CMS USER GUIDE

Please read this manual thoroughly before use, and keep it handy for future reference

This manual is contains information on CMS Light software which will enable you

to use this product properly.

It has limited function as difference model, and not available function or menu will

be disabled.



What is CMS?

CMS is an integrated security management system that provides a useful solution for central monitoring station operation.

System Setting (Recommended)

- ►CPU : P-4 or more high level than Celeron 1.5GHz
- ►MEMORY : 256MB or more
- ►VGA CARD : AGP 64MB or more
- ►HDD : Additional space more than 100MB
- ►O/S : Windows 2000 or Windows XP Professional
- ►DirectX : V9.0 or more

Contents

When you purchased CMS program, make sure that the following Contents are included.



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1. CMS Program Installation

(1) Insert CMS CD, and double click on "setup.exe" to run the setup program.





2 Click on next button.



3 Check the box "I accepted this License Agreement" and click on [Next].



4 Enter the path to install the CMS program, and click on [NEXT] button.

😼 NextDVR Install
Select installation folder. Select a installation folder for 'NextDVR CMS'
Setup will install 'NextDVR CMS' in the following folder.
To install to this folder, Click 'Next' , To install to different folder, click 'Browse' and select another folder.
C:\NexIDVR CMS
Browse(F)
Back(<u>B</u>) [Next[<u>N</u>] Cancel(<u>C</u>)

(5) Installation will start.

NextDVR Install		_
Copy files		
Copying files.		Q
Installing : C:\NextDVR CMS\res\cms\im	a\scrl hz thumb.ona	

6 After the Center Program is completely installed, click on "FINISH" button.



(7) On the desktop, "CMS Watch"



2. CMS Watch Program Execution

① Double click on "CMS Watch" icon to run the Center Program.



3. CMS Watch

3.1 CMS Watch Display

CMS Watch provide function as like real time DVR remote watch, control. CMS Watch has a user interface as below. The explanation of each part is as follows.



4 Log/PTZ/Playback :

- Log Tab : Displays a list of recent event text.

- PTZ Tab : Toggle to PTZ controls
- Playback Tab : Toggle to 1 channel playback controls
- **5** Time Display : Show current time / date.
- 6 Menu buttons : Click a button to change to Search Mode, Setup Mode, Login software or shutdown system.



- **(7) Resource list** : It shows information for camera, Alarm-In and Alarm-Out devices connect to the DVR system.
- 8 HDD Capacity (Usage) : Display HDD Usage by percentage and size.

r [Note]

CMS Light version software can support 10 users to connect to a DVR in the same time.

3.2 Remote Server Connection

CMS Watch has a capability of collection and administration on every DVR servers in network.

2. Press "Connection" button to open Sever Connect.

Server Connect			Х
Server List :			
All Groups	Group :	ND_Group	Connect
			ОК
			Cancel
Import Export	Add	Update Del	

3. Input group name.



4.Press "Add" button to add group to server list.

Server List :			
All Groups	Group :	ND_Group •	Connect
	Name :		
	Server Type :	NextDVR 🔸	1
	Network Type :	Lan 🔸	1
	Address :		1
	Port :	12000	-
	ID :		1
	Password :		1
			-
			OK
	Auto Cor	nnection when Startup	Cancel

Addition of DVR Remote Server

1. Select group to be registered .

Server Connect X				
Server List :				
	Group :	ND_Group	Connect	
	Name :			
	Server Type :	NextDVR 🔹		
$ \qquad \nu_{\backslash \backslash }$	Network Type :	Lan 🔸		
	Address :			
	Port :	12000		
	ID :			
	Password :			
			ОК	
	Auto Cor	nnection when Startup	Cancel	
Import Export	Add	Update Del		

2. Input server connect information.

	Server Connect			X	
1	⊟-⊠	Group : Name : Server Type : Network Type : Address : Port : ID : Password :	ND_Group NDP NextDVR Lan 210,121,177,96 12000 admin ****1	Connect	
2-	Import Export		nnection when Startup Update Del	OK Cancel	

- (1) Remote DVR server List : Displays registered group and server list
- **(2)** Import : Imports server connect information from other DVR.
- (3) Export : Exports server connect information to other DVR or the outside DVR
- (4) Group : Displays group name or can be changed to another group.
- (5) Name : Displays server name or can be input server name to add new connect server.

] [] All Groups ⊡ [] ND_Group	Group :	ND_Group •	Connect
	Name :	NDP	
	Server Type :	NextDVR 🔶 😎	
	Network Type :	Lan 🛑 💼	
	Address :	210, 121, 177, 96	
	Port :	12000	
	ID :	admin 🔶 🚽	
	Password :	****	
	12 Auto Co	nnection when Startup	OK Cancel
ort Export	Add	Update Del	

6 Server Type :Select server type according to DVR type.

7 Network Type : Select network type.

(8) Address : Input IP address or domain name of DVR server to connect.

(9) Port : Input network port number to communicate with CMS and DVR server

10 ID : Input administrator ID of DVR server.

(1) Password : Input password of DVR server .

(12) Auto Connection when Startup : Check to log-in automatically when CMS start.

13 Add : Press "Add" button to add group or server.

(14) Update : Press "Update" button to update revised server information.

15 Del : Press **"Del"** button to delete server from server list.

- **16 Connect** : Press **"Connect**" button to connect to selected DVR server.
- 3. Press "Add" button to add server to server list.



Remote DVR Server Connection

- 1. Click **Surf** button and **"Connection**" button to popup server connect windows
- 2. Select server in DVR server list.

- M Groups 	Group :	ND_Group 🔹	Connec
	Name :	NDP	
	Server Type :	NextDVR 🔹	j
	Network Type :	Lan 🔸	i
	Address :	210, 121, 177, 96	i l
	Port :	12000	1
	ID :	admin]
	Password :	****]
			ОК
	🔲 Auto Co	nnection when Startup	Cancel

3. Click "Connect" button to connect, and connected server is shown on server list.





Remote DVR Server Disconnecting

1. Click

button and "Disconnection" button to popup Disconnect windows.



2. Select DVR server which you want to disconnect.

Se	rver Disconnect		X
	Server Name	Address	
Г	NDUI	210, 121, 177, 96	
		Disconnect	Close

- 3. Click "Disconnect" button to disconnect DVR sever
- 4. Click "Close" button to close windows .

Exit CMS





3.3 Picture Composition



(1) Camera Mark : display for camera motion and normal or PTZ camera.

It means normal camera.

- **2 DVR Server Type** : Displays DVR Server type.
- (3) Camera number : display for channel number
- **4 Camera name** : display for camera name.
- **(5)** MIC Mark : Display for the audio recording of each camera.
- 6 **Recording** : display for recording condition of each camera. (see table below)

Recording Type	Screen Display
Not recording	None
Continuous	REC : C
Motion	REC : M
Object detection	REC : O
Alarm In	REC : A
Pre Alarm	REC : P
ATM/POS Recording	REC : \$

3.4 Log/Ptz/Playback Tab

Log Tab

Click "Log" tap to display a list of events about Continuous Recording, Motion, Object Watch, Pre Recording, ATM/POS, Network Connection.

Log	PTZ	Playback		
Time	Type	Server	Description	
2007-05-02 15:05:12	Network	ND01(DVR)	Server connection is succeeded. (210.121.177.99:12000)	
2007-05-02 15:04:31	System	ND(DVR)	[Camera 2] CAMERA2 - Motion Recording	
2007-05-02 14:49:00	Network	ND(DVR)	Server connection is succeeded. (210.121.177.99:12000)	

PTZ Tab

Select "Ptz" Tab to display buttons for PTZ control.

- * PTZ Control
- 1. On Watch Mode Select channel which has PTZ camera setup.
- 2. Click "Ptz" tab.
- 3. Click PTZ function button to control.

Log	Ptz	P	layback					
Auto Pan	Prese	t						
		1	2	3] 1 Set	Preset	Focus Zoom Speed	
Auto Pan		4	5	6	Move Pres	et	- Focus +	
Start End		7	8	9	Enter			
		OSD	0	Del)			
(1)				(2)		(3)	(4)

(1) Auto Pan : It is function to observe automatically along two points which have been previously setup.

"AutoPan" : Click button to enable AutoPan and click again to disable.

"Start" : Button to setup PTZ start position.

- "End" : Button to setup PTZ end position.
- (2) **Preset** : It is function to setup PTZ position to a Preset ID and later recall the ID to move to that position.

"SetPreset" : Save PTZ position information to Preset ID

"Move Preset" : Move to PTZ position which was setup for Preset ID.

"Enter": Use button to enter on PTZ OSD menu.

"OSD" : Use button to open PTZ OSD menu.

"Del" : Use button to delete Preset ID

(3) Focus/Zoom/Speed : It is function to control PTZ Focus, Zoom and P/T Speed.

(4) Direction Button : It is function to control PTZ direction by 8-way.

Playback Tab

Click "Playback" tap to display playback buttons and graphic time bar for selected channel.



(1) **Refresh** : Refresh timeline with recent recorded data.

- (2) **Camera** : Select channel to display record data time bar.
- **3** Date/Time selection : Select year, month, data and time.

(4) Time Line : Shows time scale, time line can be zoomed by 10 times to improve detail.

* Time Line Zoom In and Out

·1. Click left side of mouse in the timeline.



2. Click right side of mouse in the timeline.



(5) Recording data display

Orange	Continuous
Blue	Motion
Gray	Object Watch
Green	Alarm-In
Yellowish Green	Pre Rec
Violet	ATM/POS

(6) Time line bar : Designate time which you want to search.

(7) Playback Button : Click button to control playback.



It provides conditions of each devices which are cameras, alarm-In, alarm-Out as a tree.



3.6 Setup camera to individual view panel

To watch picture, you can set up each cameras of DVR which is connect and watch in one or several DVR server .

Setup camera in view panel

1. To see resource information in DVR server list, put '+' to spread resource information.



2. If you drag camera and move another site in DVR server list, camera picture will be shown at another site.



3. Repeat 3 times to set up camera from one or many DVR server.

[Note]	
 All cameras in DVR servers can be set up on server or camera group in DVR server list, you compared to the server list. 	
⊡~ <mark>≣</mark> NDP(NextDVR) ⊡~ ≣ Camera (16)	DVR server
e G Alarm In(16)	Camera Group

Remove camera from View panel

- 1. Select camera picture which you want to remove.
- 2. Drag it to DVR server list.



3. Removed site will be display logo, this site means vacant area.



Moving camera picture via view panel

1. Select camera picture and drag it.



2. Drop camera to the location you desire, the cameras will then exchange places.



3.7 1Ch Playback

This is the feature to activate 1 channel playback, whilst in live screen the operator can instantly playback one camera by a preset time period.

1Ch Playback

1. Select camera picture which you want to search in Watch mode.

1	NEXT DVK	
COII) Camera 1	El Dig Caned 2	2006/08/16 11:36:57
	T- C-C	Camera 1
	Did Canace,d	Camera 2 Camera 3 Camera 4 Camera 5 Camera 5 Camera 6 Camera 7 Camera 8 Camera 9 Camera 10
		Camera 12 Camera 13 Camera 13 Camera 14 Camera 16 Camera 16 Camera 16 Camera 16 Camera 16 Camera 10 Camera 10 Camera 10 Camera 12 Camera 13 Camera 13 Camera 13 Camera 13 Camera 13 Camera 13 Camera 14 Camera 14 Camera 14 Camera 14 Camera 14 Camera 16 Camera
Log Ptz Playback		
		U

2. Click "Playback" Tab.

Log		Ptz		Ĩ		Pla	yba	ck											111					
FJ								[2	2006	;	/ 8	3 /	10	(1)	+	1	1 :	27	:	3	^	-6 -4 -2 1 2 4 6
	00 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Camera 1																								88899999

3. Click

Camera 1 button .

4. Recorded time graph is displayed for selected channel

Log	_	Ptz	_			Pla	yba	ick																
[fg]								[2006		/ 8	3 /	10	I (T)	+	12	2 :	27	:	3	÷	-6 -4 -2 1 2 4 6
	00 0	1 02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Camera 1																								0000000
									Г					T										

- 5. After select time, click D button
 - button to playback.
- 6. Click button to return to Watch Mode.

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3.8 Full Screen Display

Convert Full screen



button to expand view panel.



2. Below shows that view panel seen in full screen .



3. Click right button of mouse to return to original size.

3.9 Backup

How to Backup

1. Select channel to backup on screen.



2. Click

6

button to display as following picture.



3. Click "Backup" button to pop-up backup dialogue.

Format		Source	
 Time 	O AVI O SFX O BMP O JPEG	Server ND01	
Range		Destination	
Start	2007 / 5 / 2 (WED) 🔹	Server Local	Host 🔸
	00 : 00 : 00 🗲	Media HDD	*
End	2007 / 5 / 2 (WED) •	Device C:\	*
	00 : 01 : 00 🗘	Path C:\	Path
Camera — Camera	_	Option	
	a 5 🔲 Camera 6 🗋 Camera 7 📄 Camera 8 a 9 📄 Camera 10 🗋 Camera 11 📄 Camera 12	Continuous	Motion
	a 13 🗋 Camera 14 💭 Camera 15 🔲 Camera 16	🖌 alarm	🖌 Event Backup
20003		Pre Rec	🗹 Audio
C			
Size Estimated	Size 12.4 MB Calculation		

4. Input detail information to progress backup.

	Backup	×	
1	Format	Source Server ND01	-5
	Range	Destination	
	Start 2007 / 5 / 2 (WED) 🔸	Server LocalHost	
\bigcirc	00 : 00 : 00 🖨	Media HDD	6
(2)	End 2007 / 5 / 2 (WED) 🔹	Device C:\	
	00 : 01 : 00 두	Path C:\ Path	
	Camera		
	Camera 1 Camera 2 Camera 3 Camera 4 Camera 5 Camera 6 Camera 7 Camera 8	Option	
3—	Camera 9 Camera 10 Camera 11 Camera 12	Continuous 🗹 Motion	
-	Camera 13 Camera 14 Camera 15 Camera 16	🖌 alarm 🖌 Event Backup	$\overline{\mathbf{O}}$
	Size	Pre Rec 🕢 Audio	
(4)	Estimated Size 12.4 MB Calculation		
9		OK Cancel	

1 Backup format : Select recording format for backup.

Time Backup	This function is used to backup video data in video format, viewer software is needed for playback.
AVI Backup	This is used to backup video data in one of the standard MS Windows Media Player formats.
SFX Backup (Self Extract file)	This is used to backup video data with player included for playback.
BMP, JPEG Backup	This is used to backup still images in BMP or JPEG format.

- **2 Range** : Set up backup time.
- (3) Camera : Select camera or channel to backup. Only one channel can be selected for AVI and SFX formats.
- **4** Size : Click "Calculate" button to calculate backup data size.
- **5** Source : Displays transmitted server name.
- **6** Destination : Set up backup destination.

Option : Depending on the selected backup format the setup options can differ.

Time Backup	Backup event Option (Continuous, Motion, Alarm, Pre Rec, Audio)
AVI Backup	Audio Backup, Codec, compression quality.
SFX Backup (Self Extract file)	Audio Backup
BMP, JPEG Backup	Watermark, Watermark Check S/W Copy, Frame information display.

5. Click "OK" button to progress backup.

The back management menu shows the backup information, time, cycle, format and status . A schedule list of all backup currently in process and the order will progressed according to list in order.

Backup management
1. Click of the find backup schedule list as shown as below.
0. 2 6 - 4 = -
Backup
Backup Management

2. Click "Backup Management" button, then backup schedule management list will be shown.

Backup		NEXT	OVR CM	S			_ × _
Backup Sc	hedule List :						
Type	Start Time	Time Range	Format	Schedule	Status		
Instant Schedule	Next Time 2007-05-02 / 17:10:43	2007-05-02 / 00:00:00:00 ~ 2007-05-02 / 00:01:00:00 2007-05-02 / 17:00:45:000 ~ 2007-05-02 / 17:01:48:000	Time Time	Daily	Running		
Time : Camera :	Instant-Lime, 2007-05-02 / 0 2	0:00:00.000 ~ 2007-05-02 / 00:01:00.000					ority Up
Device : Path :	HDD C:\						Delete
Progress :		6%				Safely Ren	nove Hardware

- (1) Backup schedule list : Displays current backups in progress when a backup is complete it will be deleted from the backup schedule list.
- 2 Backup information : Displays backup information of selected backup.
- **3** Backup progress : Displays backup progress and percentage complete.
- (4) Priority up : Select backup from the list click priority up to move up in the backup schedule list.
- **(5)** Priority down : Select backup from the list click priority down to move down in the backup schedule list.
- 6 Delete : Delete backup from backup schedule list.

4. CMS Playback

4.1 CMS Playback picture

CMS Playback can watch and record DVR's recorded data in network by remote control. CMS Playback has a user interface as below. The explanation of each part is as follows.



1 View panel: Displays the playback of recorded data.

(2) Split button : Choose the screen division displayed by 4/6/9/10/13/16/25/33/36 splits.



- 3 Search date : Input the search date and time.
- (4) Camera : Select channel to playback.
- (5) **Time line** : Display for time scale can be zoomed by up to 10 times.
- (6) Recorded data bar : Displays recording type and time recording detail as bar graph.

Orange	Continuous
Blue	Motion
Gray	Object Watch
Green	Alarm-In
Yellowish Green	Pre Rec
Violet	ATM/POS

(7) **Time Line Bar** : Displays time position to search recorded data, move to select playback time.

- (8) **Time Display** : Show current time and date.
- (9) Menu Button : Click button to change to Search Mode, E-map, Backup Mode or System setup and Server connection.



- (10) Server list : DVR server which is connected CMS is listed.
- (1) **Calendar** : Displays the calendar. If data exists on a data the number will be show as different color.
- (13) Event : Displays a list of alarm-in and motion detection events. If you select an event in the list, then the search facility will move to when the event time and playback on screen.
- (1) Adjustment : Adjust display of the selected picture. Adjust the picture brightness, contrast, sharpness, enlarge screen and zoom.
- (15) **Printer** : Click to print image (select one camera only).
- (16) Refresh : If you click 🕢 button, timeline will update with the latest recorded data.
- 17 Playback Panel : Click button to control playback. (Just use play, reverse play, stop, in KSR-304T and KSR-304N.)



(18) Speed/Volume : Change the playback speed and volume.



4.2 Allocate DVR server to View panel

Allocate DVR server in network to View panel to search DVR server's picture..



1. Select DVR server in the DVR server list.



2. Drag DVR server and put it View panel.



3. The recording information of DVR server will be adapted in CMS Playback

Playback	a transmission in the	NEXT DVR		
(CO1) Canera 1	(C02) Camera 2	(CO3) Camera 3	(C04) Cantern 4	2006/08/18 13:39:39
(COS) Camera 5	(CO6) Clamera 6	(C07) Canvera 7	(COO) Camera O	10 - 00 - 00 511- Extend 0 15 NOO1(16)
(CO3) Cenera 9	jC10j Camera 10	(CII) Camera 11	[C12] Cantern 12	Colondar Bocamus - Califi Adapatingre
JC13] Canera 13	(C14) Canera 14	SC151 Camera 15	(CTR) Camera 16	Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image: Construction Image
			2006 / 8 / 18 • 9 : 24	30 Teday
Sel Al Cam 00 01 Camera I Camera 2 Camera 3	102 103 104 105 06 107 108	09 10 13 12 13 14 15	5 he 17 he 19 20 21 22	
Cartera 4 Cartera 5				Volume -CD- KR

4. To search another DVR server, repeat it.

4.3 Select search date and time

Move between recorded dates by use of calendar. If you select a date on the calendar the search facility moves to that date. If data exists in selected month, it will show the dates as a different color. Once date is selected the record information will show automatically in timeline.

Select :	search	date	and	time
----------	--------	------	-----	------

- 1. Click "Calendar" button to select search date.
- 2. Select date which you wish to search in the calendar.

Calendar (1)◄ ∐ ◄ (2) $(\tilde{4})$ (3) 1 2 З 4 5 7 8 9 10 14 15 16 17 19 18 (5) 21 22 23 24 25 26 28 29 30 31 Today $(\mathbf{6})$

- **1** Last year : Move to previous year.
- (2) Next year : Move to next year.
- **3** Last month: Move to last month.
- **4** Next month : Move to next month.
- (5) Date : It shows dates for selected month .
- **6** Today : Moves to today's date.
- 3. Change the date for search using date entry in the timeline.

			▦													2006	/ 8	/ 1	8 🗣	·] [12 :	20 :	25	4
Sel All Cam 00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Camera 1						1					-	T	-											1
Camera 2											-		-											
Camera 3											-													1
Camera 4											-			•										1
Camera 5											-			•										

4. Move timeline bar to search which time you want to view.

				Ð													2006	/ 8	8 / 1	8 🖣		12 :	20	25	÷
Sel All Cam	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Camera 1							1	-																	
Camera 2																									
Camera 3																									
Camera 4															•										
Camera 5								-							-										▼

The timeline size can be enlarge whenever you left click the mouse button on the timeline, the size of timeline will be adjusted (max. 10steps). Use for sensitive time adjustment and to see recording schedule easily.

Enlarge Timeline size

1. Left click mouse button in time line.

											2006	/ 8	7.1	8 🔸	12 :	20 :	25	ŧ
Sel All Cam	·						11									22		
Camera 1				П				T	$\overline{}$									
Camera 2						-	-			7								
Camera 3				1				V	/ /									1
Camera 4							-											1
Camera 5							-			•								▼

2. When you left click the mouse button repeatedly, the timeline will enlarged.

				2006 / 8 / 18 🔹	12 : 20 : 25 🖨
Sel All Cam b	11:55 12:00	12:05 12:10 12:15	12:20 12:25	12:30 12:35 12:4	0
Camera 1					
Camera 2					
Camera 3					
Camera 4					▼
 ■ 					•

Reduce Timeline size

1. Right click the mouse button in time line.

	2006 / 8 / 18 • 12 : 20 : 25 +
Sel All Cam b -;11:55 12:00 -;12:05 -;12:10 -;12:15 -;12:20 -;12:25 Camera 1 Camera 2 Camera 3 -;12:10 -;12:15 -;12:20 -;12:25 -;12:15 -;12:20 -;12:25 -;12:15 -;12:20 -;12:25 -;12:15 -;12:20 -;12:25 -;12:20 -;12:25 :12:25 -;12:25 :12:25	±2:30 ب2:35, ب2:40 ي 12:45 ب
Camera 4	۲ ۲

2. When you right click the mouse button repeatedly, it will be reduce the zoom and eventually return to 24 hr display.

				J)()(2006	/ 8	- / 1	8 🖣)	12 :	20	25	ŧ
Sel All Cam	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Camera 1							1	-		-				$\overline{\ }$											
Camera 2														A 1	7										
Camera 3													ļ		`										
Camera 4															•										
Camera 5															-										▼

4.4 Bookmark

Bookmark function is used to save a fixed position on recorded data. It is useful to find and playback a certain event within recorded data without wasting time searching.

Add Bookmark

1. Click "Bookmark" button.



- **1** Add : Add the currently displayed frame to the bookmark list.
- (2) Go to : Jump to the selected bookmark.
- **3** Edit : Delete name and time of selected bookmark.
- (4) **Del** : Delete selected bookmark.
- **(5)** Del All : Delete all bookmark.
- **6** Bookmark list : it shows all bookmark list.

2. Select bookmark time.

				90)(2006	/ 8	- / 1	8 🖣		12 :	20 :	25	÷
	Sel All Cam	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ľ
	Camera 1							1																		1
	Camera 2	Ì													-											
	Camera 3	Ì																								
	Camera 4															-										1
-	Camera 5															-										ī

3. Click "Add" Button.

Ŧ

4. Input the name of bookmark.

Bookm	ark Edit X
Name:	Bookmark01
Time:	2006 / 8 / 18 (FRI) 🔹 12 : 2 : 2 🖨
	OK Cancel

5. Click "OK" button to add Bookmark, it is then displayed on the time line.

2006 / 8 / 18 • 11 : 51 : 3 ÷															÷										
Sel All Cam	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Camera 1	i –						1					- (x)											
Camera 2	i							-																	
Camera 3																									
Camera 4								-		-															
Camera 5								-																	•
Delete Bookmark

1. Select item which you want to delete.

Bookmark
Adjustment
dit Del DelAll
Time
2006/8/18 12
2006/0/10 12
► ►

2. Click "**Del**" button, then it will be deleted.

Delete all Bookmark

- 1. Click "DeIAII" Button for all bookmark deletion.
- 2. Click "Yes" button, then it will be deleted.

		X
2	Delete All?	
~		
	Yes No	

Revise Bookmark

- 1. Select item which you want to revise.
- 2. Click "Edit" button
- 3. Revise the information of bookmark.

Bookma	ark Edit X
Name:	Edit_Bookmark01
Time:	2006 / 8 / 18 (FRI) 🔹 12 : 2 : 2 🜩
	OK Cancel

4.Click "OK" button, then you can see the revision of bookmark.



Go to Bookmark

1. Select item which you want to go.



2. Click "Goto" button.

3. It will moved the time which bookmark designated.

	Ⅲ		96														2006	/ 8	8 / 1	8 🖣		12 :	20	25	ŧ
Sel All Cam	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Camera 1							1						1												
Camera 2														-											
Camera 3							1								-										
Camera 4															-										
Camera 5															•										T

4.5 Event

Event which is occurred in the DVR system is shown. All event which is occurred by motion detection, alarm is listed in the event list. Double click to see picture which you want to search.

(Not available in KSR-304T and KSR-304N.)



1. Click "Event" button to search Event.

	Current p	age number/tota	ll page ni	umber
Go to previous page	Calenc	tar Bookn t Adjusti	mark ment	Go to next page
Select to camera channel	• •	• 0,0		
	1 1 1 1 1	Time 13:48:06.4 13:48:09.9 13:48:22.0 13:48:25.5 13:48:29.6 13:49:14.5 13:49:25.8		—— Event list display

2. Double click event which you want to search.



3. The picture of selected event shows.



4.6 Adjustment

Adjustment

1. Click "Adjustment" button for image improvement.



- (1) Brightness : Adjust brightness of displayed image.
- (2) Contrast : Adjust contrast of displayed image.
- **3** Sharpness : Adjust sharpness of displayed image.
- (4) **Restore** : Restore the displayed frame's original parameters.
- **(5)** Screen Zoom : Enlarge or reduce displayed image.
- **6 Zoom In** : Enlarge displayed image.
- (7) **Zoom Out** : Reduce displayed image.
- (8) Move : Locate one site to another site.
- 2. Select channel which you want to adjust.



3. Adjust Brightness/Contrast/Sharpness button.



4. Click Solution to go initial setup.

Zoom In/Zoom out

1. Select channel which you want to zoom in/zoom out.



2. Click the button to go Zoom in/Zoom out.

Zoom In

- 1. Play recorded image which you want to zoom in.
- 2. Select channel which you want enlarge.
- 3. Click **(**) button, then mouse pointer will change
- 4. Move mouse pointer site which you want enlarge.
- 5. You can zoom in by left clicking on a frame.





sign.

Zoom Out

1. Play recorded image which you want to zoom out.



button.



- 3. Move mouse pointer site which you want reduce.
- 4. You can zoom out by left clicking on a frame.



5. If you want to cancel it, click



Movement

- 1. Zoom out a image.
- 2. Click \fbox button, then mouse pointer will change \rightarrow sign
- 3. Select area which you want move and drag it.



4. If you want to cancel it, click

button.

4.7 Printing

Printing

1. Select searching picture which you want to print.

	EXT DVR	and the second se	-land marks
		-	
		2006/08/ 16:18:	08
[C01] Camera (105/02/17/55/3)	1.250	906-	() SI
		Sever List - I NDD1(16) Galendar T B	ookmark
		6 00	++ (2)
Sol Al Come Sol Al Come Do 51 N2 203 (04 105 106 107 108 209 10 11	2006 / 8 / 18 • 13 • 48 : 6 •		
arrea 2		Speed -GD Volume -GD	
rint Printer <u>Name:</u> HP DeskJet 850C Status: Default printer; Ready Type: HP DeskJet 850C Where: LPT1: Comment:	Properties	J	
HP DeskJet 850C Status: Default printer; Ready Type: HP DeskJet 850C Where: LPT1:		J	
Name: HP DeskJet 850C Status: Default printer; Ready Type: HP DeskJet 850C Where: LPT1: Comment: Print range	Properties	1	

3. Click OK , then it will be printed

ि [Note]

Print Setup

- 1. Click Start \rightarrow setup \rightarrow printer In Windows
- 2. Double click [adds Print] in Print menu.
- 3. Click [next] in adds print wizard.
- 4. Check it [local print] is selected, then click [Next].
- 5. Click [Disk included] or select print driver,
- 6. If deriver set up, print setup will be finished.

Image printing

1. When you are printing, print monitor size.

If print is not executed

- 1. Reconfirm printer setup in Windows.
- 2. Check Printer cable or power cable is connecting or not.

5. CMS E-Map

5.1 CMS E-Map

CMS E-map is computer map of area with designated location of installed cameras, sensors and controls. CMS E-map has user interface as below. The explanation of each box is as follows.



- (1) View Panel : It is the part for mark of condition of camera and alarm controls in the E-map.
- 2 Camera image panel : Print selected camera control image in E-map.
- (3) Time : It shows time.
- (4) Menu : Click a button to change to Search Mode, Search Mode, System Setup or Server connection.
- (5) Server list : The resource information of camera, alarm-in, alarm-out is show in order.
- 6 E-map editing panel : Register E-map or edit or delete it. It can delete all cameras, Alarm-In, Alarm-Out control in the E-map.



- (7) Device selection panel : It shows the information of camera control.
- (8) **Device list panel** : It show the information listed devices.

5.2 E-map addition

Add E-map

1. Click "New" button to add E-Map.

E-mapU1 • New Edit	Delete	Reset

2. Input Map name and Map path.

New Map	X
Map Name :	E-map01
Map Path :	C:\E-map2\E-map01,bmp
	OK Cancel

3. Click "**OK**" button, then display which is registered will be shown.



5.3 Edit E-map

Edit E-map

1. Click "Edit" button to add E-map image.

E-map	NEXT DVR		= = ×
Emp	NEXT DVR	Peter Rest	2000/08/18 20 : 15 : 53 20 : 15 : 53 20 : 15 : 53 20 : 20 : 20 : 20 : 20 20 : 20 : 20 : 2

2. Input Map name and Map path.

Edit Map	X
Map Name :	E-map01
Map Path :	C:\E-map2\E-map01.bmp
	OK Cancel

3. Click "OK" button, then display which is edited will be shown.

E-map		NEXT DVR			
	E-map01		Delete Reset	Descretion	2006/16/18 18:56:48 Carrer 18
				•	

5.4 Delete E-map

Delete E-map

1. Delete "Delete" button to delete E-map.



2. Message will be shown as like " Do you really want to delete?".



3. Click "Yes" button, then E-map will be deleted.

Е-тыр	NEXT DVR	- # ×
E-map	NEXT DVR	2006/09/18 18 : 56 : 48 Control 10 Control 10 Cont
	Lemapo1 • New Edit Delete Meset • O O O O	

5.5 Device control registration

Device control registration

1. Spread resource information to see the resource information of connected DVR server in DVR server list.



2.Drag and drop cameras, alarm in and alarm out in DVR server list, then click mouse button to site which you want to put.



5.6 Remove device control one piece each

Remove device control one piece each

- 1. Select control which you want to remove.
- 2. Drag camera picture and put it to DVR server list



3. Removed site marked as vacancy.



5.7 Remove all device control

Remove all device control

1. Click "Reset" button to remove all device control.



2. A box will be shown as below.

		X
?	Do you really want to reset?	
	Yes No	

3. Click "Yes" button, then all device control will be removed.



5.8 Camera screen output



2. Camera screen which you want to search will be output.



6.1 Resource

It is a external device which consists of DVR system. You can make splendid DVR security system by use of camera. PTZ, MIC, Alarm in/out and other devices.

6.1.1 Camera

You can set up brightness, contrast, hue, saturation about each cameras. How you choose camera number select camera number in left side of server view.

ietup		NEXT DVR	CMS			×	
Camera PTZ	Schedule Audio	Event 🐼	Backup Alarm Out	Network	System	• •	
2 Enable 3 Covert Channel						2007/05/02 17:05:44	
AName CAMERA2		Dicture					
5 Picture Adjustment Brightness Contrast Hue Saturation 6 AGC(Auto Gain Control) 8 Apply to	T T T T T T T T T T T T T T T T T T T	Picture [CIII2]	(9)			NODI(UVR) NODI(UVR) NODICORP CAMERA1 CAMERA2 CAMERA3 CAMERA4 CAMERA5 CAMERA5 CAMERA6 CAMERA7 CAMERA9 CAMERA9 CAMERA10 CAMERA11 CAMERA12 CAMERA12 CAMERA13 CAMERA14 CAMERA15 CAMERA15 CAMERA15 CAMERA16 CAMERA1	—(

- (1) Camera : Select channel to setup camera.
- 2 Enable : setting camera enable or not.
- 3 Name : Input the name of site which camera is installed.
- (4) Use Convert Channel : It is a function of camera picture hide. It is useful for user to conceal camera recording . (Not available in KSR-304T and KSR-304N.)

☞ [Note]

• When you watch a screen in remote area. A user who is authorized "secret channel" can see a screen. Please

- (5) Brightness/Contrast/Hue/Saturation : It is a function of brightness, contrast, hue, saturation. (Not available in KSR-304T and KSR-304N.)
- (6) AGC(Auto Gain Control) : System operates brightness control automatically. (Not available in KSR-304T and KSR-304N.)
- **Default** : Make initial setting of brightness, contrast, hue, saturation.
- (8) Apply to : The selected channel setting value can be applied to all or just selected channels.
- (9) **Picture** : It shows picture which you select.

[Note]

- Please check adjustment of camera and monitor because
- Brightness/Contrast/Hue/Saturation can not use for change a picture.

6.1.2 PTZ

You can control PTZ or Speed dome which is connected DVR system or external device. To use this device, install RS485 to external device, then set up this device. (Not available in KSR-304T and KSR-304N.)

Setup		NEXT D	VRCMS			×	
Camera PT	splay Schedule	Event Alarm In	Backup Alarm Out	Network	System		
 2 ≥ Enable PTZ Setup 3 Model 5 BPS 6 Address 6 Address 7 Port Setup 7 Port Setup 9 Parity Data Bit Stop Bit 	Pelco D 9600 1 COM4(Prolific USB-to-Se 8:485 None 8 1	· · 10 · 11				2007/05/02 17 : 06 : 46 Server Lit Camera (16) Camera (16) Came	
CMS Setting		Default (12)	ОК	Cancel	Apply	CAMERA15 ■ CAMERA15 ■ CAMERA16 ■ CAMERA16 ■ Alarm Out (4)	

- 1 Camera : Select channel to setup camera.
- (2) Enable : Set up PTZ (Pan/Tilt/Zoom) function .
- (3) Model : Select PTZ which is installed camera number or speed dome model.
- (4) Add : Click Add button to add new PTZ model.
- (5) BPS : Select PTZ' transferring speed(2400~19200 Bps).
- (6) Address : Input PTZ adress(0~255).
- (7) Port : Select port number which is connected PTZ.
- (8) Interface Mode : Select port method which is connected PTZ.
- (9) Parity : Set up beat (None, Odd, Even) to search date transferring errors .
- (10) Data Bit : Set up date bit as 5, 6, 7 or 8.
- (1) Stop Bit : Set up stop bit as 1 or 2.
- (12) Default : go to initial setting number.

Adds PTZ List

1. Click "Add" button to adds new PTZ model.

Model	PELCO D	+	Add

2. Select folder and click it .

100

			× .
Look In: 📦 로컬	디스크 (C:)		• • • • • • • • •
Name	Size	Туре	Modified
Codec		파일 폴더	2006-08-18
🛅 emap		파일 폴더	2006-08-18
🖻 ptz		파일 폴더	2006-08-18
🚞 res		파일 폴더	2006-08-18
🚞 setup		파일 폴더	2006-08-18
🖬 command_script.lua	7.70 KB	LUA 파일	2006-07-01
File Name:			Open
Files of Type: Lua File	s (*.lua)		 Cancel

3. Select PTZ model which you want to add.

		×
Look In: 🛅 ptz		• • • • • • • • •
Name	Size Type	Modified
🗟 EVQ-1000.lua	4.27 KB LUA 파일	2006-07-01
🗟 GANZ-PT.Lua	4.26 KB LUA 파일	2006-07-01
🖻 KALATEL.Lua	2.97 KB LUA 파일	2006-08-10
🖬 LG-MULTIX.lua	3.37 KB LUA 파일	2006-07-01
🔤 NK-97 SD.Lua	3.31 KB LUA 파일	2006-07-01
🔤 PELCO D.lua	3.82 KB LUA 파일	2006-07-01
🔤 PELCO P.lua	4.27 KB LUA 파일	2006-07-01
🔤 SCC-643.lua	3.86 KB LUA 파일	2006-07-01
File Name:		Open
Files of Type: Lua File	s (*.lua)	Cancel

4. Click "Open" button, then new PTZ model will be listed.

6.1.3 Audio

The audio setup allows users to modify live audio output and recordings on the watch screen.

Setup				NEXT D	VRCMS				×	
Resource	Display	Schedule Audio	*	Event Alarm In	Backup		twork	System		
Camera	PIZ	Audio		Alarm In		л		_		
Audio Input									2007/05/02	
Audio 1	Audio 2	Audio 3 Au	dio 4	Audio 5	Audio 6	Audio 7	Audio 8		17:07:16	
Audio 9	Audio 10	Audio 11 Aud	dio 12	Audio 13	Audio 14	Audio 15	Audio 16		20.0 11.	
_ Audio Info				Apply to	(8)		Ξ.	Server List	
3 V Live	4 Rec	ording							B-B ND01(DVR)	
5 Name	Audio	1		🗌 Live	Recor	ding			🖻 🖶 Camera (16) 🔤 CAMERA1	
<u> </u>	8443	. 8bits	•	Apply to			•			
6 Sampling		., obics			~				CAMERA4	
Audio Link Info								1	CAMERA5	
Camera	Audio	Name	Live	Recording	. Cam	pling			CAMERA7	
Camera 1	Audio	Audio 1	O	O		, 8bits			CAMERA8	
Camera 2	2	Audio 2	0	0		8bits			CAMERA10	
Camera 3	3	Audio 3	ō	ō		8bits			CAMERA11	
Camera 4	4	Audio 4	0	0	8kHz	8bits			CAMERA12	
Camera 5	5	Audio 5	0	0	8kHz	8bits			CAMERA13	
Camera 6	6	Audio 6	0	0	8kHz	8bits			CAMERA14	
Camera 7	7	Audio 7	0	0	8kHz	8bits			CAMERA15	
Camera 8	8	Audio 8	0	0		8bits			CAMERA16	
Camera 9	9	Audio 9	0	0		8bits			B-C Alarm In (16)	
Camera 10	10	Audio 10	0	0		8bits			H darm Out (4)	
Camera 11	11	Audio 11	0	0		8bits			a Alarin Out (4)	
Camera 12	12	Audio 12	0	0		8bits				
Camera 13	13	Audio 13	0	0		8bits				
Camera 14	14	Audio 14	0	0	8kHz	8bits				1
Camera 15	15	Audio 15	0	0	8kHz	8bits				
Camera 16	16	Audio 16	0	0	8kHz	, 8bits				
								-		J

- (1) **Camera** : Select the channel to set up the camera.
- (2) Audio Input : Select the audio channel to link with the selected channel.
- (3) Live : Set up live audio output on the watch screen.
- (4) Recording : Set up audio recording.
- (5) Name : Enter audio channel name.
- (6) Sampling : Select audio quality to record audio.
- **(7)** Audio Link Info : Displays each channel audio property.
- (8) Apply to : The selected channel setting value can be applied to all or just selected channels.

6.1.4 Alarm In

According to alarm input type which is connected in Alarm-In port separately, you can set up event. And you can record camera picture connected with alarm when event occurs. (Not available in KSR-304T and KSR-304N.)



- (1) Alarm-In : Select channel to setup Alarm-In.
- (2) Name : Input site name which is installed Alarm-In.
- 3 Signal type : Whenever you put button, input type of alarm-in will change as like [NC]-> [NO], [NO]->[NC].



: If normally opened alarm get closed ,event occurs.

- : If normally closed alarm get opened ,event occurs
- (4) **Discard time** : When event occurs in alarm, it records camera picture which is connected with alarm from first event occurrence time.

6.1.5 Alarm Out

When event is occurred, you can operate external device as like siren in alarm in by send electric signal. (Not available in KSR-304T and KSR-304N.)



- (1) Alarm-Out : Select channel to setup Alarm-Out.
- (2) Name : You can input alarm output site or name of external device as like siren.
- (3) Running Time : You can set up maintain operating time when alarm was output.

6.2 Display

6.2.1 External Output

It print camera picture to external monitor. You can set up time with selection of camera which is printed in external monitor. (Not available in KSR-304T and KSR-304N.)

Setup NEXT DVR CMS	X
Image: Resource Image: Display Schedule Image: Resource Image: Resource <td>Network System</td>	Network System
SPOT 1	2007/05/02 17:08:35
	13 14 15 16
2 Dwell Time 1 sec - 60 sec 3 - SPOT 2	CAMERAS
Camera 3 1 2 3 4 5 6 7 8 9 10 11 12	13 14 15 16 CAMERA3 CAMERA9 CAMERA1 CAMERA11 CAMERA12 CAMERA13
4 Dwell Time 1 sec - 1 sec - 60 sec 3	CAMERA14 ← CAMERA15 ← CAMERA15 ← CAMERA16 ← ① Alarm In (16) ← Alarm Out (4)
CMS Setting	OK Cancel Apply

- (1) Camera : Select camera which you want output to external monitor.
- **2** Dwell Time : Set-up transferring time with dragging slider.
- 3 Camera : Select camera which you want output to external monitor.
- (4) **Dwell Time** : Set-up transferring time with dragging slider.

6.3 Schedule

6.3.1 Camera Schedule

Recording information (Recording Frame, Quality, Resolution, Emergency Frame) can be set up time as like week, weekend, holidays and make schedule your own ways.

Setu	P					NEXT D	RCMS				>	×
曲	Resource	Display	sci	nedule 🔝	£	Event 🕝	Backup		letwork	System	°	
Car	mera Schedule Re	cording Schedu	le l	Storage	-				Ethele	-		
			1									
(1)	Schedule Type Typ	e 3	*								2007/05/02	
$ \uparrow$	2Name Type	\sim	_			Update			\sim		17:09:46	
	\bigcirc	(3)		(4)		5 Jution	6		(7)	A		-
	Camera All Camera	Frame	_ 15		•	Jution		·	App iy t o	Ē.	900 1	1-
	CAMERA1		_ 6		•	352×288 •		6		•	Server List	
	CAMERA2	-œ	_ 6		•	352×288 •	-œ—	6		•	ND01(DVR) Camera (16)	
	CAMERA3		- 6	Normal	•	352x288 •		6		•	CAMERA1	
	CAMERA4		- 6	Normal	•	352x288 •				•	CAMERA2	
	CAMERA5		- 6	Normal	٠	352×288 •		6		•	CAMERA4	
	CAMERA6	-œ—	- 6	Normal	٠	352×288 •	-œ-			•	- CAMERA6	
	CAMERA7	- D	- 6	Normal	٠	352×288 •	-œ-	6		•	CAMERA7	
	CAMERA8	- D	- 6	Normal	٠	352x288 +	-œ-			•	CAMERA9	
	CAMERA9	- D	- 6	Normal	*	352×288 •		6		•	CAMERA11	
	CAMERA10	-œ-	- 6	Normal	*	352×288 •	-œ-	6		•	CAMERA12	
	CAMERA11	- D	-6		•	352x288 •	-œ-	6			CAMERA14	
	CAMERA12	-@-	- 6		•	352×288 •	-œ-	6			CAMERA16	
	CAMERA13	-@-	6		*	352x288 •		6			 Image: Alarm In (16) Image: Alarm Out (4) 	
	CAMERA14		- 💾	Normal	-	352×288 •	-@-	_ <u>P</u>				
		185 155 195	201 - 202	NO 20 ON	112	50 00 m	03 00 00	20. 20.	na na na na			
	/	01 02 03 04	05 06	5 07 08 0	9	10 11 12 13	14 15 1	6 17 18	19 20 21	22 23		
	Weekday					8		1 1				
	Saturday					ల		1				
	Holiday					1. 1. 1.						
							ſ	01	Cancel	Annh		
	CMS Setting							ОК	Cancel	Apply		

- (1) Schedule Type: Click ⊽ button, then schedule list will be shown. If you select type which you want, recording information of that type will be shown. You can select type which you want and drag it to designate scope
- 2 Name : It shows selected items in schedule lists.
 - * List order about schedule type
 - 1. Input new name about recording information.
 - 2. Click [color] button to designate different color with other schedules .
 - 3. Adjust record frame, emergency record frame, resolution
 - 4. If you click [Update] button, schedule type list will be registered.
- (3) Frame : It can adjust frame number of recording.
- (4) **Quality** : It can adjust recording quality.
- **5 Resolution** : It can adjust recording display size.
- (6) Emergency Frame : It can adjust frame number in order to record camera picture in emergent situation.
- O Apply to : The selected channel setting value can be applied to all or just selected channels.
- (8) Schedule Timeline : It is schedule timeline to set up time as like week, weekend, holiday. You can select type which you want and drag it to designate scope.

[Note]

• On the KSR-3 series Model, Resolution and recording type .

6.3.2 Recording Schedule

This DVR designate the scope of weekday, Saturday, holiday for recording schedule setup. The period of schedule from current month to following 12 month.

	Setup	NEXT DVR CMS	
	Resource Display Schedule	Event 🚱 Backup 🚉 Network 其 System	
(Damera Schedule Recording Schedule Storage		
	Schedule Type Weekday		
	2007/5 2007/6 2007/7	2007 / 8 2007 / 9 2007 / 10 2007 / 05/02	
	<u>S M T W T F S S M T W T F S</u> <u>S M T W T F S</u> 1 2 3 4 5 1 2 1 2 3 4 5 6 7		
	6 7 8 9 10 11 12 3 4 5 6 7 8 9 8 9 10 11 12 13 14 13 14 15 16 17 18 19 10 11 12 13 14 15 16 15 16 17 18 19 20 21		
0	20 21 22 23 24 25 26 17 18 19 20 21 22 23 22 23 24 25 26 27 28 27 28 29 30 31 24 25 26 27 28 29 30 29 30 31	3 19 20 21 22 23 24 25 16 17 18 19 20 21 22 21 22 23 24 25 26 27 26 27 28 29 30 31 23 24 25 26 27 28 29 28 29 30 31	
(2)	2007/11 2007/12 2008/1	30 30 Server List	
	S M T W T F S S M T W T F S S M T W T F S		
	1 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 6 7 8 9 10 11 12 3 4 5 6 7 8 6 7 8 9 10 11 12 3 4 5 6 7 8 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 6 7 8 9 10 11 12 3 4 5 6 7 8 6 7 8 9 10 11 12 </td <td>2 3 4 5 6 7 8 9 2 3 4 5 6 7 8 6 7 8 9 10 11 12</td> <td></td>	2 3 4 5 6 7 8 9 2 3 4 5 6 7 8 6 7 8 9 10 11 12	
		0 10 11 12 13 14 15 16 9 10 11 12 13 14 15 18 14 15 16 17 18 19 17 18 19 20 21 22 23 16 17 18 19 20 21 22 20 21 22 23 24 25 26 CAMERA1	
	25 26 27 28 29 30 23 24 25 26 27 28 29 27 28 29 30 31 30 31	24 25 26 27 28 29 23 24 25 26 27 28 29 27 28 29 30	
		CAMERA4	
	00 01 02 03 04 05 06 07 08 09 10 11 1. CAMERA1	2 13 14 15 16 17 18 19 20 21 22 23 Continuous	
	CAMERA2	Motion CAMERAS	
	CAMERA3	CAMERA9	
	CAMERA4	Alarm In CAMERA11	
_	CAMERAS	CAMERA12	
3 -	CAMERA6	CAMERA13	
C	CAMERA7	CAMERA15	
	CAMERA8	Apply to 🕑 🕀 🖸 Alarm In (16)	
	CAMERA9 CAMERA10	B larm Out (4)	
	CAMERA11		
	CAMERA12		
	CAMERA13		
	CAMERA14		
	CAMERA15		
	CAMERATO		

① Schedule Type : Click ⊽ button to see recording type list. The type of recording is Weekday, Saturday, Holiday.

(5) Apply to : The selected channel setting value can be applied to all or just selected channels.

Holiday Setup

1. If you want to designate holiday in recording schedule, select schedule type as 'Holiday' then "**Holiday**" button will be shown.

Schedule Type	Holiday	+	Holiday

2. Click "Holiday" for holiday setup.

	Holida	ay Setu	р						×	
_	Holida	ay						List		
F			1	2007 /	5	F		Date	Rotate	
	SUN	MON	TUE	1	10111	FRI	SAT	05/02/2007	No Rotate	
			1	-	3	4	5			
	6	7	8	9	10	11	12			
	13	14	15	16	17	18	19			
J	20	21	22	23	24	25	26			
	27	28	29	30	31					
				Today	,	1		a	•	
	Nota		-							- 11
2-	(Eve Eve Eve Eve Eve 	ry ry] [[day Veek Month /ear	ı.			
	Rang	200 (MA)	007 /	5/	2 (1	WED)	•	 Unlimited Count End 	times	
		Add		Updat	e [De	21		OK Cancel]

(1) Calendar : Select date as holiday.



(2) Repeat period : Regarding designate day, you can select as follows.

No Rotate : Regarding designate day, recognize one day as holiday

- Every [] day : Repeat per day from entered day.
- Every [] Week : Repeat per day from entered week.
- Every [] Month : Repeat per day from entered month.
- Every [] Year : Repeat per day from entered year.

(3) Holiday list : It shows designated dates and repetition period by list .



(4) **Scope** : It is a function to designate holiday period.

Unlimited : not designate scope.

View Count [] times : Set up holiday scope from first designate day.End : Set up holiday scope from first designate day to last designate day.

- (5) Add : Adds date which is designated day. Click "Add" button to add.
- (6) Update : Update holiday information.Click on the "Update" button to update holiday information.
- ⑦ Del : Delete date which is designated day. Click "Del" button to delete.

6.3.3 Storage

It shows list of storages in remote DVR server. (Not available in KSR-304T and KSR-304N.)

Image: Strategy in the strategy	Setu	р		NEXT DV	RCMS				×
Local C Drive System Alloc Size 672 GB Local D Drive Alloc Size 10.72 GB Alloc Size Local C Drive Alloc Size 10.72 GB Alloc Size Local C Drive Alloc Size 10.72 GB Alloc Size Local C Drive Alloc Size 10.72 GB Alloc Size Local M Drive Alloc Size 10.72 GB Alloc Size Local N Drive Alloc Size 10.72 GB Alloc Size Local N Drive Alloc Size 10.72 GB Alloc Size Local N Drive Alloc Size 10.72 GB				Event 🕝	Backup	Netwo	k 🛄	System	*
		Local C Drive 6.72 GB Local D Drive 10.72 GB Local C Drive 464.76 GB Local L Drive 10.72 GB Local M Drive 10.72 GB	System Alloc Size: 6.72 GB Alloc Size: 10.72 GB Alloc Size: 10.72 GB Alloc Size: 10.72 GB Alloc Size:	Alloc Size: 464.76 GB					17:16:41

(1) **Display of disk division** : It shows hard disk list in DVR . Regarding each hard disk, you can check capable hard disk volume and whole volume and the condition of disk division.

6.4 Event

6.4.1 Motion Detection

This Motion Detection uses connected with recording, alarm, emergency when motion is detected.

Setup NEXT DVR CMS	×
Image: Resource Image: Display Image: Schedule Image: Event Image: Schedule Image: Schedul	
Number of Blocks Number of Blocks Detection Level Detection Linked Places Detection Linked Places <th>007705/02 : 17 : 28 DILIDVR) Camera (16) CAMERA1 CAMERA2 CAMERA3 CAMERA3 CAMERA3 CAMERA5 CAMERA5 CAMERA6 CAMERA6 CAMERA12 CAMERA12 CAMERA12 CAMERA13 CAMERA13 CAMERA13 CAMERA14 CAMERA14 CAMERA15 CAMERA15 CAMERA16 CAMERA17 CAMERA16</th>	007705/02 : 17 : 28 DILIDVR) Camera (16) CAMERA1 CAMERA2 CAMERA3 CAMERA3 CAMERA3 CAMERA5 CAMERA5 CAMERA6 CAMERA6 CAMERA12 CAMERA12 CAMERA12 CAMERA13 CAMERA13 CAMERA13 CAMERA14 CAMERA14 CAMERA15 CAMERA15 CAMERA16 CAMERA17 CAMERA16

- (1) Camera : Select channel to setup camera.
- (2) Motion Detection Area : Designate scope of motion detection area to see movement of picture in camera. It will be marked green color.

Motion detection scope designation : Click mouse left button to designate the area of motion detection

Motion detection scope cancellation: Click mouse right button to cancel the area of motion detection

- (3) Number of Blocks : It can set up number of blocks to occur motion detection event. (Not available in KSR-304T and KSR-304N.)
- (4) Detection level : it can set up detection level about motion detection area.
- **(5) Pre Rec Time** : It is a function of recording on basis of motion detection event pre-time.
- (6) **Pre Rec Time** : It is a function of recording on basis of motion detection event post-time.
- (7) Use Beep : It makes beef when movement is found in motion detection area.
- (8) Linked Camera : Select camera which will connect with motion detection type camera. If motion detection type camera detect any movement, it will record with selected camera.
- (9) Linked PTZ Setting : If motion detection type camera detect any movement, it point the location of PTZ camera's preset, then select preset information. (Not available in KSR-304T and KSR-304N.)
- (1) Linked Alarm Out : Select alarm out to connect with camera which is set up motion detection. (Not available in KSR-304T and KSR-304N.)
- (1) Apply to : The selected channel setting value can be applied to all or just selected channels.

6.4.2 Object Watch

This function is used to find out when and which objects appear or disappear in a selected area. Object watch can use with alarm, continuous camera recording, PTZ. (Not available in KSR-304T and KSR-304N.)

1	Setup	wp NEXT DVR CMS X												
	Resource Motion Detection	Display Object Watch	Schedule Alarm In	Event Emergene	cy Vide	p Net	etwork	System	0 0					
2 7 8 9 10	Use Beep Linked Camera –	lo Sig		Z 13 14 15 16	Level 4	5 sec 5 sec 11 per of Blocks	Scr16		2007/05/02 17:17:41 Carrera (16) Camera ((1)				

- 1 Camera : Select channel to setup camera.
- (2) Object Watch Area : Designate scope of object watch area to see object emerge or not. It will be marked green color.

Motion detection scope designation : Click mouse left button to designate the area of object watch **Motion detection scope cancellation**: Click mouse right button to cancel the area of object watch .

- 3 Number of Blocks : It can set up number of blocks to occur object watch event.
- **4 Detection level** : it can set up detection level about object watch area.
- (5) **Pre Rec Time** : It is a function of recording on basis of object watch event pre-time.
- 6 Pre Rec Time : It is a function of recording on basis of object watch event post-time.
- **7** Use Beep : It makes beef when movement is found in object watch area .
- (8) Linked Camera : Select camera which will connect with object watch type camera. If object watch type camera detect any movement, it will record with selected camera.
- (9) Linked PTZ Setting : If motion object watch type camera detect any movement, it point the location of PTZ camera's preset, then select preset information.
- 10 Linked Alarm Out : Select alarm out to connect with camera which is set up object watch .
- (1) Apply to : The selected channel setting value can be applied to all or just selected channels.

6.4.3 Alarm In

Alarm in recognize emergency in outer area and use with recording, alarm, PTZ control. (Not available in KSR-304T and KSR-304N.)

Setup NEXT DVR CMS	×
Image: Second control of the second control	0
Motion Detection Object Watch Alarm In Emergency Video Loss E-Mail	2007/05/02 20 : 09 : 01
3 Name All	
Pre Rec Time 5 sec Post Rec Time 5 sec	Server List
5 Linked Camera 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	CAMERAÍ CAMERA2 CAMERA3 CAMERA3 CAMERA4 CAMERA5 CAMERA5
6 Camera Camera 1 + Preset Preset 1 +	CAMERA9 CAMERA9 CAMERA9 CAMERA10 CAMERA10 CAMERA12 CAMERA13
Inked Alarm Out Image: Inked Alarm Out	CAMERA14 CAMERA14 CAMERA15 CAMERA16 B C Alarm In (16) B Alarm Out (4)
CMS Setting OK Cancel Apply	

- **1** Alarm-In : Select channel to setup Alarm-In.
- **2** Use : Select Alarm use or not.
- (3) Name : Input the name of area which Alarm in is installed.
- (4) Linked Camera (Pre &Post Alarm) : Input pre-record time and Post pre-record time which will be connected with alarm-in
- (5) Linked camera : Select camera which is linked with alarm in. It records connected camera together when event occurs.
- **(6)** Linked PTZ Setting : You can select PTZ camera which is linked with alarm in.
- (7) Linked Alarm Out : You can set up emergency sound make when alarm in make event.

6.4.4 Emergency

Emergency mean motion detection, video loss, alarm in. Each channel has a function that it set up emergency and record and send situation to remote area when event occurs. (Not available in KSR-304T and KSR-304N.)



- (1) Motion : Select channel that motion event will set up emergency. It is a function that it send high resolution record to remote area when event occurs.
- 2 Video Loss : Select channel that video loss will set up emergency. It is a function that it send record to remote area when event occurs.
- (3) Alarm-In : Select channel that Alarm-in event will set up emergency. It is a function that it send high resolution record to remote area when event occurs.

6.4.5 Video Loss

Video loss check about no picture input problem cased by camera problem or compulsory removal . When video loss occurs, you can use it linked with camera recording, alarm, PTZ camera control. (Not available in KSR-304T and KSR-304N.)

(<u> </u>					VRCMS	,			×	
Resource	Display	Schedule	*	Event	Backu	p P	Network	System	l° í	
Motion Detection	Object Watch	Alarm In	1	Emergency	Vide	o Loss	E-Mail			
Camera Linked Camera 23 Linked PTZ Settin Camera Preset	4 5 6 7 9 Camera 1 Preset 1		1 12	13 14 15	16				2007/05/02 17:18:37 2007/05/02 2007/05/	-(1
	_					(
	Beep Used Camera	Camera CAMERA1 Clinked Camera CLinked Camera Camera Camera 1 Preset Preset 1 Camera 1 Preset 2 4 5 6 2 Camera 1 Preset 2 4 Camera 1 Preset 2 4 Camera 1 Preset 2 4 Camera 1 Camera 1	Beep Used Camera Chill 2 3 4 5 6 7 8 9 10 1 Clinked PTZ Setting Camera Preset Preset Camera Camera 1	Beep Used Camera Linked Camera Linked PTZ Setting Camera Camera Camera Camera Camera Preset Preset Preset Linked Alarm Out 1 2 3 4		Beep Used Camera AMERA1 Cunked Camera Linked PTZ Setting Camera @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @	Beep Used Camera Cam	Beep Used Camera AMERA1 Unked Camera Unked Amera Unked PIZ Setting Camera Preset Preset Preset Preset Unked Alarn Out 1 2 3 4	Beep Used Camera AMERA1 Unked Camera Unked PIZ Setting Camera Preset Preset Preset Preset Dinked Alarn Out 1 2 3 4	Beep Used 2007/05/02 Camera AMEFA1 Linked Camera Image: Camera 1 Linked PIZ Setting Image: Camera 1 Camera Camera 1 Preset Preset 1 Image: Camera 1 Image: Camera 2 Image: Camera 2 Image: Camera 2

- (1) **Camera** : Select channel to setup camera.
- (2) Beep used : Check this box to use alarm.
- (3) **Camera** : mark the name of selected camera.
- (4) Linked camera : You can designate camera which will be linked with video loss. When video loss occurs, PTZ camera sigh designated direction to preset number.
- (5) Linked PTZ Setting : You can designate PTZ camera which will be linked with video loss. When video loss occurs, PTZ camera sigh designated direction to preset number.
- (6) Linked Alarm Out :You can designate alarm out which will be linked with video loss. When video loss occurs, you can set up making of emergency sound in alarm out.

6.4.6 E-mail

It is a function of notice administer to e-mail when emergency or other problems is occurred. E-mail notice can be use both each person notice and group notice.

(Not available in KSR-304T and KSR-304N.)

Setup				NEX	TDVR	CMS					×	ζ
Resource Motion Detection	Display Object Watch		hedule 😥 Iarm In	Event Emergen	Cy	Backup Video L	.oss	Network	D il	System		0
 Mailing List Name Name Receiver To CC Subject Sender Name E-Mail Address Server(SMTP) Notification Items Emergency Motion 1 2 3 Alarm In 1 2 3 	Event Message Operatorl @Addice Operatorl @Addice Operatorl @Addice C <event message2<br="">admin admin@kodicom.on @ Event 4 5 6 7 4 5 6 7</event>	om.com m.com >>	 Mail Auth ID Password 11 12 13 11 12 13 			Mailing List	5 Name Event Mes	ift Del	6		2007/05/02 17 : 20 : 31	•
CMS Setti	ng						OK	Cance		Apply		

- (1) Mail list name : Input name of who will be added in the mail list.
- Mail setup : Input Receiver, CC, Subject.
 Receiver : Input receiver's mail address.
 CC : Input CC's mail address.
 Subject : Input title of message.
- (3) Mail server setup : Input information of server name, Mail address. ID, Password etc. Sender name : Input address of sender name. Mail address : Input Mail address of sender. Server (SMTP) : Input server address of sender. Server Authentication : If server uses password identification to access mail address. ID : Input ID for SMTP. Password : Input password for SMTP.
- (4) Notification Item : Select notification item between "emergency" and "event". Select channel which will inform by e-mail when event, video loss, motion detection has occurred.
- (5) Mail address manage : Here you can manage e-mail groups.
- (6) Mail list : Mail list can be added, updated or deleted.
 Add: Add list in mail list.
 Update : Edit the information of an account in the mail list.
 Delete : Delete item from the mail list.



- (1) Name : Input the contact name you wish to search for.
- (2) Search : Click the button to start the search.
- (3) Mail list : Displays all registered contact names and e-mail addresses in a list.
- 4 Add : Add new user name and e-mail address.
- **(5) Del** : Delete the selected user from the list.
- (6) Group Name : Select a group name from the drop down menu, all e-mail contacts connected to the group name will then appear below in the group list.
- **(7)** Group list : Displays all e-mail contacts in current selected group.
- 8 Add : Add a new group.
- **9 Del** : Delete selected group.
- **10** Add : Add selected e-mail contact from mail list to add to a group list.
- **Del** : Delete selected e-mail contact from the group list.
6.5 Backup

6.5.1 Backup Schedule

Backup Schedule can backup with designated backup media at decided time. You can set up backup schedule by selection of backup time, repeated rotation period, backup media.

1	Setup NEXT DVR CMS	X
1	💷 Resource 🔲 Display 🛞 Schedule 😹 Event 🔞 Backup 📇 Network 🛄 System	° ,
	Backup Schedule	
لے		
(1	Backup List Backup List	2007/05/02
	No Backup Lis Start Time Range Daily 1 Bstoup01 17:10:43 17:20143-17:20143	17:22:58
	Start Time 17 : 10 : 43 🗢	
لم	Time Range 17 : 00 : 43 🗢 ~ 17 : 01 : 43 🗢	0000
(2	O Weekly	Server List
	Start Time 17 : 22 : 22	Camera (16)
	Time Range • 17 : 22 : 22 - ~	CAMERA2
	• 17 : 22 : 22 ਦ	CAMERA4
	Destination Server ND01	CAMERA6
(3		CAMERA7
Ÿ	Device [K:\-CD-RW GCE-8527B HL-DT-ST •	CAMERA9
	Path KA	CAMERA11
	Option	CAMERA13
2	Continuous D Motion	CAMERA15
(4	✓ alarm ✓ Event Backup ✓ Pre Rec ✓ Audio	🗷 🖸 Alarm In (16)
		🗄 🌰 Alarm Out (4)
(5		
٦	Add Edit Del	
	(7) (8) (9)	
ļ		
	CMS Setting OK Cancel Apply	

(1) Backup list name : Input backup name which will be added to the backup list.

(2) Time : Select "Daily", "Weekly", "Monthly" or "Yearly" and the repetition period. Then select the start and end time range.

Start Time : Enter the time you wish to start the backup. (Must be after end time range)Start Time Range : Enter the start time range for the backup period.End Time Range : Enter the end time range for the backup period.

(3) Destination : Enter the details for where the backup is to be made.
 Server : Select the DVR server on which the backup will be made.
 Media type : Select backup media on which backup data will be stored.

HDD	+
HDD	A
CD Write	
DVD Write	
Network Drive	-

Device : Select the drive path for the type of media on DVR server. **Path** : Select the path which the backup will be made.

- **(4)Option** : Make a backup by an event category.
- **(5)** Camera : Select the camera or channel to backup.
- (6) Backup list : It shows the backup details for the time, cycle period and backup media. The backup will start in order according to time which is set up in the backup list.
- **(7)** Add : After entering a backup schedule, click on the **"Add"** button.
- (8) Update : Select to update a backup in the list, click on the "Update" button.
- (9) Delete : Select backup to delete from the list, click on the "Delete" button.

6.6 Network

6.6.1 Connection

This DVR can set up network components to provide video/audio streaming function and remote control in network. (Not available in KSR-304T and KSR-304N.)

Setup						NEX	TDVRO	C M S					>
(IIII)	Resource	Display	8	Schedule	*	Event	(2) B	ackup	-	Network		System	0
Co	nnection	DDNS		Stream C	ontrol	Emerge	ency Monito	r					
	CMS Support	21 25 21 iil need to rebo rver Address A fe S C on 64 H idth ie 10	0 , 12 5 , 25 0 , 12 0 , 12	1 177 . 5 255 . 1 177 . rform this ope . . ally . . . 6 . . . 100 Mbps . . .	1 0								2007/05/02 17:23:07 Convertist Converti
	CMS Setting							_	ОК	Cano	el	Apply	

- (1) Obtain an IP address automatically (DHCP) : Dynamic address assignment is a type of receiving address from DHCP. DVR which receive address automatically from DHCP server set up network address in system.
- (2) Obtain DNS Server Address automatically : Input IP address to main DNS server and assistant DNS server.

[Note]

• Please contact network administer or internet service provider if you don't know ip address or network structure.

(3) Stream bandwidth : You can control transferring speed from network .

(4) Max acceptable : you can set up client number.

[Note]

• if a lot of users connect and watch it, the basis function of system will be disturbed. It is useful for control of user number. If many user connect at once, it will denial of entry.

(5) WEB DVR Support : Select to enable or disable the Web DVR facility.

(6)CMS Support : Select to enable or disable the CMS software connection.

Port Number : Input network port to transfer live video. Click "Check" button to now permission or not of network herb.

6.6.2 DDNS

DVR system which is connected by DDNS does not require a static IP address, therefore the system can be connected to ADSL line with a dynamic IP. (Not available in KSR-304T and KSR-304N.)

- (1) Account : Input ID and Password for the DDNS server.
- 2 Server Address : Input the address of server which provides DDNS service.
- **3** Server Port : Input port number of DDNS server.
- (4) Client Port : Input client port number of DDNS.
- **(5)** Update Time : Input update time of DDNS information.
- (6) Use DDNS : Check this box to use DDNS.

6.6.3 Stream Control

Set the Stream control for all cameras by frame rate, resolution and quality.

(Not available in KSR-304T and KSR-304N.)

S	etup					NEXT DVR	CMS					×
	fin Resou	ırce	Display	Schedu	le 😹 I	Event 🔞	Backup	949	Network		System	• •
	Connecti	on	DDNS	Stream	n Control	Emergency Mor	itor					
	(1)	2	3		(4)	(5)						
	Use	Camera	Frame		Resolution	Quality						2007/05/02
	0	All Camera		_ 1	352×288		•]					17:23:58
	0	Camera 1	D	10	352x288		5					
	0	Camera 2	D	10	352x288							200 31
	0	Camera 3		10	352x288	Normal 1	1					Server List
		Camera 4		10	352x288	Normal •	-					B- 🗐 ND01(DVR) B- 🔤 Camera (16)
		Camera 5	D	10	352x288	Normal 4	-					CAMERA1
		Camera 6	D	10	352×288	Normal	กี					CAMERA2
		Camera 7	D	10	352x288	Normal 4	-					CAMERA4
		Camera 8		10	352x288	Normal 1	-					CAMERA5
		Camera 9	D	10	352x288	Normal 1	-					CAMERA7
		Camera 10	D	10	352x288	Normal •	-					CAMERA9
		Camera 11	D	10	352x288	Normal 1	-					CAMERA10
		Camera 12		10	352x288	Normal •	•					CAMERA12
		Camera 13	D	10	352x288	Normal 4	•					CAMERA13
		Camera 14		10	352x288	Normal 4	•					CAMERA15
		Camera 15	D	10	352x288	Normal •	•					CAMERA16
		Camera 16	D	10	352x288	Normal •	•					🗄 🥧 Alarm Out (4)
		15 Setting						ОК	Canc	el 🗌	Apply	

(1) Use : Select camera which you want to use transfer control.

2 Camera : It shows each camera number.

3 Remote frame : Control the frame rate which is transferred by each camera across the network.

(4) **Remote resolution**: Set the resolution size to be transferred by each camera across the network.

(5) Remote quality : Set the quality of picture to be transferred by each camera across the network.

6.6.4 Emergency Monitor

This function transfers the pictures and data to Emergency Monitor on the client computer when emergency or event occurs. You have to set up remote IP address, port number, and picture transfer time. (Not available in KSR-304T and KSR-304N.)

Image: Stream Control Connection Isin Resource Image: Connection Isin Resource Image: Connection Isin Resource Image: Connection Isin Resource Image: Connection Isin Resource Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection Image: Connection	Setup	NEXT DVR CMS	X
List Name Emergency Emergency Stream Transfer List 2007/05/02 1 Name Emergency Stream Transfer List 17:24:47 2 Port 12005 Emergency Stream Transfer Time 2007/05/02 17:24:47 3 Transfer Time 0 hour 0 min 3 eccAmERA1 4 Motion 0 is 5 CAMERA2 CAMERA3 4 S S S S S CAMERA3 4 Video Loss S<	Resource Display Schedule	Event 🚱 Backup 📑 Network 🗐 System)^
Image: Second Secon	Connection DDNS Stream Control	Emergency Monitor	
CMS Setting OK Cancel Apply	 Name Emergency Remote Address Address 20.121.176.24 Port 12005 Emergency Stream Transfer Time Transfer Time 0 • hour 0 • min 3 • sec Notification Items Emergency • Event Motion P 5 6 5 6 7 8 9 10 11 2 3 16 3 16 Video Loss P 5 6 5 6 7 8 9 10 11 2 3 16 3 16 Alarm in P 5 6 5 6 7 8 9 10 11 2 3 16 3 16 	5	17:24:47

- (1) Emergency Monitor Name : Input the Emergency Monitor setup name for the account.
- (2) Emergency Monitor Address : Input address information of Emergency Monitor. Address: Input IP address of remote client computer. Port : Input port number for transfer to remote client computer.
- (3) Emergency Monitor Dwell Time : Set up dwell time of Picture and event information on remote client computer when emergency or event occurs.
- (4) Notification Item : Select emergency monitor transfer method. Emergency Monitor has two types of method :'Emergency' and 'Event. Select channel to inform Emergency monitor for the options motion detection, video loss, alarm in.
- (5) Emergency Monitor List : Emergency Monitor accounts can be added, deleted and edited.

Add : Add account in Emergency Monitor list.

Edit : Edit existing account in the Emergency Monitor list.

Delete : Delete account in Emergency Monitor list.

6.7 System

6.7.1 User

Manage users and groups. This function can limit the authority of a user or group to manage the DVR, which enables the user to administer the unit effectively.

	Setup			NEX	T DVR CMS			X	
	Resource	Display	Schedule	Event	Backup	Network	k 📑 Syster	n Ó	
	User	Log	Date Time	Etc	Infor	mation			
1	Group List Administr Power Us Restricte Standard	Description	Name [Password [Phone [E-Mail [Description]	admin		Group		2007/05/02 19:56:49	3
	Add	Del	Server Server Stop	DB Alloc				B B ND01(DVR) B Camera (16) CAMERA1 CAMERA2 CAMERA3 CAMERA4 CAMERA5	4
	User Lin User Name Jadmin	Description	C Login	 ✓ Instant Playba ✓ Backup 	ick 🗹 PTZ Control	C. LIVE.	Recording	CAMERA6	5
2	Add	Del	Comera	Camera Motion Network Information	 Alarm Emergency DDNS Audio 8 9 1 	External Monitor Video Loss Stream Control Emergency Moni	 ✓ Notification ✓ Setting 	CAMERA12 CAMERA13 CAMERA14 CAMERA15 CAMERA16 CAMERA16 CAMERA16 CAMERA16 CAMERA16 Alarm In (16)	
	CMS Set			CLEBERGE			incel Apply		
(1) Group list	t : Displays	current gro	up accoun	ts. Groups	s can be ado	ded or dele	eted from the list.	
2	(2) User list : Displays current user accounts. Users can be added or deleted from the list.								
3	Nar Grc Pas Uso Pas Ad Tel E-n	me : Enter oup : Selec ssword : E e Passwor ssword Ex vanced Pa ephone : E nail : Enter	the name of t the group nter the use d Expiry Date	the user. category a r password ate : Set up Set up the piry Date : ephone nui address of	ppropriate d. o the pass use by da : Set up th mber of th the user.	e to the user word expiry ite for the pa e alarm fun e user.	• access le • function. assword.	ea of data input for a vel. e the expired date.	new user.

- Server : Stops the user authorization to interfere with DVR server DB allocation options.
 Shut down: Whether the user can exit the DVR software or shutdown the system.
 DB Alloc : Whether user can allocate DB changes on the hard disk in the DVR server.
- (5) Watch : Set user authorization from login, 1ch playback, PTZ control, covert camera and Recording functions in live mode.
 Login : Allocate authorization to login when in live screen.
 Instant Playback : Allocate authorization to use 1ch playback.
 PTZ control : Allocate authorization to control PTZ.
 Covert Channel Live : Allocate authorization to see covert channels.
 Instant Recording : Allocate authorization to use instant recording.

p		NEX	TDVRCMS				×
Resource Disp	lay Schedule	Event	Backu	Networ	k 🛄	System	° °
User Log	Date Time	Etc	Infor	mation		24	
Group List	Account						
Group Name Description	Name	admin		Group		•	2007/05/02 19:56:49
Administr	Password						19:30:49
Power Us Restricte	Phone						
Standard	E-Mail						
	Description						Server List
	Permission						ND01(DVR) Camera (16)
	Server						CAMERA1
	Stop	DB Alloc					CAMERA3
Add Del	Watch						CAMERA4
User List	🛛 🖂 Login	🖌 Instant Playba	ick 🖌 PTZ Control	Covert Channel	Recording	ng	CAMERA6
User Name Description	Search					-	CAMERA7
admin	√ Login	Backup	Covert Chan	nel Search			CAMERA9
		-					CAMERA11
	Setup	🖌 Camera	🖌 Alarm	🖌 External Monitor	r 🗹 Camera Schedul		CAMERA12
				the second s			CAMERA14
	Recording Schedule	Motion	Emergency	Video Loss	Notificat	tion	CAMERA16
	🖌 Backup	🖌 Network	DDNS	Stream Control	Setting		 ■ ⊡ Alarm In (16) ■ ▲ Alarm Out (4)
	☑ Date/Time	✓ Information	🖌 Audio	🖌 Emergency Mon	itor		Const. Const. Const. Const. Const. Const. Const. Const.
	Camera					_	
Add Del	1 2 3	4 5 6	7 8 9	10 11 12 13	14 15 1	6	
CMS Setting		CTOLDUTE.		ОК Са	ancel	Apply	

(6) Search : Allow user authorization for login, backup, protection camera features in search mode.
 Login : Allocate authorization to login when in the search menu.
 Backup : Allocate authorization to make a backup.
 Covert Channel Search : Allocate authorization to see covert channel.

(7) Setup : Allow user authorization to change composition for the DVR system setup. Login : Allocate authorization to login when in the setup menu. Camera : Allocate authorization to set up camera options. Alarm : Allocate authorization to set up sensor (alarm-in) and alarm (alarm-out) options. External monitor : Allocate authorization to set up external monitor options. Camera Schedule : Allocate authorization for recording schedule setup. Recording Schedule : Allocate authorization to set up recording options. Motion : Allocate authorization to set up motion detection options. **Emergency** : Allocate authorization to emergency setup. Video Loss : Allow authority to set up video loss. Notification : Allocate authorization to Notification setup. Backup : Allocate authorization to make a backup. Network : Allocate authorization to set up network connection. DDNS : Allow authority to set up DDNS. Stream Control : Allow authority to set up stream control. Setting : Allocate authorization to set up watermark, recording speed, system restarting and language features. Data/Time : Allow authority to set up the system data and time. Information : Allocate authorization to see the system OS, hardware and DVR program information. Audio : Allocate authorization to set up live audio and recording options. **Emergency Monitor** : Allow authority to set up the emergency notice function.

(8) Camera : Allocate authorization to which cameras can be watched and searched.

Setup	a nev	v group	account
-------	-------	---------	---------

1. Click on the "Add" button to add a new group name.



2. Input the name and description of the group for account information.

Add group	×
Name	Operator
Description	
	OK Cancel

3. If you click on the "**OK**" button, the group will be added to the group list.

Group	.ist —	
Group	Name	Description
	nistr	
Oper		
	er Us ricte	
	dard	
A	dd	Del

Delete a group	account
----------------	---------

1. Select the group you wish to delete.



- 2. Click on the "Del" button.
- 3. When the message box is shown as below, click on the "Yes" button.

Setup	X
Do you want delete this group?	
Yes No	

4. Confirm that the group has been deleted from the group list.

Group List ——		
Group Name Administr Power Us	Description	
Restricte Standard		
Add	Del	
	Group Name Administr Power Us Restricte Standard	Group Name Description Administr Power Us Restricte Standard

Set up a new user account

1. Click on the "Add" button to add a user account.



2. Enter the user name, password, group, phone, e-mail and description.

Add user Accou	int X
Name	DVR1
Password	***
Group	Standard Users 🔹
Phone	011-123-1234
E-Mail	DVR1@kodicom.com
Description	
	OK Cancel

3. Click on the "OK" button and the user will be added to the user list.

Jser List ——	
User Name	Description
DVR1	
admin	
Add	Del

Delete a user account

1. Select the user name you wish to delete.



- 2. Click on the "Del" button.
- 3. When the message is shown as below, click on the "Yes" button.

Setup	X
Do you want delete this user?	
Yes No	

4. You can confirm that the user account has been deleted in the user list.

User List	
User Name	Description
admin	
Add	Del

Set up authorization level for group accounts

1. Select the group for which you wish to allocate authorization changes in the group list.



2. Adjust the group authorization in the permission menus.

Group Name Description	Name	Administrators			
Administr Power Us Restricte Standard	Description				
	I				
	Permission				
	Server				
	Stop	DB Alloc			
Add Del	Watch			Covert Channel	Instant
Jser List	🖌 Login	🖌 Instant Playbaci	k 🖌 PTZ Control	Live	Recording
User Name Description	Search				
	🖌 Login	🖌 Backup	🖌 Covert Chann	nel Search	
	Setup				
	🖌 Login	🖌 Camera	🖌 Alarm	🖌 External Monitor	Camera Schedule
	Recording Schedule	Motion	Emergency	🖌 Video Loss	Notification
	🖌 Backup	Network	Ø DDNS	🖌 Stream Control	Setting
	☑ Date/Time	✓ Information	🖌 Audio	🖌 Emergency Monit	or
	Camera				
Add Del	123	4 5 6 7	/ 8 9 1	0 11 12 13	14 15 16

3. Click on the " \mathbf{OK} " button to save the changes in authorization.

Set up individual user account authorization level

- User List
 User Name Description
 admin
 Add Del
- 1. Select the user account for which you wish to configure authorization changes.

2. Adjust the user authorization in the permission menus.

[

Group List	Account				
Group Name Description	Name	admin		Group	*
Administr Power Us	Password				
Restricte	Phone				
Standard	E-Mail				
	Description				
	Permission)
	Server				
	Stop	DB Alloc			
Add Del	Watch				
User List	🗹 Login	🖌 Instant Playba	ck 🖌 PTZ Control	Covert Channel Live	Recording
User Name Description	Search				
admin	🖂 Login	🖌 Backup	🗹 Covert Chan	nel Search	
	Setup				
	🗹 Login	🖌 Camera	🖌 Alarm	🖌 External Monitor	Camera Schedule
	Recording Schedule	Motion	🖌 Emergency	🖌 Video Loss	✓ Notification
	🖌 Backup	☑ Network	Ø DDNS	🖌 Stream Control	Setting
	☑ Date/Time	✓ Information	🖌 Audio	🖌 Emergency Monit	or
	Camera				
Add Del		4 5 6	7 8 9 1	0 11 12 13	14 15 16

3. Click on the " \mathbf{OK} " button to save the changes in authorization.

6.7.2 Log

It is a function to record a series of contents. When DVR system is operated or not operated, it will be recorded in system log. (Not available in KSR-304T and KSR-304N.)



(1) Option : Set up Log Path and Duration.

- Log Path : It shows path which log will restored. Click "Browse" button to select path which log will restore.
- **Duration** : Input duration period to log file. If you set up duration period, it will be maintained until period. If duration period is expired, log data will be disappeared.

(2) Item : You can select items which you want search when you search log.

System : It shows the information of system condition.

Network : It shows remote program connecting, network condition.

Video : It shows information of live pictures.

DB : It shows information of DB condition .

Setup : It shows contents that user change system .

 $\ensuremath{\textbf{Backup}}$: It shows information of local backup and remote backup.

Alarm In : It shows channel and time which alarm in is started Alarm Out : It shows channel and time which alarm in is started

Notification : It shows emergency and some issue which comes from external area .

3 Date/Time Filter : It is a function to print log data in checked scope.
 Range : Select scope of date in log list.
 Start : Select time and date which you want to start.
 End : Select time and date which you want to end.

Search : Click "Search" button, then you can search log data within checked scope

Category Filter : Select data which is coincide with level and type.
 Level : Select level of importance in log list.
 Type : Select type of log item.

tup	Y	Display	😧 s	hedule	Event	Ø	Backup		Network		System	0
-	User	Log		ate Time	Etc.		Inform			5		
_	User	Log	U	ate lime	Etc		Informa	ation			_	
1.5	otion			Item		_			_			
3	File Path C:\Log		Brow	2 V S	ystem	\checkmark	Network		🖌 Video			2007/05/02
1	Duration 30	Day		V (рВ	\checkmark	Setup		🖌 Backup			17:25:35
					larm In		Alarm Out		Notificati	20		
						0	Autor		E Houncada			
Log	g View											202
	Date/Time Filter							Catego	ry Filter			Server List
	Range	Start	2007 / 5 /	1 (TUE) +	17 : 25 : 26	÷.		Level	All	*		E IND01(DVR)
		End C	2007 / 6 1	2 (WED) +			Search	Turn		•		Camera (16
	1 Day 🔸	End	2007 / 5 /	2 (WED) •	17 : 25 : 26			Type	All	•		
							_					
	View Count 100	(6)		1/2	M	Go	oto Pr	int	Save			CAMERA
				1.				= 7		8)		CAMERA
	Date/Time		.evel	Туре	Contents			<u> </u>	<u> </u>	\sim		
	05/01/2007 18:00:15 05/01/2007 19:01:15		Normal Normal	System					e.windows.com			- CAMERA
	05/01/2007 19:01:15		Normal Normal	System					e.windows.com			CAMERA
	05/01/2007 21:03:15		Normal	System System					e.windows.com e.windows.com			CAMERA
	05/01/2007 22:04:15		Normal	System					e.windows.com		8	CAMERA
	05/01/2007 23:05:15		Normal	System					e.windows.com			CAMERA
	05/02/2007 00:06:15		Normal	System					e.windows.com			CAMERA
	05/02/2007 01:07:15		Normal	System					e.windows.com			CAMERA
	05/02/2007 02:08:15	\sim	Normal	System					e.windows.com			CAMERA
	05/02/2007 03:09:10		Normal	System			ync with time					CAMERA
	05/02/2007 03:09:10		Normal	System			y system time					CAMERA
	05/02/2007 03:09:11		Normal	System	capture i		0					E G Alarm In (1)
	05/02/2007 04:10:15		Normal	System			update failur	e with tim	e.windows.com	n		Alarm Out (
	05/02/2007 05:11:15		Normal	System					e.windows.com			
	05/02/2007 05:16:19		Normal	System					rwirte[ci:6][pat]			
	05/02/2007 06:12:10		Normal	System	run inter	net time s	sync with time	.windows	.com			
	05/02/2007 06:12:10		Normal	System	capture s	topped b	y system time	rollback.				
	05/02/2007 06:12:10		Normal	System	capture i	estart.						
	05/02/2007 06:13:01		Normal	System	partition	is full. run	n move partiti	on or ove	rwirte[ci:3][pat]	5		
	05/02/2007 07:10:01		Normal	System	partition	is full. run	n move partiti	on or ove	rwirte[ci:5][pat]	1		
	05/02/2007 07:13:10		Normal	System			sync with time		.com	_		
l	05/02/2007 07:13:10		Normal	System	capture s	topped b	<u>y system time</u>	rollback.				
				U IL II IL IU II				1 S N S			ALC: NO	
	CMS Setting							OK	Canc	el	Apply	

(5) View Count : Select total line numbers which can show

6 Page control : it used when you convert log list page.



⁷ Print : Print log data.

(8) Save as : Copy log data with another media.

(9) Log List : It shows the list of founded log data .

6.7.3 Date/Time

You can set up date and time. Select Date/time set up and save current date and time by NTP server. (Not available in KSR-304T and KSR-304N.)

1	Setup			NE	TDV	RCMS					X
	Resource User	Log	Schedule Date Time	Event	٢	Backup Informa		Network		System	•
(1	- Date/Time Setup — Date/Time Time Zone	2007 / 5 / : (GMT+09:00) Seoul	Local	: 25 : 41 🜩	Get Interr Update	iet Time) (U	pdate]			2007/05/02 17 : 25 : 46
2	Server Server	time.windows.com	n 🔸 Add	Del]			Server List D- ND01(DVR) D- Camera (16)
3	one of the option	P 1 hour 1 day about to set the system s below to complete system time and delet pt new system time, c	te data recorded betwe do not delete previousl corded time.(Data will	ue earlier than the o en the current time y recorded data, ar	and the ne	wly set time.	nly				CAMERAI CAMERAS CAMERAS CAMERAS CAMERAS CAMERAS CAMERAS CAMERAS CAMERAS CAMERAS CAMERAS CAMERAI CAMERAI CAMERAI CAMERAIS CAMERAS
	CMS Settir	ng		onua			ОК	Cance	21	Apply	

1 Date/Time Setup : You can set up current date and time by use of .

Data/Time : You can select current time by hands or get current time from NTP server. And you can adjust current time which received from NTP server to system. Click "**Get Internet Time**" button to receive current time, and click "**Update**" button to adjust system.

Time Zone : After you select current time, click "Update" button.

- (2) **Time Server** : Input address of server "NTP (Network Time Server)" At first. Input NPT server address and click "Add" button, then NTP server will be added. If you want to delete NTP address, select NTP server will be deleted, then click "Del" button.
- (3) Automatic Setup : It is a function of Time Setting When Reboot and Schedule Time Setting .

Time Setting When Reboot : It reset time and NTP server when reboot. **Schedule Time Setting** : It reset time and NTP server when schedule time setting .

(4) **Overwrite option** : when you set previous time than current time, you can decide whether delete recorded data or not. First option is that previous time will be deleted and adjust time. Second option is that you will not delete and you ignore time-gap record. But record will be played when the scope of recorded time and system time is concurrent each other.

6.7.4 Etc

Iter Resource Display User Log Date Time Etc Information Information </th <th>Setup NEXT DVR CMS</th> <th>×</th>	Setup NEXT DVR CMS	×
Auto Delete Use Auto Delete ① Use Auto Delete ① B fleetuition Time ③ Hour(s) ● (The maximum retention time is 6 months.) Video Format ③ O'NTSC ● AL ('the system will need to reboot to perform this operation.) ● Cycle ① Do Cycle ③ ● Deatarm Out Alarm Out ● Alarm Out ● Import/Export Configuration ● Configuration ● Configuration ● Configuration ● Destup ● Destup ● Statem Will need to reboot to perform this operation.) ● Configuration ● Destup ● non ● Destup ● Destup ● Destup ● Destup <td>🖽 Resource 🖳 Display 😥 Schedule 🧩 Event 🔞 Backup 🚔 Network 📑</td> <td>System</td>	🖽 Resource 🖳 Display 😥 Schedule 🧩 Event 🔞 Backup 🚔 Network 📑	System
1 Use Auto Delete DB Retention Time DB Retention Time The maximum retention time is 6 months.) Watermark Use Impact Seconding Type Once OperAlarm Out Alarm Out Impact/Export Configuration Impact/Export Onfloating Impact/Export Configuration Configuration Configuration Configuration Configuration Configuration Configuration Configuration Configuration Configuration Configuration Config	User Log Date Time Etc Information	
CMS Setting OK Cancel Apply	Auto Delete Ure Auto Delete DB Reention Time (The maximum retention time is 6 months.) Video Format O NTSC O PAL (The system will need to reboot to perform this operation.) Recording Type O Once O Once O Once O Once O Once O Ure Alarm Out Alarm Out Alarm Out D well Time D w	2 17:26:01 Sover Lit Camera (15) Camera

(1) Auto Delete : This is the auto delete data function after DB retention time.

Use Auto Delete : Set up auto delete function.

DB Retention Time : Set up DB retention time.

Watermark : Set whether watermark feature is encrypted with recorded data.

Watermark : Enable or disable watermark feature.

Display : When recorded picture is played back the display will indicate that watermark is used.

Jose [Note]

• Watermark encrypts the data so when anyone tries to alter the picture data the system can discriminate the changes. This is to prevent forgery or tampering video given for evidence.

(3) Video format : Select picture format type which camera uses. You can select between NTSC or PAL formats, please reboot the DVR after changing the video format.

4 Recording Type :

Select once or cycle to recording type. If select once, it will be stopped to record until HDD full. If select cycle, it will be overwritten to record on HDD **Alarm Out** : Trigger alarm signal to selected alarm-out channel on HDD full. **Dwell Time** : Set alarm trigger dwell time on HDD full.

(5) System restarting : You can set the system to restart system as a maintenance precaution. Restarting the system lets the computer reconfigure files and so reduces the prevention of system damage through file errors. (recommended reboot once a week)

Use : Enable or disable the restarting feature.

Cycle : Input cycle period (day) of system restarting .

Dwell Time : Input system restarting time.

		NEXT D	RCMS			>
Display	Schedule	Event 🔇	Backup	Network	System	·
Log	Date Time	Etc	Information]		
to Delete on Time num retention time is 6		Watermark Watermark Display System Restarting	Use Use	•		2007/05/02 17:26:01
will need to reboot to o Cycle mm Out Alarm Out1 hour	o perform this operation	Cycle 1Day CD Time OO : Language Language	00 : 00 💼		6	Camera (16) CAMERA1 CAMERA2 CAMERA3 CAMERA4 CAMERA5 CAMERA5 CAMERA7 CAMERA9 CAMERA9 CAMERA9 CAMERA10 CAMERA10
t Configuration up Resource Display Schedule Event Backup Vetwork System		Import Export				CAMERA12 CAMERA14 CAMERA14 CAMERA15 CAMERA16 CAMERA16 CAMERA16 CAMERA16 CAMERA16 CAMERA16 CAMERA16
	Log Log Log o Delete on Time uum retention time is 0 PAL will need to reboot t @ PAL will need to reboot t @ Cycle m Out Alarm Outl Alarm Outl @ hour Configuration # # Solary Solary		Log Date Time Etc Delete Deletet Deletet Deletet Deletet Deletet Deletetetee Deletetee Deletetee Deleteteeeeeeee Deleteteeeeeeeeeeeeeeeeeeeeeeeeeeeee	Log Date Time Etc Information o Delete Information Watermark Use on Time E Hour(s) ● Display Use Image: The second se	Log Date Time o Delete on Time on Time () Hour(s) () Watermark Use () Use () Use <td>Log Date Time Etc Information o Delete Information Watermark Use Information on Time E Hour(S) Information Use Information Immediate to reboot to perform this operation. System Restarting Information Immediate to reboot to perform this operation. System Restarting Use Immediate to reboot to perform this operation. Use Cycle Immout Language English Import Language English Import Import Import Export Export Export</td>	Log Date Time Etc Information o Delete Information Watermark Use Information on Time E Hour(S) Information Use Information Immediate to reboot to perform this operation. System Restarting Information Immediate to reboot to perform this operation. System Restarting Use Immediate to reboot to perform this operation. Use Cycle Immout Language English Import Language English Import Import Import Export Export Export

- **(5)**Language : Select language to appropriate for installation country.
- (6) Import / Export configuration : Import configuration file to out of DVR or export configuration file from another DVR.



- (a) System Configuration list : displays detail about DVR system configuration.
- (b) Path : displays location of system configuration file
- **c** Browse : click [Browse] button to select folder for save.
- (d) Import : Import configuration file to another DVR.
- (e) **Export** : Export configuration file from another DVR.

☞ [Note]

• Not available in KSR-304T and KSR-304N.

6.7.5 Information

It shows the information of OS, hardware, $\ensuremath{\mathsf{DVR}}$ program.

(Not available in KSR-304T and KSR-304N.)

Setup NEXT DVR CMS			
🖽 Resource 🔟 Display 😥 Schedule 😹 Event 🕜 Backup 🛃 Network 🗐 System			
User Log Date Time Etc Information			
1 Name : Microsoft Windows XP Embedded Service Pack 2 (Build 2600) Version : 5.1.2600 Service Pack : Service Pack 2 Hardware Information Model : Model : ND-1016 CPU : Intel(R) Pentium(R) 4 CPU 3.00GHz Q Memory : 512 MB LAN Card : Marvell Yukon 88E8053 PCI-E Gigabit Ethernet Controller Graphic Card : RADEON X300/X550 Series	V05/02 53 : 25 V VIII mera (16) CAMERA3 CAMERA3 CAMERA3 CAMERA4 CAMERA5 CAMERA5 CAMERA6 CAMERA10 CAMERA12 CAMERA12 CAMERA14 CAMERA15 CAMERA15 CAMERA16 CAMERA16 CAMERA16 CAMERA16 CAMERA17 CAMERA16 CAMERA1		

(1) **Operation System Information** : It shows OS, System version, service pack version.

(2) Hardware Information : It shows DVR system's CPU size, memory volume, Lan card, graphic card

(3) Software Information : It shows DVR system's OS operating program and version.

Warranty Information

This product has passed thorough quality control and test, and if this get broken during normal use

We provide 12 months warranty service.

Warranty Guide

- □ Check this warranty sheet first.
- □ Please contact the distributor after checking out any defect in the product.
- **D** The standard for repairing, replacement or reimbursement follows Customers.

Warranty Contents

- □ Any defect under normal use within the warranty service period we give you free repair service according to the warranty sheet.
- **U** We change you with the fee of parts and service despite free warranty service period.
 - 1. Any breakage made without care.
 - 2. Breakage or trouble made by natural disaster .
 - 3. Breakage or trouble made by breaking the product guide or manual.
 - 4. Brakeage or trouble made by wrong power voltage or frequency .
 - 5. When you want to reassemble for full system or replace parts within warranty service period.
 - 6 When unauthorized engineer modified or made damage on the product trying to repair it. We may charge you with the fee.
- □ We don't support the breakage after warranty service period. If the customer wants to get it repaired, we charge them with the fee.

Product & Model Number		
Product Sheet Number		
Distributor		
Date you purchased		
Warranty Period		1 year from the purchase date
Customers	Name	
	Address	

Product Warranty Service Sheet

> This warranty sheet may not be provided again.

- > Please get this sheet field when you purchase the product.
- > You should show this warranty service sheet when you get a warrantee service.

