



# EnTMS Manual

CMS Program

# User's Manual

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# Introduction

1 -1 Description

1 -2 System Requirement

# 1. Introduction

## 1.1 Description

1. Thank you for make use of EnTMS. Please read this document in detail, before installation this software.
2. You agree with the right of using conditions of a contract as you copy an install EnTMS. EnTMS is protected by copyright law, international copyright agreement and other intellectual property right law and agreement. Entelsystem Corp. has the trademark of EnTMS.
3. This version cannot make use of distribution and sales as commercial trade service, only make use this as non-commercial service. If you want to make use of it as commercially, please contact with Entelsystem Corp.
4. This program developed based on Microsoft Corporation's DirectX.
5. Attention.
  - Do not delete or modify installed files.
  - Install Windows Media player for make use of Window Media Format.
  - Visit our website when you have inquire of this software  
<http://www.enview.net>

## 1.2 System Requirement

OS : Windows 2000 or XP or Higher  
CPU : Pentium4 3.0MHz Higher  
RAM : 512MB Higher  
Video memory : 128MB Higher  
DirectX 8.0 Higher  
HDD : Larger than 10GB of Free allocation



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# Monitoring Mode


- 2-1 EnTMS
- 2-2 Site(DVR) Add-on
- 2-3 GROUP Add-on
- 2-4 Monitoring

## 2. Monitoring Mode

### Chapter

# 2

### 2.1 EnTMS

 Click this icon to make use of application program. Then you can see that screen after few seconds.

(It must be have configuration at first time. Cf) 5.3)



[Monitoring Screen(Initial Screen)]



For use all functions, you have to log-in. Add-on Administrator for the first time. At the time, It must be same ID, password with DVR's ID and password.

The ID authorized for use functions by had resisted ID, password

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**Reference** Factory Initial : ID : admin, Pass : admin.  
Please pay attention capital or small letter when you input ID and password

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## 2. Monitoring Mode

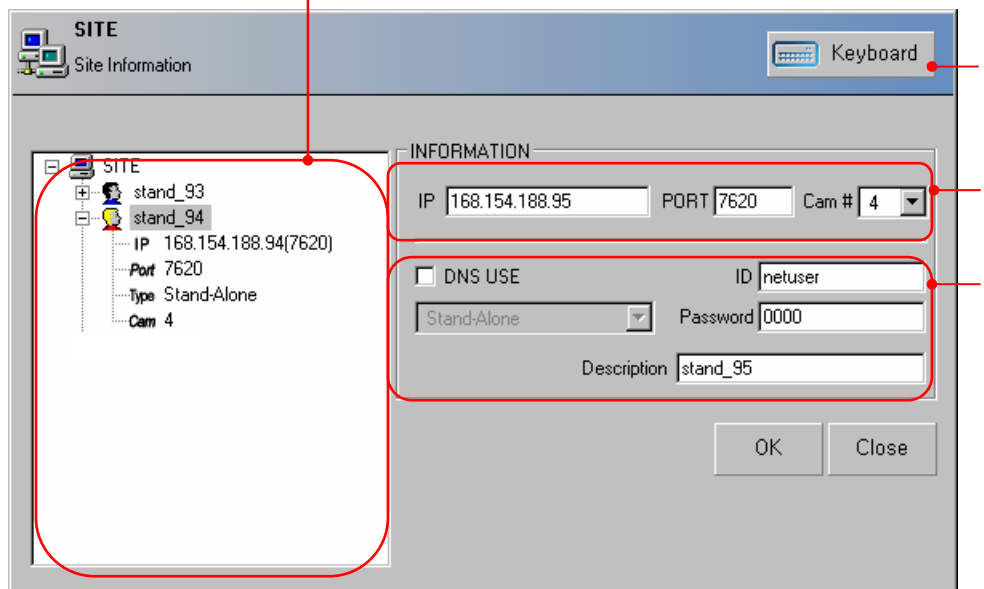
### Chapter

# 2

### 2.2 Site(DVR) Add-on



Click Site address icon on the right-button, then select “site add-on”. Then you can see new window as below.



Display added sites.

Display screen Key-board.

Select DVR IP address and Port, Channel's number

Select DVR type and DNS use or not.

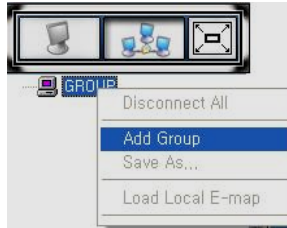
If you make use of DNS,  
input the ID and password which resisted in EnDNS.

## 2. Monitoring Mode

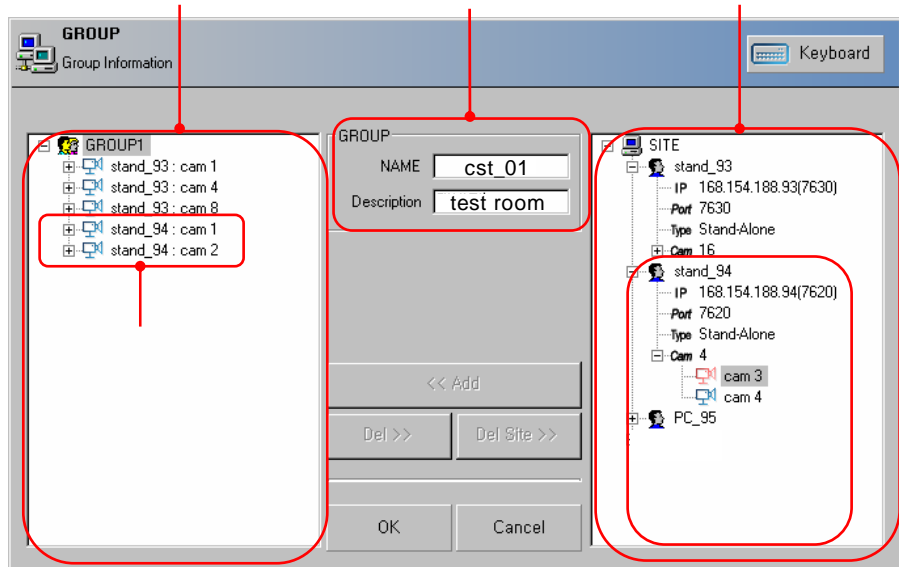
### Chapter

# 2

### 2.3 Group Add-on



Click Site address icon on the right-button, then select “site add-on”. Then you can see new window as below.



Display each site and group as you add-on.

Displayed address as you already added site.  
It must be register with as a group added on site.  
(Cf) Site add-on)

Displayed No. 1, No. 2 camera in registered group ‘stand\_94’

Displayed No. 1, No. 2 camera in registered group ‘stand\_94’ and  
out of site address.

Select group name and documentation.

There are 64 cameras included for one group.

Add Camera : Drag the camera what you want to register from site  
address (right side) to group address (left side). It's same  
function as “Add” button.

Remove Camera : Drag the camera what you want to remove from site  
address (right side) to group address (left side). It's  
same function as “Del” button.

For remove site, click “Del Site” button.

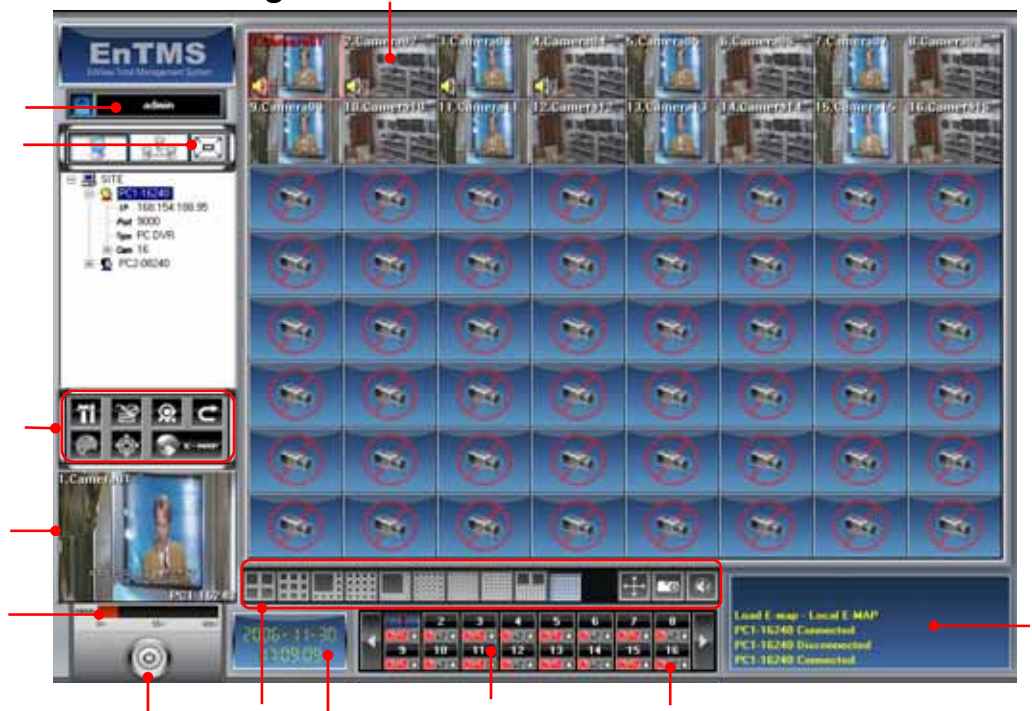


## 2. Monitoring Mode

### Chapter

# 2

### 2.4 Monitoring



Screen	Display monitoring video
HDD Storage	Display HDD storage status
Channel	Display full-screen video which video selected
Connect, Motion, Sensor state	Display status of connection, Motion, Sensor
Date/Time	Display date and time
Log-in	DVR Log-on button
Main Function Button	EnTMS Configuration, Basket save, Search, Screen set from the first, Color control, PTZ camera control, e-map Mode
Focus Screen	Display selected screen with channel's OSD and site information
Monitoring	Screen divide and full-screen, snap-shot, mute
Message window	Display messages
Address Extension	Address extension button
End	Quite of EnTMS


## 2. Monitoring Mode

### Chapter

# 2

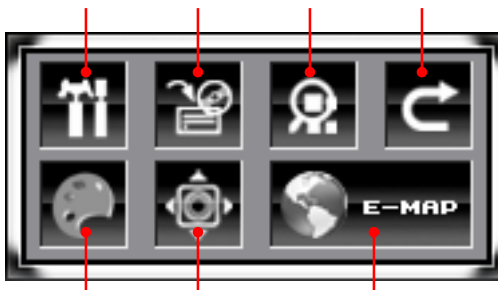
### 2.4.1 e-Map mode



Pre-view screen		If you select button  , you can see small-size screen. If you click that screen, you can see big-one on Focus-Screen
Channel Select		Channel selection button. If you select a channel, then you can see that video on the Focus screen.
Extension Button		Display screen as you sleect
Status LED		Display status of connection, motion, sensor
e-map file open		Display BMP file format picture as you selected.
e-map file display		Display e-map file. If you click one, you can see big-screen. 16 file is maximum registered.

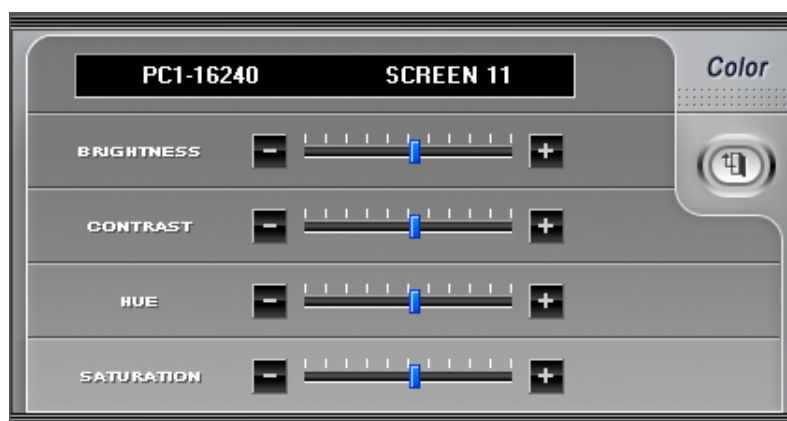
## 2. Monitoring Mode

### 2.4.2 Menu selection button



Configuration	Switch over system configuration screen
Recording	Select Forced, Motion, Sensor recording. Cf)2.4.9
Search	Switch over search screen
Screen re-set	Re-set all mixed screen
Color control	Control color. Cf) 2.4.3
PTZ control	Control PTZ camera Cf)2.4.4
return to E-map	Switch over E-map mode

### 2.4.3 Color Control



Display site name on the top-left and selected screen on the top-right. Click a screen on monitoring mode, when you control another camera.


## 2. Monitoring mode

Chapter

2

### 2.4.4 PAN/TILT/ZOOM/FOCUS control



<b>PAN/TILT</b>	Move camera's angle each direction as you click ▲ button
<b>ZOOM</b>	Control camera's ZOOM function
<b>FOCUS</b>	Control camera's FOCUS function
<b>Relay-Out</b>	Realy-out button
	Quit of PTZ menu

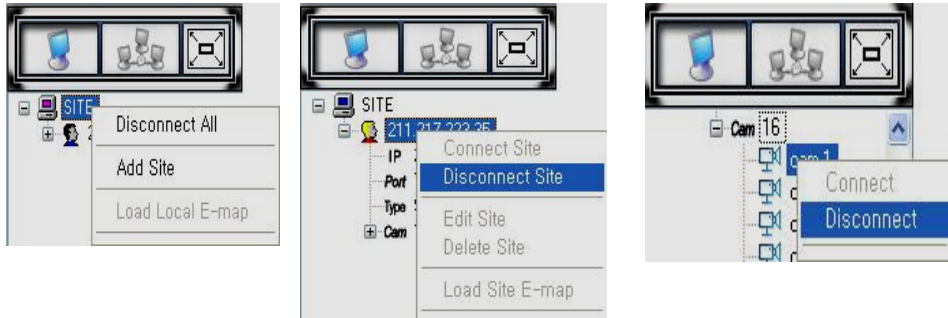
## 2. Monitoring mode

### Chapter

# 2

### 2.4.5 Pop-up menu

There are eight pop-up menus in EnTMS.



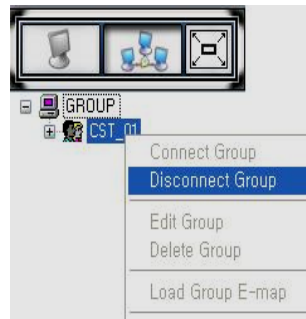
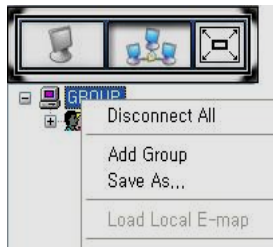
ROOT	Click site name, then connect with e-Map site. Please read Cf) 2.2. referred site add-on
SITE	Click left-button on site icon. It's turn-out activity mode site edit, site remove, site e-Map open when connected. Cf) Site edit. 2.2
CAMERA	Click left-button on camera icon

- Site Open : Connect with DVR via network
- Site Close : Disconnect with DVR via network
- Site Add/ Edit : Cf) 2.2
- Site e-Map Open : Connect e-Map's site, display sensor/ relay status
- Download e-Map : Download e-Map from the DVR's site

## 2. Monitoring Mode

### Chapter

# 2



<b>ROOT</b>	Click group name from group address tree, then opened common e-Map. Please read Cf) 2.2. referred site add-on
<b>GROUP</b>	Click group name form group address tree, then choose group edit, group delete, group e-map Open when not connected. Please read Cf) 2.2. referred site edit
<b>CAMERA</b>	Click site/ camera from group address tree

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- Site Open : Connect with DVR via network
- Site Close : Disconnect with DVR via network
- Site Add/ Edit : Cf) 2.3
- Site e-Map Open : Connect e-Map's site, display sensor/ relay status
- Save as .. : Save as another group name when network connected  
In that case, added site/ camera from the group orderly  
Cf) 2.3

There are three types of E-map

1. Common e-Map : 1:1 each match connected for 64ch not related to site and group.
2. Site e-Map : E-map for DVR 4/9/16ch related to added site.  
When connected with site, displayed screen from the camera, also sensor and relay.
3. Group e-Map : E-map for 64ch related to added group.  
When connected with group, 1:1 each matched site and camera.

Without common e-Map, it could be connect when network is not connected.

## 2. Monitoring Mode

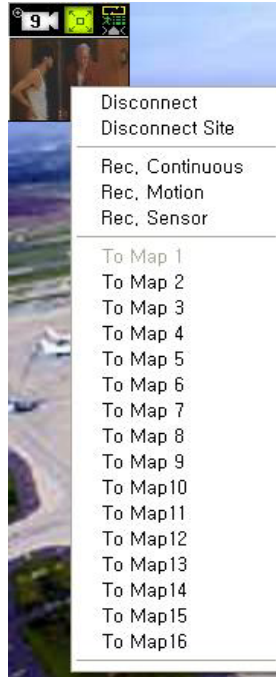
### Chapter

# 2



Display this menu when click monitoring screen

<b>Continuous Motion Sensor</b>	Record channels video. Checked sign when recording channel now
<b>Remote Search Quick Search</b>	Remote Search Search each channel from that site via network. (for PC DVR ) Quick Search Search each channel from recorded data Cf) 2.4.6
<b>Pan-Tilt/ Relay Color</b>	Cf) 2.4.4 Cf) 2.4.3
<b>Remote Setup</b>	Cf) Chapter 6



Display this menu when you click pre-view screen.

<b>Continuous Motion Sensor</b>	Record channels video. Checked sign when recording channel now
<b>MAPx</b>	Move to specific point what want
<b>Pan-Tilt/ Relay Color</b>	Cf) 2.4.4 Cf) 2.4.3



## 2. Monitoring Mode

### 2.4.6 Remote/Quick Search

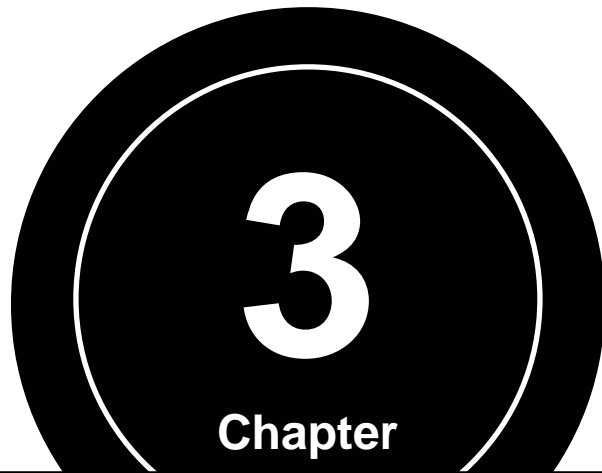


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For search all channels, click the screen then switch over extended mode when Remote/ quick search.

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# Search Mode

3-1 Search

3-2 Play Control Button

3-3 Search speed control Slide

3-4 Volume control Slide

3-5 Division mode, Panorama Search

3-6 Bookmark

## 3. Search Mode

### 3.1 Search

#### 3.1.1 Switch over search mode



Click  button on the EnTMS initial screen (monitoring screen)

Then displayed search mode screen if the ID has search authorized.

It is still connected with network when search-mode screen.

## 3. Search Mode

### Chapter

# 3

### 3.1.2 Default search screen



Select date for search

Division screen, snap-shot, panorama search

Display network status

Backup, EnDB Open, History and Event Search, Bookmark

Play button

Select channel : It also make use when click the channel's screen

Search speed control slide

Select time(hour) for search

Select time(minute) for search

Volume control slide

Display time at searching

Re- connect and Close -connection

(Search at local search -mode when not connected)

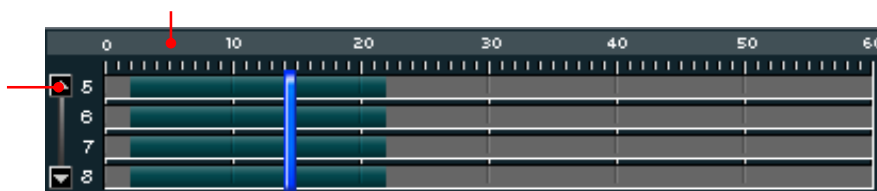
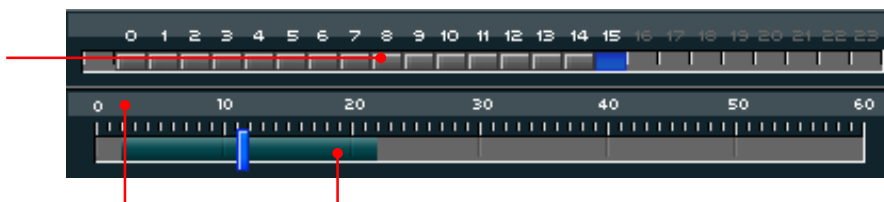
Close Search - mode

## 3. Search Mode

### 3.1.3 Select date/ time for search



Month	Choose the month, use , <a href="#">button</a>
Day	Select date. Red color means that day has recorded data
Time(h)	Select hour
Time(m)	Select minute



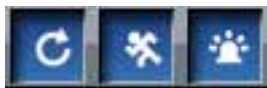
Double click , then displayed recorded data on the below window

Select another camera on

Double click , then return to previous status

## 3. Search Mode

### 3.1.4 Select search data by record mode



Search only continuous recorded data



Search only motion recorded data



Search only sensor recorded data

Cf) Choose more then two items, search all recorded data what chosen










#### Reference

Display recorded data type. Continuous / Motion / Sensor

## 3. Search Mode

### 3.2 Play control button



-  Move to first position of recorded data
-  Playback one by one frame to reverse-direction
-  Playback continuously to reverse-direction
-  Stop playback
-  Playback continuously to forward-direction
-  Playback one by one frame to forward-direction
-  Move to end position of recorded data

### 3.3 Search speed control slide



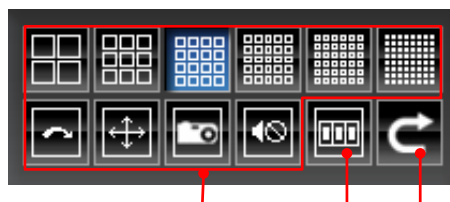
If you move to left-side the Search slide, search speed becomes slow down, move to right-side the Search slider, search speed becomes speed up.

### 3.4 Volume control slide



If you move to left-side the Volume slider, playback-volume becomes turn-down, move to right-side the Volume slider, playback-volume becomes turn-up.

### 3.5 Division mode, panorama search



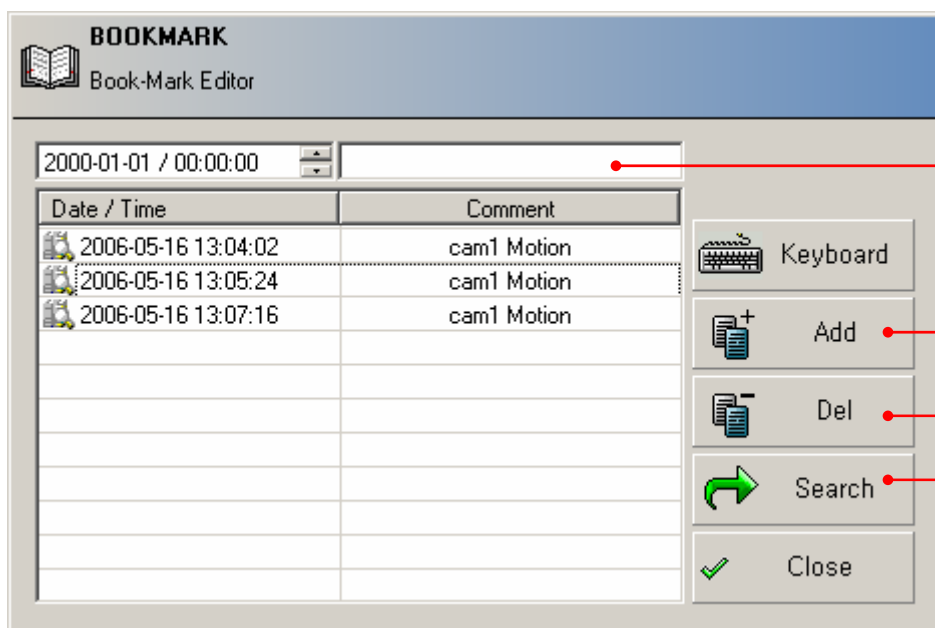
Division mode button and snap-shot button are same function as monitoring mode

It shows sequentially one channel panorama mode in 16 division mode

Reset mixed screen

## 3. Search Mode

### 3.6 Bookmark



<b>Comment</b>	Make a name for bookmark
<b>Add</b>	Add bookmark
<b>Del</b>	Delete bookmark
<b>Search</b>	Move to location of selected bookmark



# Backup Mode

4-1 Backup section

4-2 AVI / EnDB Backup(Local Backup)

4-3 Remote Backup

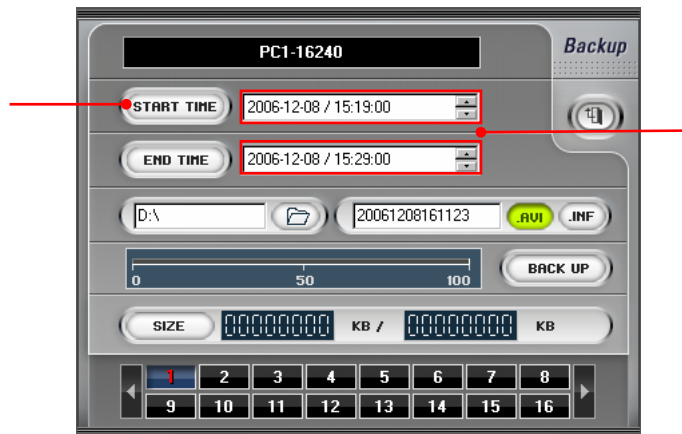


## 4. Backup Mode

### Chapter

# 4

### 4.1 Backup section



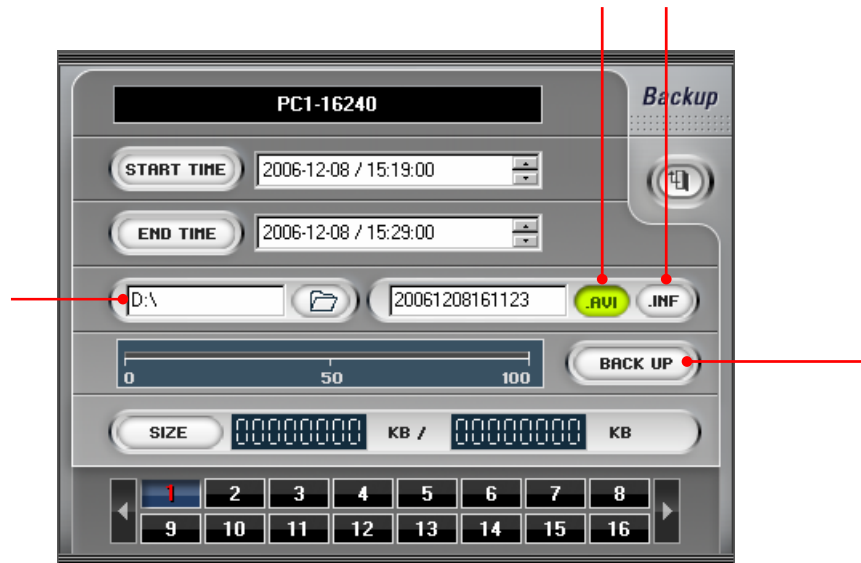
<b>Drag</b>	Drag on time which backup period. Then bar color changed in red.
<b>Backup button</b>	Open backup - window when this button click
<b>Backup list</b>	Displayed selected backup period
<b>Start time</b>	Start backup during playing video. End of time is cannot forward position on Start of time.

## 4. Backup Mode

### Chapter

# 4

### 4.2 AVI / EnDB Backup(Local Backup)



Save Folder	Select folder which to save backup video Select CD, if you want to save in CD Drive
AVI Backup	Select AVI
EnDB Backup	Select INF
Start Backup	Backup start
Reference	Only one channel could be backup on AVI backup. Codec type is MPEG4.

## 4. Backup Mode

### Chapter

# 4

### 4.3 Remote Backup

The screenshot shows the 'Remote Backup' window with the following elements and annotations:

- Date/Time:** Start Time (2006-04-27, 7:55) and End Time (2006-04-27, 8:08). A red line points to the Start Time date field.
- Type:** Radio buttons for 'EnDB' (selected) and 'AVI'. A numeric keypad (1-16) is next to 'EnDB'. A red line points to the 'EnDB' radio button.
- Location:** Drive dropdown menu showing 'C:\W' with '18.55G[6.18G Free]' available. A red line points to the Drive dropdown.
- Status:** 'Total Backup' section showing a progress bar and '120738Kbyte'. A red line points to the 'Total Backup' label.
- Buttons:** 'Calculate', 'Backup', 'Stop', 'Connect', and 'Close'. A red line points to the 'Calculate' button. A red box encloses the 'Backup', 'Stop', 'Connect', and 'Close' buttons, with a red line pointing to the box.

Select date and time

Select type(EnDB, AVI) and channel

Select drive

It will make backup folder after drive selected

Display backup progress and backup storage

Calculate DVR's backup data

Backup start, Stop, Connect with DVR, Close



# Configuration Mode

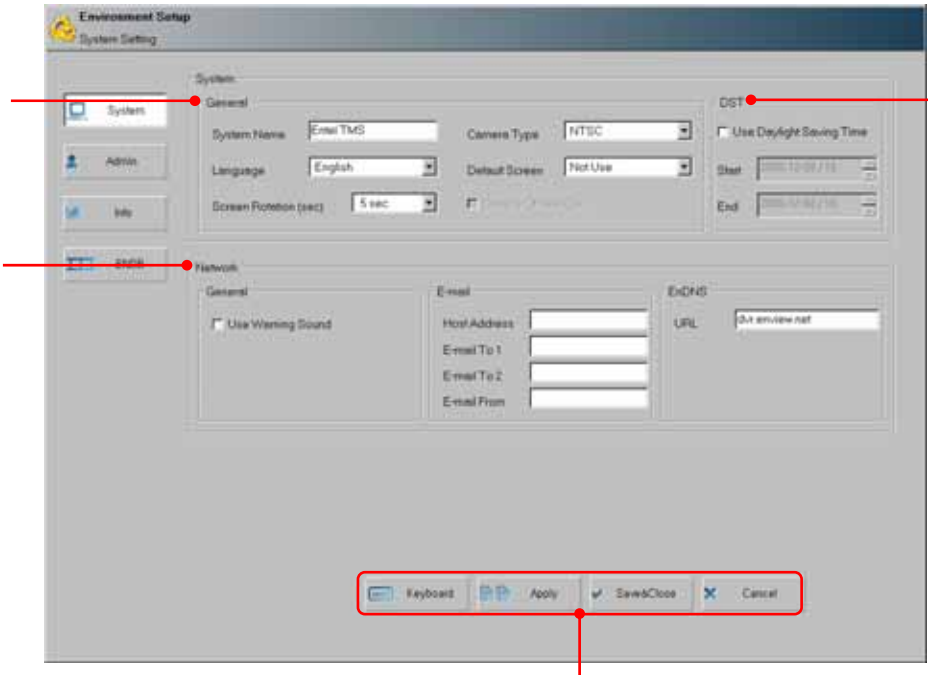
- 5-1 System setup
- 5-2 Administrator Setup
- 5-3 EnDB Setup

## 5. Configuration Mode

### Chapter

# 5

### 5.1 System setup



<b>System</b>	DVR name, Language, Camera Type(NTSC, PAL), Rotation Time, Screen initial
<b>DST</b>	Check Summer Time (By nation) .
<b>Network</b>	E-Mail: Setup email address for emergency
<b>Save and Quit</b>	Screen-keyboard, Apply, Save&quit, cancel button

## 5. Configuration Mode

### Chapter

# 5

### 5.2 Administrator Setup

The screenshot shows the 'Environment Setup' window with the 'User Setting' tab selected. The 'Information' section contains input fields for 'User Name', 'User ID', 'Password', and 'Password confirm', along with 'Add ID', 'Edit ID', and 'Delete ID' buttons. The 'Authority' section has radio buttons for 'Admin', 'Operator', 'User', and 'Guest', and a list of permissions with checkboxes. Below these is a table with columns: 'User Name', 'User ID', 'Level', 'Configure', 'Search', 'E-map', 'Pan/Tilt', and 'Backup'. The table has one row with values: 't', 't', 'admin', '0', '0', '0', '0', '0'. At the bottom are buttons for 'Keyboard', 'Apply', 'Save&Close', and 'Cancel'.

<b>Information</b>	Add / Modify/ Remove administrator
<b>Authority</b>	Check administrator's authorize Admin, Operator, User, Guest
<b>Admin. List</b>	Display registered administrator O means authorized
<b>Save and Quit</b>	Screen-keyboard, Apply, Save&Close, Cancel button

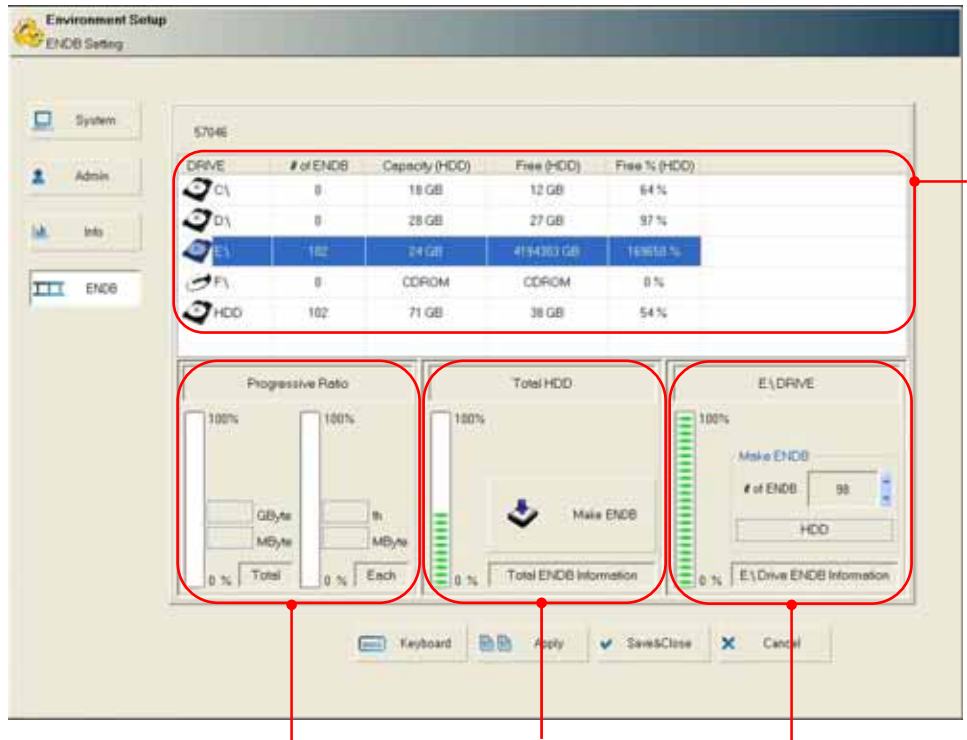
Caution : It must be log-on higher authorized account to modify a account which low authorized.

## 5. Configuration Mode

### Chapter

# 5

### 5.3 EnDB Setup



Display all EnDB System and make new EnDB.

Display progress status when a EnDB creating.

Display all EnDB's information and make new EnDB.

Display selected EnDB's drive, setup number of EnDB to make use spin button



# Remote system

6-1 Camera setup

6-2 Schedule Setup

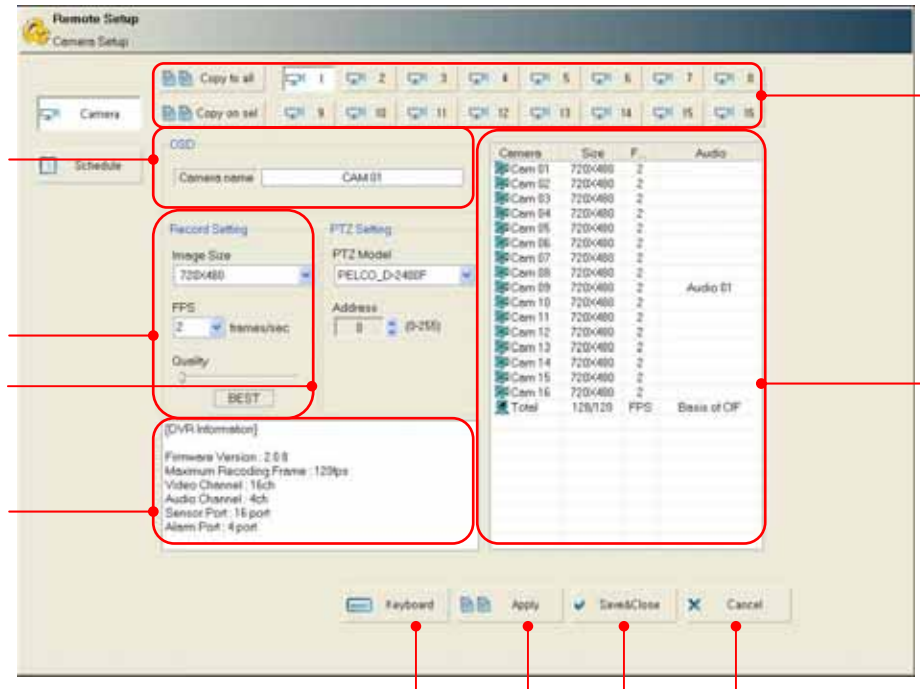


## 6. Remote System

### Chapter

# 6

### 6.1 Camera setup



Select channel

Setup OSD

Setup saved-image size, frame and quality

Setup PTZ camera model and Address

Display status of DVR

Display recording status of DVR

Activity on screen-keyboard

Apply to selected setup information

Save and Quit

Cancel and Quit

## 6. Remote System

### 6.1.1 Setup Channel



Apply selected value to all channel or multi-select

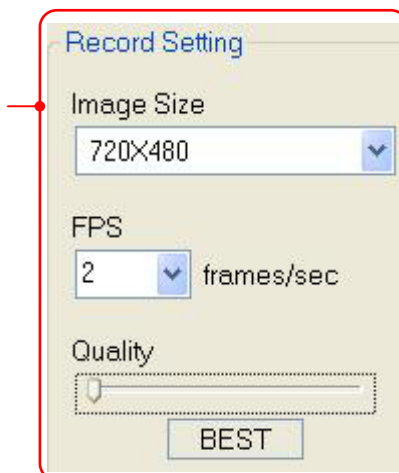
It could be possible to use Ctrl-key when multi-selection

### 6.1.2 OSD setup



Change camera name. And automatically display

### 6.1.3 Video compression setup



Camera	Size	FPS	Audio
Cam 01	720X480	2	
Cam 02	720X480	2	
Cam 03	720X480	2	
Cam 04	720X480	2	
Cam 05	720X480	2	
Cam 06	720X480	2	
Cam 07	720X480	2	
Cam 08	720X480	2	
Cam 09	720X480	2	Audio 01
Cam 10	720X480	2	
Cam 11	720X480	2	
Cam 12	720X480	2	
Cam 13	720X480	2	
Cam 14	720X480	2	
Cam 15	720X480	2	
Cam 16	720X480	2	
Total	128/120	FPS	Basis of CIF

Select compression image-size, FPS, quality

Display chosen value of each channel.

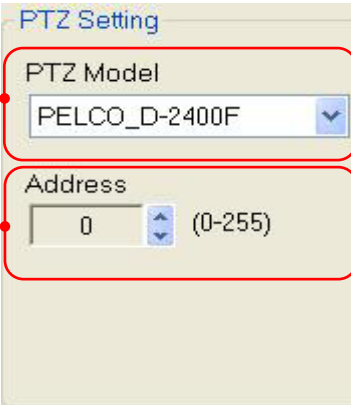
End of column (Total) display maximum of performance.

## 6. Remote System

### Chapter

# 6

### 6.1.4 PTZ Setup



The image shows a 'PTZ Setting' dialog box. It contains two fields: 'PTZ Model' with a dropdown menu showing 'PELCO\_D-2400F', and 'Address' with a numeric input field showing '0' and a range '(0-255)' to its right. Red arrows point to the dropdown arrow and the numeric input field.

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Select PTZ model

---

Select PTZ Address(0~255)

---

### 6.1.5 DVR Information

#### [DVR Information]

Firmware Version : 2.0.8  
Maximum Recoding Frame : 120fps  
Video Channel : 4ch  
Audio Channel : 4ch  
Sensor Port : 4 port  
Alarm Port : 4 port

---

Display firmware version, number of maximum recording frame, video/ audio channel, number of sensor/ alarm port of connected DVR.

---

6

Remote Setup

Schedule Setup

Camera

Copy to all

Copy on set

Schedule

Motion Rec

☒ Motion Recording

Sensitivity

Sensor Rec

Sensor1

Sensor2

Sensor3

Sensor4

Sensor5

Sensor6

Sensor7

Sensor8

Sensor9

Sensor10

Sensor11

Sensor12

Sensor13

Sensor14

Sensor15

Sensor16

	SUB	MON	TUE	WED	THU	FRI	SAT	SUN
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0

Keyboard

Apply

Save/Close

Cancel

Select event recording  
(If you select this option, schedule recoding is ignored)

## 6. Remote system

### 6.2.1 Schedule Setup

	SUN	MON	TUE	WED	THU	FRI	SAT
0	O	O	O	O	O	O	O
1	O	O	O	O	O	O	O
2	O	O	O	O	O	O	O
3	O	O	O	O	O	O	O
4	O	O	O	O	O	O	O
5	O	O	O	O	O	O	O
6	O	O	O	O	O	O	O
7	O	O	O	O	O	O	O
8	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X
13	O	O	O	O	O	O	O
14	O	O	O	O	O	O	O
15	O	O	O	O	O	O	O
16	O	O	O	O	O	O	O
17	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X
19	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X
21	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X
23	X	X	X	X	X	X	X

Select record or not record

Select recording schedule day and time by drag or click

### 6.2.1 Motion Recording

Motion Rec.

☒ Motion Recording

Sensitivity

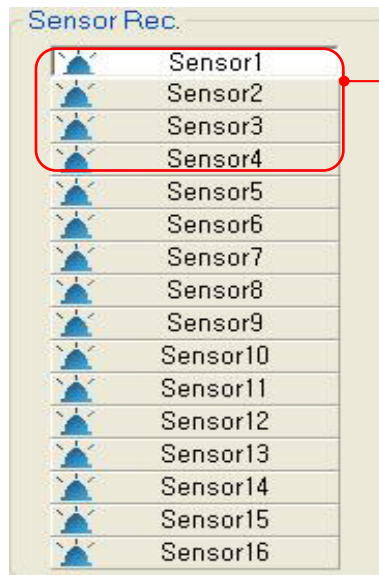
5

Select motion record or not

Select sensitive when motion recording

## 6. Remote system

### 6.2.3 Sensor Recording



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Recording a channel by sensor-on.  
Select a channel for sensor-recording

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MEMO

Handwriting practice area with horizontal dotted lines.