None	None	None	None	None	None	None

Back Next OK Cancel

6 Add a site_Motion Checking

- 1) For Motion Detection recording, check "Motion" in the Event.
- 2) By dragging mouse pointer, paint YELLOW color on the table to decide desired time and day for the Motion Detection Event recording.

Record setup

Record mode:

- ☐ Continuous
- ☐ Sensor
- ☒ Motion
- ☐ Sensor/Motion
- ☐ None

	All	Sun	Mon	Tue	Wed	Thu	Fri	Sat
00:00 - 01:00	C	C	C	C	C	C	S	None
01:00 - 02:00	C	C	C	C	C	C	S	None
02:00 - 03:00	C	C	C	C	C	C	S	None
03:00 - 04:00	C	C	C	C	C	C	S	None
04:00 - 05:00	C	C	C	C	C	C	S	None
05:00 - 06:00	C	C	C	C	C	C	S	None
06:00 - 07:00	C	C	C	C	C	C	S	None
07:00 - 08:00	C	C	C	C	C	C	S	None
08:00 - 09:00	C	C	C	C	C	C	S	None
09:00 - 10:00	C	C	C	C	C	C	S	None
10:00 - 11:00	C	C	C	C	C	C	S	None
11:00 - 12:00	C	C	C	C	C	C	S	None
12:00 - 13:00	C	C	C	C	C	C	S	None
13:00 - 14:00	C	C	C	C	C	C	S	None
14:00 - 15:00	C	C	C	C	C	C	S	None
15:00 - 16:00	M	M	M	M	M	M	None	None
16:00 - 17:00	M	M	M	M	M	M	None	None
17:00 - 18:00	M	M	M	M	M	M	None	None
18:00 - 19:00	M	M	M	M	M	M	None	None
19:00 - 20:00	S.M	S.M	S.M	S.M	S.M	S.M	None	None
20:00 - 21:00	S.M	S.M	S.M	S.M	S.M	S.M	None	None
21:00 - 22:00	S.M	S.M	S.M	S.M	S.M	S.M	None	None
22:00 - 23:00	S.M	S.M	S.M	S.M	S.M	S.M	None	None
23:00 - 24:00	S.M	S.M	S.M	S.M	S.M	S.M	None	None

Back Next OK Cancel

7 Schedule setting_Sensor/Motion Checking

- 1) If you select "Sensor or Motion", video will be recorded when there are sensor activation or Motion detected.
- 2) By dragging mouse pointer, paint ORANGE color on the table to decide desired time band and days for the Sensor or Motion Event recording.

Record setup

☐ Auto delete data [30] day(s)

Allocated space

VDB

Start time End time

Allocatable space

Disk	Total Space (GB)	Used Space (GB)	Available Space (GB)
C:	146.481 (GB)	27.908 (GB)	118.573 (GB)
E:	317.276 (GB)	113.004 (GB)	206.285 (GB)

Selected drive: E:

Total space: 317.276 (GB)

Used space: 113.004 (GB)

Available space: 206.285 (GB)

Allocated VDB: 5

Creatable VDB: 3105

VDB count: 3105

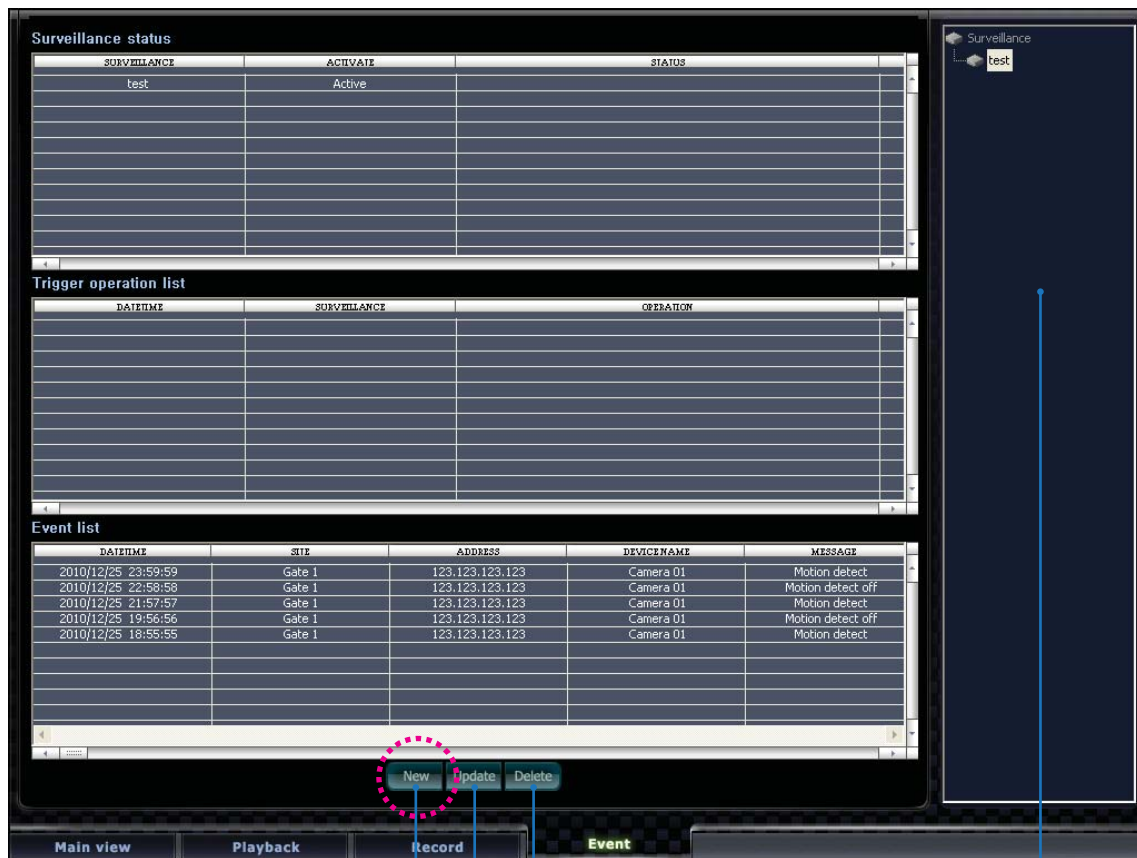
Create VDB

Back Next OK Cancel

8 Select Disk

- 1) Select disk to record.
- 2) By considering Creatable VDB Count, decide the VDB count to be created. Then, click [OK] button to finish.

Event



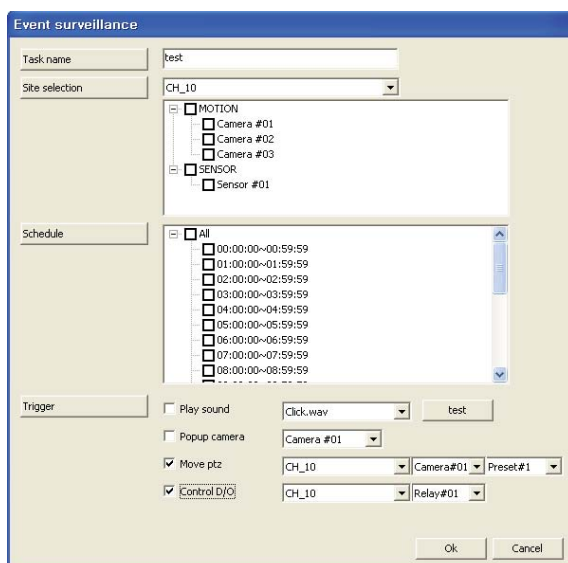
Register New Task

Delete the selected Task

Update the Task

Registered even monitoring task list

Task Registration



- 1) If you click [New] button on the "Event" mode, "Event surveillance" dialog will come into view.
- 2) Insert the task name in "Task name" input field.
- 3) Select the site to monitor in "Site selection".
- 4) Check the event to monitor on the selected site.
- 5) Check the schedule in "Schedule" for monitoring.
- 6) Check the action when the event is triggered in "Triger".
 - "Play sound" plays the sound when the event is triggered.
 - "Popup camera" pop-ups the camera selected when the event is triggered.
 - "Move ptz" moves the selected camera to the preset position when the event is triggered.
 - "Control D/O" triggers the Digital Out.
- 7) Click the [Ok] button.

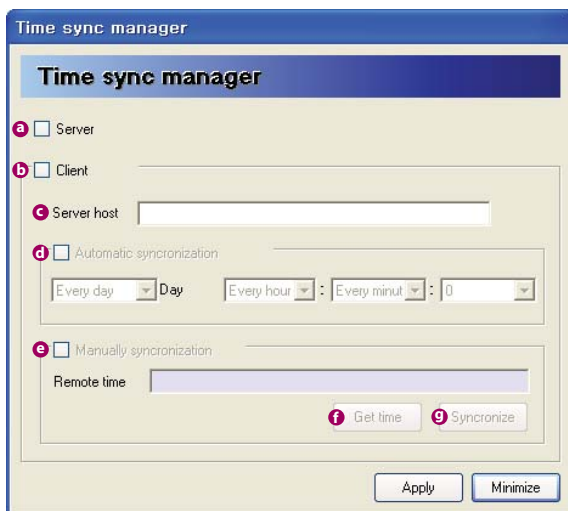
Shell Screen



Shell mode is designed to make your complicated MS Windows environment simple & professional environment. And also it prevent NVR program from being interfered by other unwanted programs.

If you click the [Menu] button, following menu will be shown.

Start Menu Function



Time sync manager

Server(a): Check this when you want to make this computer work as Time server.

Client(b): Check this when you want to make this computer work as Time Client.

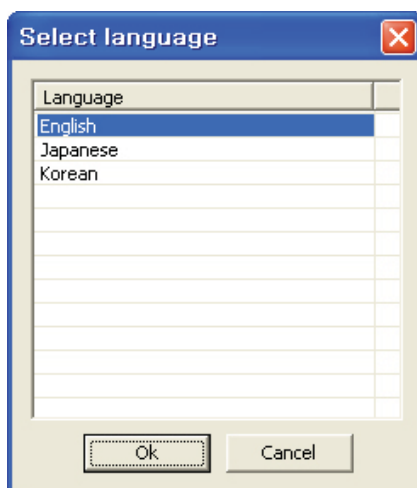
Server host(c): Type the domain name or IP Address of Time server.

Automatic synchronization(d): Set the period of Auto time updating.

Manually synchronization(e): Set Time sync with Time Server manually.

Get time(f): Get time info. from the Time Server .

Synchronize(g): Apply time synchronization using the time acquired by "Get time".



Select language

- If [Select language] is chosen in the "Start" menu, following dialog will be shown.

- After selecting the language preferred, click the [OK] to exit.