User's Manual



USER'S Manual

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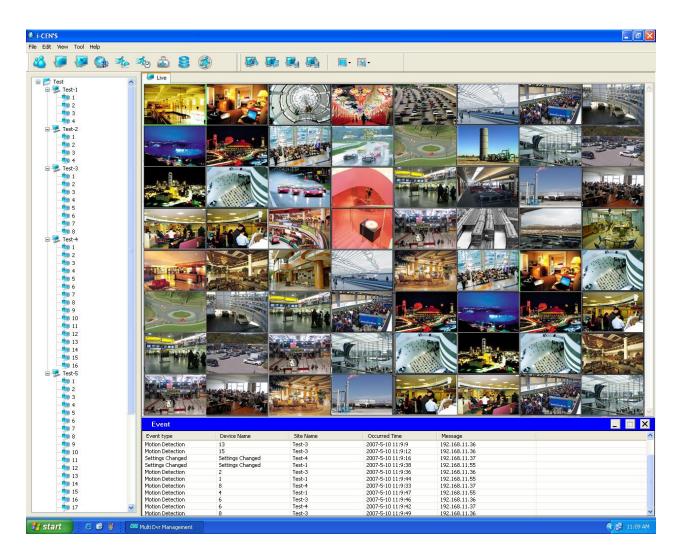
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Overview of i-CEN'S software

1 Introduction of i-CEN'S

i-CEN'S (internet **Cen**tral **S**urveillance) is an application program to manage and control DVRs over the TCP/IP network environment.

i-CEN'S software works with multiple DVRs and has functions to view live, playback, search event and check health of each DVRs.



2 Key Features

• Followings are key features of i-CEN'S

-Works with MagicRadar / Genesis DVR series

-Controls server connected over TCP/IP

-Multiple DVR Management

-Multiple Cameras support up to 128 cameras. (Supporting Dual monitor)

-Multiple Channel Division Display (1/4/7/9/13/16/25/36/64)

-Channel by channel Color Adjustment

-On Screen Pan/Tilt/Zoom control

-Schedule Backup

-Event Management

-Multiple E-Map

-E-mail notification

-Powerful search by calendar and time bar

-Multiple channel search and simultaneous playback (Up to 32 channel)

-Easy and fast search of archived video and playback

-Saving image as BMP/JPG format

-Password protected system access

-Tab based Control (Live/Search/E-map/Event Log/Real time event/Health Check/Backup Status/Log)

3 Key Benefits

Easy to Install

i-CEN'S Installation wizard provides easy method to install i-CEN'S solution.

Easy to control and manage

i-CEN'S provides easy to use controlling management GUI.

Easy to relocate camera

You can easily relocate camera by 'drag and drop function'.

Centralized real time viewing and playback

i-CEN'S enables you to set up to monitor and playback at any places in your local or remote facility. Up to 64 channels can be accessed to the one screen display simultaneously.

4 System Specification

i-CEN'S is designed to work on the Microsoft Windows. Following is the minimum hardware requirement and system specification.

H/W Spec	i-CEN'S
WIN O/S	Windows 2000, XP Home, XP Pro, Vista
СРՍ	P4 Dual Core 3.0GHz
Memory	2048MB or Above
Graphic card	128MB or above Video card, Supportive Dual Monitor
CD Rom	0
Monitor	19" or above

Supporting DVR

- All MagicRadar DVR series with version
- 5.0.0.0 or above
- Genesis DVR series (SR, XR)

Display Performance

Display : Max up to 120fps

Camera Display

- Drag & drop camera display
- · Camera relocation of displaying window
- Multiple DVR group mode & camera display

Video Search and play back

- Video search by calendar and time bar
- Simultaneous multiple channel playback (Max up to 32channel)

PTZ Control

On-image PTZ and Dialog control panel function

Back up

- Network Backup (DFS, EXE)
- FTP server backup

System log

• Real-time event log viewer and event search.

Security level

- Password protected system access.
- System configuration by Admin level and system monitoring by user level

Network Upgrade

Upgrade via Network

5 Application

- Centralized local facility monitoring and playback such as Building, Airport, Plant, Dam and Shipyard.
- Centralized remote facility monitoring over the Internet such as Unmanned facility of Telco, Chain store, Gas Station, Branch Office & construction site.
- System Integration for small to large sized facility.

Software Installation

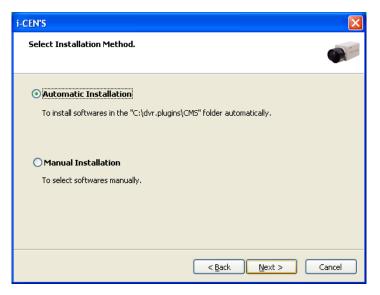
1 Installation of i-CEN'S

Insert the i-CEN'S software CD and browse My Computer. Select the CD-ROM drive and select i-CEN'S installation wizard. Installation wizard will start installing the program. Click [Next] button.



Select Installation Method and click [Next] button to continue.

To change program installation folder, select manual installation instead.



i-CEN'S

If [Automatic Installation] is selected, installation process will be completed on the next step.

Select [Manual Installation] to select target folder manually.

Manual Installation

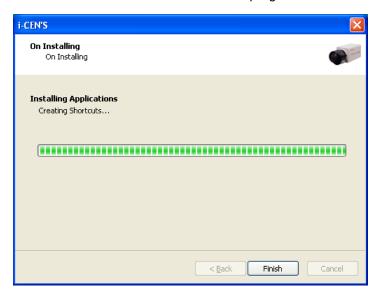
To select softwares manually.

To change Existing target folder, just click [Browse] button to specify target folder.

Note: Recommendation is not to change and just go ahead with [Next] button click.

i-CEN'S			×
Select softwares Select software			
Selectable Softw	ares		
Target <u>F</u> older:	C:\dvr.plugins\CMS	Brow	se
		< Back Next > Ca	ancel

Please wait for a while to install i-CEN'S program.



i-CEN'S

Click [Finish] button to complete installing i-CEN'S program.



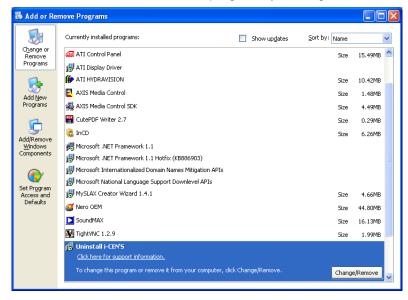
2 Uninstallation of i-CEN'S

Run Uninstall program as below.

Window > Start> All Programs > i-CEN'S > Uninstall i-CEN'S

All Progr	rams 🜔 🛅 i-CEN'S 🛛 🔸	🧕 i-cen's
	🖉 Log Off 🚺 Turn Off Computer	ninstall i-CEN'S
背 start	11 0 0 °	_

You can also uninstall i-CEN'S program by running 'Add/Remove Programs' in Control Panel as below.



Operation Guide

1 Program Start and Description of Tool bar

1.1 Running the program

Run the program by selecting [i-CEN'S] program as below.

Window start>All Program > i-CEN'S > i-CEN'S



You can also run [i-CEN'S] program by clicking i-CEN'S icon on desktop.



1.2 Log in

Login	
User : Password :	admin
	OK Cancel

If you run program firstly, above log in window will be appeared.

Default user is admin without a password.

You can add user account in user setup menu. (Refer to chapter 2.2)

Select user and input password, then click [OK] button to log in.

1.3 Brief Description of i-CEN'S window

This chapter explains i-CEN'S window, program menu and tool bar briefly.

For more detailed information about each window and function, please refer to the other chapters in the manual. After log in, following window program will be appeared and configure the system by following the configuration guide as descriptions in the manual.

Program Menu l	_ive Tab		Display Scroll Bar
I-CEN'S File Edit View Tool Help			
🗳 🔎 🖗 🚱 考		.	Program Toolbar
	Live		
Site Tree	Display window		
	/ Camera		

Try to configure and control the program with user friendly menu and icon provided in the program.

1.3.1 Program Menu

File: To Log in / Log out and System Exit.

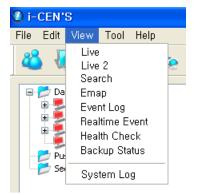


Edit: To configure system and set user account.



View: To view and check live, search, Emap, Event Log, Realtime Event, Health Check,

Backup Status, Live 2 and System Log.



Tool: It is not available at this time.

Help: Shows information about DVR.



1.3.2 Tool Bar of Program



This tool bar is providing shortcut to run program related functions. Following is detailed explanation about respective ICON.



Login / logout: Login / logout i-CEN'S software.

Live: Shows real-time live view

i-CEN'S

Live 2: Opens extended live 2 window.
 Search: Search and playback recorded image
 E-map: Opens the E-map window and configure E-map
 Event Log: Opens the Event log window.
 Real-time Event: Opens the real time Event window.
 Health Check: Opens health check window.

Backup Status: Shows backup status.

1.3.3 Tool Bar of Live View



This tool bar is to configure screen configuration. Following is detailed explanation about respective ICON.

- **Load Screen:** Loads configuration of saved screen.
 - **Save Screen:** Saves configuration of current screen.
- **Delete Screen:** Deletes configuration of saved screen.
 - Clear Screen: Clears configuration of loaded screen.

1.3.4 Tool Bar of Search and Playback



This tool bar is to control search and playback. Following is detailed explanation about respective ICON.

- Play Backwardx2: Play backward by x2 speed.
 Play Backward: Play backward by normal speed.
 Stop: Stop playing.
 - Play: Play forward by normal speed.
 - **Playx2:** Play forward by x2 speed.

Time bar Up/Down: Changes camera display on time bar.

Time bar Right/Left: Moves time display on time bar.

Time bar Zoom in/Zoom Out: Controls zoom level on time bar.

i-CEN'S



Save Image: Saves image on selected channel as BMP/JPG format.

1.3.5 Tool Bar of Channel

💽 • 🔂 1 💌

This tool bar is to select camera and its screen division.



: Selects camera screen division. Live Mode: 1, 4, 7, 9, 13, 16, 25, 36, 64 Search Mode: 1, 4, 7, 9, 13, 16 : Go to camera by number. (1~64)

1.3.6 Tool Bar of E-map Control



This tool bar is to configure e-map. Following is detailed explanation about respective ICON.

a	Lock/Unlock: Under lock condition, location of camera icon is not available.
<u>e</u>	Zoom In: Zoom in e-map.
2	Zoom Out: Zoom out e-map.
<u> </u>	Default Image Size: Revert to default image size.
Birmingham 🗸	E-map list: Selects e-map on the list.
Q .	Add E-map: Adds e-map on the list from image file. (BMP, JPG format)
<u></u>	Delete E-map: Deletes e-map from the list.
	Site: Adds site by 'drag and drop' icon.

2 Program Setting

Program setting is to configure options which affect to overall function of i-CEN'S software. Thus, this

configuration must be done before proceeding with other setting. Following options are provided by edit menu.

- 1. System configuration
- 2. User configuration

2.1 i-CEN'S System Configuration.

Select [System] on 'Edit' to check system properties.

Edit				
System Event				
On Screen Display (OSD)	3 Use Schedule	ed Backup		
Font Use O	5D	Backup Start Time :	PM:08:56	\$
	Maximum sir	multaneous backup :	10	~
2 Vuse Health Check Health Check Interval Minute				
Use Alert sound				
Duration of Alarm				
-0	5 sec			
• Default Sound				
OUser's Selection	Browse			
			ок 🗌	Cancel

• System Configuration

1. On Screen Display (OSD): Tick the "Use OSD" to use on screen display.

Font can be changed on screen display by clicking "Font" button.

- 2. Use Health Check: Sets health check interval and selects alert sound.
- **3. Use Scheduled Backup:** Sets backup start time and select maximum simultaneous backup, which is the number of site to backup up to 10.

2.2 i-CEN'S Event Configuration.

Select Event tab on 'Edit' to check system properties.

Edit		X
System Event Event Management System Start	Display event on emap.	
Login Disk Full Alert Motion Detection Output No Video Signal	Event Display time	
Settings Changed Normal Shutdown Logout Input Object Detection Abnormal Shutdown	Use Alert sound Duration of Alarm	
Disk writing error. Video capture error. Record error. Audio capture error.	Default Sound User's Selection Browse	
	Send e-mail upon event.	
	From :	
	Subject :	
	5 Apply to all event	
		OK Cancel

• System Configuration

- 1. Event List: Select event to change settings.
- 2. E-map: Adjusts 'Event Display Time'.(2sec ~ 60sec)
- 3. Alert Sound: Adjusts 'Duration of Alarm' (2sec ~ 60sec) and specify alert sound.
- 4. E-mail: Sets E-mail Server configuration to send event e-mail.

SMTP Server: Type in email server address from mail service provider as 'mail.yahoo.com'

From: Type in the address of sender as info@yahoo.com

To: Type in the address of receiver as info@google.com

Subject: Specify subject clearly, otherwise error message will be appeared.

5. Apply: Click "Apply to all event" to apply current setting to all events.

2.3 i-CEN'S User Configuration.

Select [User] on 'Edit' to check user setting.

User Setting		\mathbf{X}
User List	User Setting - 2	
admin Greg	User :	Greg
areu	Password :	•••••
	Authorized Access	
	Admin Mode	3
	Site Configuratio	on 🔽 User setting
	Event Log	CMS Configuration
	💌 Emap	Health Check
	Network Backup	CMS Log
	Minimize	System Shutdown
	Rackup Server	✓ Upgrade
	Add	Modify Delete
		OK Cancel
User List: Shows registered use	r list. 1	

How to add user setting:

- 1. Input user name and password in user setting category. 2
- 2. Select authorities in "Authorized Access" 3
- 3. Click "Add" button to register new user.

How to modify user setting:

- 1. Select user name in "User List".
- 2. Change authorities in "Authorized Access" 3
- 3. Click "Modify" button to register new user.

Notice: Modifying authorized access of admin is not available.

How to remove user account:

- 1. Select user name in "User List".
- 2. Click "Delete" button to delete registered user.

Notice: Deletion of admin account is not available.

3 Live Display

This chapter explains how to configure i-CEN'S software to access DVR and working live display.

3.1 Group and site configuration

i-CEN'S		🗉 📂 Magic P	Dadar
File Edit View Tool Help			Site Configuration
1 Add Group Modify Group Delete Group	2 Add Group X Group Name: Magic Radar	3	Add Group Modify Group Delete Group
1. Right mouse click or tree to add group.	n site 2. Insert Group Name and click "OK" button.	3. Right mo name and S	use click on group Select "Site

Site List			
Site Name	Group Name	IP Address	Port Number
192.168.0.185 126 114	Magic Radar Magic Radar Magic Radar	192.168.0.185 192.168.3.126 192.168.0.114	9091 9091 9091
Site Information			3 Add
Site Name:	114		
IP Address:	192.168.0.11	4	Modify
Port Number:	9091	\$	Delete
User:	user1		
Password:]
Additional Info:			
Camera List			
Camera		Select All(1~16)	1
Camera1			
Camera2		Select All(17~32)	4
Camera4		Deselect All(1~16)	ОК
Camera5			
Camera6	~	Deselect All(17~32)	Cancel

How to set

 Input Site Information of connecting DVR
 Site Name: Type in easy name to recognize the site
 IP Address: Type in IP address of connecting DVR
 Port Number: Type in port number of connecting DVR

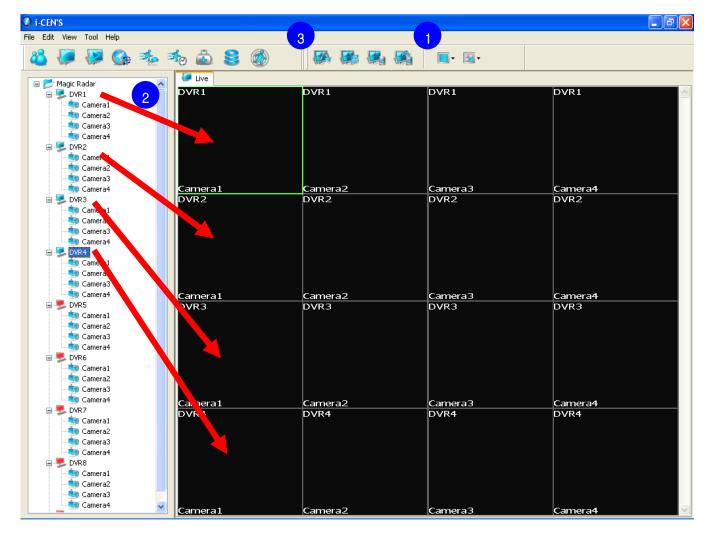
User and Password: Type in User ID and Password of connecting DVR

- Select cameras to connect in camera list.
 (You can select all/deselect all by clicking quick menu on the right side of the list)
- 3. Click [Add] button to add site.
- 4. Click [OK] button to finish site configuration.
- **Notice:** To modify or delete site, select site on the site list and change site information and then click modify or delete button.

3.2 Live Display configuration

How to set live display screen

- 1. Click Live 1 button(1) to view live window.
- 2. Select screen division on tool bar.
- 3. Select site and drag & drop it on live 1 reen as below. Cameras will be displayed sequentially.
- 4. Screen configuration can be saved by tool bar of channel (Refer to 1.3.5)
- 5. If there are more connected cameras to see, use scroll bar.



2

3

- Each camera can be added on live screen individually. (Drag and drop camera on live screen)
- When cameras are added, i-CEN'S will access to the site automatically.

(If the site is accessed, color of icon will be red to blue.)

Notice: If camera is added to over previously added camera, newly added will be over displayed.

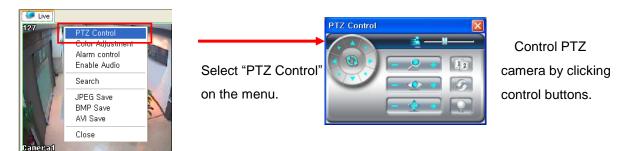
3.3 Live Display Control

How to open extended live display:

Click "Live 2" button() to open extended live tab. Live 2 tab can be moved to secondary monitor if using dual monitor.

How to control PTZ:

Right mouse click on video image in live tab to open pop-up menu.



How to adjust color setting:

Right mouse click on video image in live tab to open pop-up menu.



Adjust color settings and click "OK" to apply changes. Click "Default" button to revert as default color settings

How to set Alarm Control:

Select "Alarm Control" on the right mouse click menu to set alarm output.

Alarm Control	\mathbf{X}
Output1)	

How to Enable Audio:

Select "Enable Audio" on the right mouse click to enable audio transmission.

How to Save Video:

Right mouse click on video image in live tab to open pop-up menu.

JPEG Save: To save selected channel as JPEG format BMP Save: To save selected channel as BMP format

AVI Save: To save selected channel as AVI format

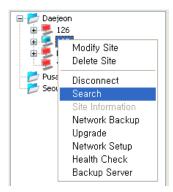
4 Search and Playback

4.1 Search

There are three ways to open search window.

1. Select site on site list and Click

button to open search tab



2. Right mouse click on site name

and select "Search" on the menu.

Tool bar of Playback



3. Right mouse click on channel on live window and select "Search" on the menu.



i-CEN'S

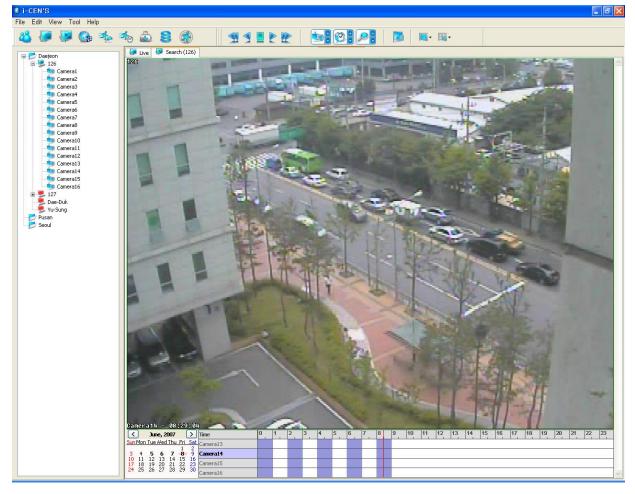
4.2 Playback

How to playback:

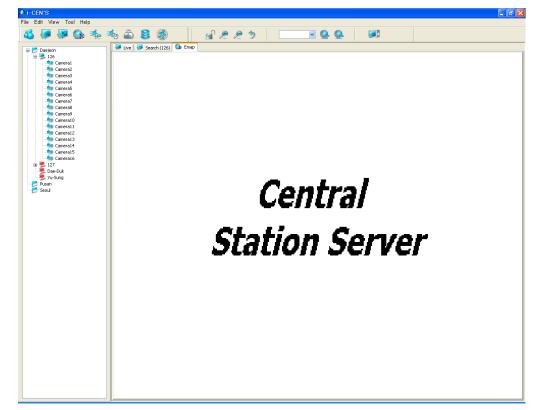
- 1. Open search tab by selecting search menu.
- 2. Select recording date on search calendar.
- 3. Select camera to playback.
- 4. Select time to playback in search bar.
- 5. Click "Play" button to playback.

Notice: To playback one channel, double click it to enlarge.

To back to multi channel playback, double click it again.



5 E-map



5.1 E-map Configuration

Click

icon to open E-map window.

Click icon to add E-map image

Input map name and browse E-map file and click "OK' button to add e-map.

(E-map Supports BMP, JPG file format)

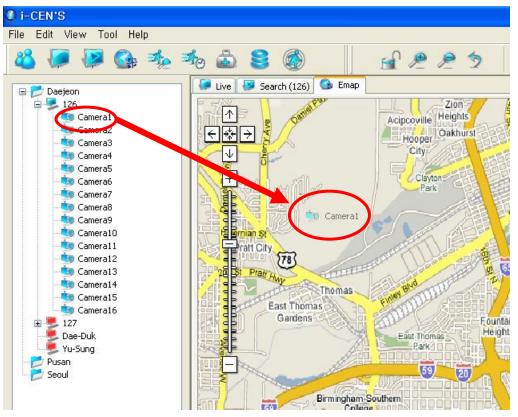
E-Map	
Map Name : Browse :	Birmingham C:₩Documents and S
browse .	
	OK Cancel

Select E-map in the e-map list.



5.2 Camera Configuration

Drag and drop the camera to E-map window.



Select device type (Camera, Input and Output), device (number) and click "OK" button to add device. **Device**: No special meaning, but easy to distinguish each device on the E-map to user

Device		
Device Type :	Camera	~
	Camera	
Device :	Input Output	
	ОК	Cancel

If event from DVR happens, device icon will be blinking.

Click icon to unlock E-map. Under unlock mode, device icon can be moved to another location.

5.3 Event Pop Up live view.

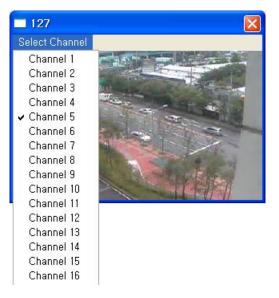
Drag and drop camera on E-map window.



Double click site on the real time event window to open event popup live view screen as below.



Default selected camera is "Camera1" and channel can be changed by "Select Channel" menu as below.



i-CEN'S

6 Event Log 6.1 Event Setting (PC DVR-MagicRadar)

How to set event:

To receive event from DVR, event filter would be configured in DVR setup.

	? 🗙
Setup System Device Event Schedule Network User DVR Server Supported Network : TCP/IP Port No. : 9091 Details Timeout : 180 C Maximum number of users : 10 C	Web Server Port No. : 80 Web Login Required Loading text webpages without picture images Central Station Report to Server on Event
2 Server Information IP Address : 192.168.3.127 Port No. : 9100 Default Reported Events OK Cancel	Properties Reported Events Choose Events to Send
	Scheduled Report From : 0:00 \$ To : 0:00 \$ OK Cancel

- 1. In DVR system, go to 'Setup > Network > Central Station' and tick "Report to server on Event" and then click [Properties] button.
- 2. Input IP address of i-CEN'S and port no(Recommended not to change) and then click [Reported Events] button.
- 3. Choose events to send and click [OK] buttons to save configuration.

6.2 Event Setting (SR Series-GENESIS)

How to set event:

To receive event from SR series, event filter would be configured in SR menu.

CMS Server Setting

CONFIGURATIONS	ON
SERVER IP ADDRESS	192.168.004.018
PORT	9100

1. In SR system, go to 'Menu > Network > CMS'.

- 2. Switch configurations as "ON" and specify server IP address. (CMS Server IP address)
- 3. Default Port number is 9100 (Recommended not to modify default value).
- 4. Click [OK] button and exit menu to continue to event filter setting.

LOGIN / LOGOUT	OFF
SHUTDOWN	ON
SENSOR	ON
MOTION	ON
VIDEO LOSS	ON
DISK WARNING	OFF
SETTING CHANGE	OFF
	OK CANCEL

Event Filter Setting

- 1. Go to 'Menu > Network > EVENT FILTER'
- 2. Choose events to send and click [OK] button and exit menu to save configurations.

6.3 Event Log Search

Click 萒

icon to open event log search window.

,		a 🎄 Event Search 🔬 F	lealth Check 🚯 Emap			
Camera1	Event type	Device Name	Site Name	Occurred Time	Message	
Camera2	Motion Detection	Camera16	127	2007-08-08 10:55:49	192.168.3.127	
Camera3	Motion Detection	Camera11	127	2007-08-08 10:55:49	192.168.3.127	
Camera4	Mation Detection	Camera9	127	2007-08-08 10:55:51	192.168.3.127	
Camera5	Motion Detection	Camera11	127	2007-08-08 10:56:31	192.168.3.127	
Tamera6	Motion Detection Motion Detection	Camera9 Camera16	127	2007-08-08 10:56:34 2007-08-08 10:56:34	192.168.3.127 192.168.3.127	
Tamera7	Motion Detection	Camera15	127	2007-08-08 10:56:40	192.168.3.127	
Jamera8	Motion Detection	Camera14	127	2007-08-08 10:56:40	192.168.3.127	
Jamerao Jamerao	Motion Detection	Camera9	127	2007-08-08 10:56:55	192.168.3.127	
	Motion Detection	Camera16	127	2007-08-08 10:56:55	192.168.3.127	
amera10	Motion Detection	Camera11	127	2007-08-08 10:57:22	192.168.3.127	
amera11	Motion Detection	Camera14	127	2007-08-08 10:57:25	192.168.3.127	
Tamera12	Motion Detection	Camera15	127	2007-08-08 10:57:25	192.168.3.127	
Tamera13	Motion Detection		5 127	2007-08-08 10:57:26	192.168.3.127	
lamera14	Motion Detection	Camera10	127	2007-08-08 10:57:27	192.168.3.127	
amera15	Motion Detection	Camera10	127	2007-08-08 10:57:41	192.168.3.127	
amera16	Motion Detection	Camera1	127	2007-08-08 10:57:42	192.168.3.127	
	Motion Detection	Camera2	127	2007-08-08 10:57:42	192.168.3.127	
amera1	Motion Detection Motion Detection	Camera15 Camera14	127	2007-08-08 10:57:44 2007-08-08 10:57:44	192.168.3.127 192.168.3.127	
amera2	Motion Detection	Camera14 Camera11	127	2007-08-08 10:57:45	192.168.3.127	
amera3	Motion Detection	Camera9	127	2007-08-08 10:58:05	192.168.3.127	
amera4	Motion Detection	Camera16	127	2007-08-08 10:58:05	192.168.3.127	
amera5	Motion Detection	Camera11	127	2007-08-08 10:58:10	192.168.3.127	
amera6	Motion Detection	Camera15	127	2007-08-08 10:58:10	192.168.3.127	
amerao amera7	Motion Detection	Camera14	127	2007-08-08 10:58:10	192.168.3.127	
amera/ amera8	Motion Detection	Camera14	127	2007-08-08 10:58:34	192.168.3.127	
	Motion Detection	Camera15	127	2007-08-08 10:58:37	192.168.3.127	
amera9	Motion Detection	Camera11	127	2007-08-08 10:58:38	192.168.3.127	
amera10	Output	Output1	127	2007-08-08 09:52:07	192.168.3.127	
ameral1	Output	Output1	127	2007-08-08 09:55:19	192.168.3.127	
amera12	Output	Output1	127	2007-08-08 09:59:45	192.168.3.127	
amera13	Output	Output1	127	2007-08-08 10:03:38	192.168.3.127	
amera14	Output	Output1	127	2007-08-08 10:37:32	192.168.3.127	
amera15	Output Settings Changed	Output1 Settings Changed	127	2007-08-08 10:57:52 2007-08-08 09:39:24	192.168.3.127 192.168.3.127	
amera16	Logout	admin	127	2007-08-08 09:42:46	192.168.3.127	
uk	Normal Shutdown	Normal Shutdown	127	2007-08-08 09:42:46	192.168.3.127	
ng	System Start	The man of the offer	127	2007-08-08 09:46:23	192.168.3.127	
	Login	admin	127	2007-08-08 09:46:28	192.168.3.127	
	Alert	Alert Alert1	127	2007-08-08 09:51:57	192.168.3.127	
	Alert	Alert Alert1	127	2007-08-08 09:55:08	192.168.3.127	
	Alert	Alert Alert1	127	2007-08-08 09:59:34	192.168.3.127	
	Alert	Alert Alert1	127	2007-08-08 10:01:41	192.168.3.127	
	Alert	Alert Alert1	127	2007-08-08 10:02:16	192.168.3.127	
	Alert	Alert Alert1	127	2007-08-08 10:03:27	192.168.3.127	
	Alert	Alert Alert1	127	2007-08-08 10:37:21	192.168.3.127	

Search Steps:

- 1. Specify time range. (Start time and End time)
- 2. Select Event Type and Site Name.
- 3. Click "Search" button to start search.
- 4. To stop search, click "Search Stop" button.
- 5. Event search result will be shown in the grid area

(Event type, Device name, Site Name, Occurred Time and Message)

6.4 Real time Event

Click

icon to open real time event window.

Event					
Event type	Device Name	Site Name	Occurred Time	Message	^
Motion Detection	13	Test-3	2007-5-10 11:9:9	192.168.11.36	
Motion Detection	15	Test-3	2007-5-10 11:9:12	192.168.11.36	
Settings Changed	Settings Changed	Test-4	2007-5-10 11:9:16	192.168.11.37	
Settings Changed	Settings Changed	Test-1	2007-5-10 11:9:38	192.168.11.55	
Motion Detection	2	Test-3	2007-5-10 11:9:36	192.168.11.36	
Motion Detection	1	Test-1	2007-5-10 11:9:44	192.168.11.55	
Motion Detection	8	Test-4	2007-5-10 11:9:33	192.168.11.37	
Motion Detection	4	Test-1	2007-5-10 11:9:47	192.168.11.55	
Motion Detection	6	Test-3	2007-5-10 11:9:46	192.168.11.36	
Motion Detection	6	Test-4	2007-5-10 11:9:42	192.168.11.37	
Motion Detection	8	Test-3	2007-5-10 11:9:49	192.168.11.36	×

Real time event window is able to open in live, e-map, event search and health-check except for search window.

6.5 Event Popup Live View

Double click site on the Real time event window to open event popup live view screen as below.



Default selected camera is "Camera1" and channel can be changed by "Select Channel" menu as below.

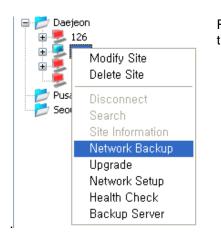


7 Backup

7.1 Network Backup

Network Backup is to backup recorded data through network.

The recorded data can be copied from the DVR's hard disk to client's external storage devices, such as CD-RW



Right mouse click on the site name of the list and select "Network Backup" on the menu to open DVR backup wizard

Click "Next" button to start up backup process.

DVR Backup Wizard		×
	Backup Start	
	Click "Next" to start the backup process.	
	< <u>Back</u> <u>Next</u> > Cancel	

7.1.1 DFS Backup

1. Select "DFS" and click "Next" to continue.

DVR Backup Wizard
Backup File Format Please select a backup file format
● DFS Save in DFS file format. Playback program required.
EXE File Backup data combined with data viewer. No viewer program required.
Save in CD data of backup External CD Burning Program Property
< Back Next > Cancel

- DFS: Playback program is required to playback saved data.
- EXE File: Playback program is included in saved data so no additional
- Save in CD data of backup: Requires blank CD to write data into CD.
- External CD Burning Program: Click "Property" button to specify external CD burning program.
- 2. Specify Time period and backup folder and then click "Next" button to continue.

DVR Backup Wizard		×
Backup Device Please select backup de	Ivice	
Select Time Period From	6/ 7/2007	
Password	6/ 7/2007 💌 23:59 🛟	
Password Password Retype Password		
Backup Folder	C:\Documents and Settings\dvr\My Docun Browse	
	< <u>B</u> ack <u>Next</u> >	Cancel

- **Select Time Period:** Specify time period for backup. When password is set, password is required to insert to view backup data during playback.

- Backup Folder: Click browse button to select a target driver and folder to backup.

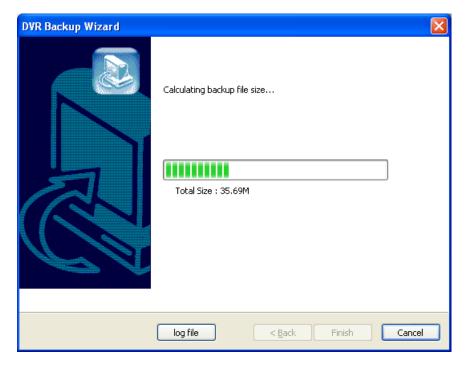
3. Select camera channels to backup and click "Next" to continue.

DVR Backup Wizar	d			×
Camera Channel s Select camera (-			
Channels Channel 1 Channel 5 Channel 9 Channel 13	 ✓ Channel 2 ✓ Channel 6 ✓ Channel 10 ✓ Channel 14 	 ✓ Channel 3 ✓ Channel 7 ✓ Channel 11 ✓ Channel 15 	 ✓ Channel 4 ✓ Channel 8 ✓ Channel 12 ✓ Channel 16 	Select All Deselect All
Channels Channel 17 Channel 21 Channel 25 Channel 29	 ✓ Channel 18 ✓ Channel 22 ✓ Channel 26 ✓ Channel 30 	 ✓ Channel 19 ✓ Channel 23 ✓ Channel 27 ✓ Channel 31 	 ✓ Channel 20 ✓ Channel 24 ✓ Channel 28 ✓ Channel 32 	Select All Deselect All
			< Back	Cancel

4. See backup information and click "Next" button to confirm.

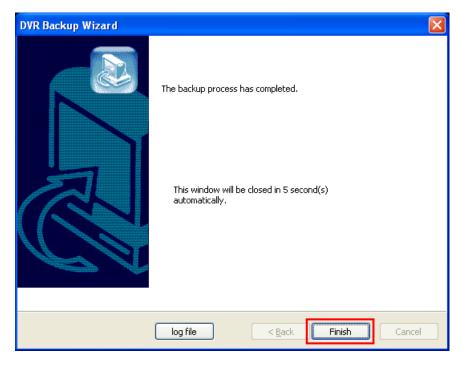
DVR Backup Wizard	
Backup Information Confirm Click "Next" to start backup	
User Location :	Remote
Server Infomation :	IP Address : 192.168.3.126 Port No. : 9091 User ID : daniel Timeout : 0 second
Backup Time Period :	2007-06-07 00:00 ~ 2007-06-07 23:59
Backup Device :	C:\Documents and Settings\dvr\My Documents
Backup File Format :	DF5
	< Back Next > Cancel

5. Please wait for a while until backup process is completed.



Log file: click "log file" to see backup status.

6. The backup process has completed.



Please wait for seconds until wizard window is closed automatically.

Or click "Finish" button to close wizard right away.

7.1.2 EXE Backup

1. Select "EXE File" and click "Next" button to continue.

DVR Backup Wizard	
Backup File Format Please select a backup file format	1
DFS Save in DFS file format. Playback program required.	
• EXE File Backup data combined with data viewer. No viewer program required.	
Save in CD data of backup	
< Back Next >	Cancel

- Recorded data can be saved as EXE file. EXE file does not require viewer program to see saved data.

2. Specify time period, password and backup folder and then click "Next" button to continue.

DVR Backup Wizard	×
Backup Device Please select backup device	
Select Time Period Date 2007-06-07 Start Time 09:00 Password Password Retype Password	
Backup Folder C:\Backup Browse Directory for temporary C:\DOCUME~1\dvr\LOCALS~1\Temp\dvrdat Browse	
< <u>Back</u> Cance	el

3. Select a desired channel to back up and specify file size and then click "Next" button to continue.

DVR Backup Wizard
Camera Channels Select camera channels.
Channels Channels Channels Camera 1 Camera 2 Camera 3 Camera 4 Camera 5
< <u>B</u> ack <u>N</u> ext > Cancel

If backup file size exceeds specified file size, multiple exe files will be created.

Notice: 1 channel backup only.

Limitation of file size is 1000MB.

4. Double click the exe file created to check saved data.



7.1.3 Backup data CD Recording

DVR Backup Wizard
Backup File Format Please select a backup file format
DFS Save in DFS file format. Playback program required.
• EXE File Backup data combined with data viewer. No viewer program required.
Image: Save in CD data of backup Image: External CD Burning Program Property
2 < <u>Back</u> <u>N</u> ext > Cancel

1. Save in CD data of backup: Tick this to backup data to blank formatted RW CD.

Data file will be saved to RW CD as HDD.

2. External CD Burning Program: After backup data file, CD burning program will be launched automatically.

7.2 Schedule Backup

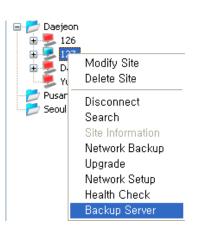
Schedule Backup is to backup recorded data to FTP server.

The recorded data can be copied from the DVR's hard disk to FTP server automatically or manually.

7.2.1 Schedule Backup Configuration

Before setup backup server, enable "Use Scheduled Backup" on Edit system menu. (Refer to chapter 2.1)

Edit	
On Screen Display (OSD) Font Use OSD	Event Management Send e-mail upon event. Display event on emap. Vuse Alert sound
Use Health Check Health Check Interval Minute Use Alert sound	Obe Alert Sound O Default Sound O User's Selection Browse
Default Sound User's Selection Browse	E-mail SMTP Server :
Emap Event Display time 5sec	To :
✓ Use Scheduled Backup Backup Start Time : AM:09:08 📚 Maximum simultaneous backup : 10	
	OK Cancel



Right mouse click on the site name of the list and select "Backup Server" on the menu to open backup server configuration window.

126 Setup	X
Automatic Backup Basic Date : 6/ 7/2007	Manual Backup Backup Day : 6/ 7/2007
Backup Period : Oay)	From : 6/ 7/2007 🗘 PM:05:25 🗘
IP Setting	To: 6/7/2007 🗢 PM:05:25 🗢
Backup Server Addr : 2 Time's up : 180 Default value Use "Year" as name of Sub-Directory Use "Month" as name of Sub-Directory User / Password User : 3 Password :	Channel 4 Select All Camera1 Camera2 Camera3 Camera4 Camera5
	5 OK Cancel

Backup server configuration window

Automatic Backup: Tick "Automatic Backup" to specify automatic backup.

- Specify basic date and backup period.

Manual Backup: Tick "Manual Backup" to specify automatic backup.

- Specify backup day and date range.

How to Set:

- 1. Select Backup method. (Automatic / Manual)
- 2. Configure IP setting.
 - Input backup server address (FTP server address)
- Specify Time's up value.
- 3. Input FTP Server's User / Password.
- 4. Select desired channels to backup.
- 5. Click "OK" button to save configuration.

If all configurations are correct, backup will start at specified start time.

7.2.2 Backup Status

Click icon to open backup status window.

If sites are registered to i-CEN'S, DVR sites are shown as below.

Live	Backup stat			5	6				
Order	Group Name	Site Name	Serve	er Address	Backup file size	Progress of uploadi	Status	Date/Time	
1	MagicRadar /PC	126	ftp://1	192.168.3.127	20.02 MB	100%	Transmitting completed	2007-06-07 / 21:01:51	
2	MagicRadar /St	114	ftp://1	192.168.3.127	0 KB	0%	Failed in connecting Server	2007-06-07 / 20:57:20	
3	MagicRadar /St	xr04	ftp://1	192.168.3.127	окв	0%	Version unable to back up!	2007-06-07 / 20:56:19	
				Cancel Backup Backup configuration					
				9				10	11

Backup Status

- 1. Order: Shows backup sequence order. If order number is deselected, backup process is stopped.
- 2. Group Name: Shows group name of the site.
- 3. Site Name: Shows registered site name.
- 4. Server Address: Shows FTP server address.
- 5. Backup file size: Shows size of backup file.
- 6. Progress of uploading: Shows current uploading progress with percentage bar.
- 7. Status: Shows status of backup.
 - Backup setting error!: Backup configuration value has something wrong.
 - Transmitting Completed: Backup is completed successfully.
 - Failed in connecting Server: DVR server is not connected.
 - Version unable to backup!: DVR server version does not support backup function.
- 8. Date/Time: Shows backup date and time.
- 9. Right mouse click menu: Right mouse click on list of backup status and select option.
 - Cancel Backup: Cancel selected backup progress.
 - Backup Configuration: Open backup server configuration window of selected site.
- 10. Confirm setting: Click button to confirm order setting.
- 11. Cancel setting: Click button to cancel order setting.

8 DVR Management

8.1 Health Check 8.1.1 Health Check Window

Click icon to open Health Check window.

i-CEN'S le Edit View Tool Help						
· · ·						
🖏 🔎 🖗 🚱 考	🄄 🎰 🔊					
🖃 📂 Daejeon	🐺 Live 🏽 🚳 Eve	ent Live Event Se	arch 🖾 Health Check 🔮	Emap		
B - 5 126		7				
🤹 Camera1	Previous log s	earch				
	Network Status	Group Name	Site Name	HDD Info	Version Info	Connect Time
- 🧓 Camera4	Work Status					09 / 09/40/1E
🥶 Camera5		2	3	4	5	6 J8 / 08:49:37
		Daejeon Pusan	Dong-Rae	N/A N/A	N/A	
		Seoul	Kang-Nam	N/A	N/A	08-08 / 08:48:49
- tamera9		Pusan Seoul	Sa-Ha Song-Pa	N/A N/A	N/A N/A	08-08 / 08:48:51 08-08 / 08:49:12
- 🧐 Camera10		Daejeon	Yu-Sung	N/A	N/A N/A	08-08 / 08:49:13
- to Camera11						
Camera14						
- 🧐 Camera15						
Camera16						
🗉 📕 127 🗊 🎩 Dae-Duk						
Yu-Sung						
- 📂 Seoul						
	<					

• Health Check status

Health Check window shows current status of DVR.

- 1. Network Status: Shows current network status of DVR with red (disconnected) and light blue (connected).
- 2. Group Name: Shows group name of the site.
- 3. Site Name: Shows registered site name.
- 4. HDD Info: Shows HDD information, total capacity of DVR installed.
- 5. Version Info: Shows Current software version information.(Version name and date)
- 6. Connect Time: Shows connect time.
- 7. Previous log search: Status is being saved as log and log can be searched by "Previous log search"

8.1.2 Previous log search

• Previous log search window

Click "Previous log search" button in Health Check window to check previous log.

P	revious log s	earch				
	Network Status	Group Name	Site Name	HDD Info	Version Info	Connect Time
			5			
	<					
					3	
	1 Date	6/ 5/2007 😂 18 🗸	hour 20 💌 min.	2 Site All Sites		Search
	~ Date		hour 20 🗸 min.		4	Search Stop
						close

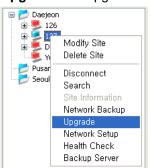
Search Steps:

- 1. Specify date range.
- 2. Select site.
- 3. Click "Search" button to startup search.
- 4. To stop search, click "Search Stop" button.
- 5. Previous log search result will be shown in the grid area

8.2 Upgrade Software

• Upgrade Menu

Upgrade is to upgrade software of DVR.



Right mouse click on the site name of the list and select "Upgrade" on the menu to open upgrade software window.

Software Upgrade

Dae-Duk Upgrade	
DVR Info Model : 33 Language : English S/W version : 4.1.0.3 H/W version : 1.0.0.0 Kernel : 2.6.14.0 OS version : 1.0.0.0 Platform : SR	Upgrade Info Model : 33 Language : english S/W version : 4.1.0.3 H/W version : 1.0.0.0 Kernel : 2.6.14.0 OS version : 1.0.0.0 Platform : SR
Install File sr04-en_4.1.0.	3-20070604_arm.deb File Open

DVR Info: Shows information of DVR. **Upgrade Info:** Shows Information of Upgrade file.

How to upgrade:

- 1. Click "File Open" button and find install file. (x.upgrade)
- 2. Click "Upgrade" button to upgrade software.

Notice:

Before upgrade, disconnect to DVR.

8.3 Network Setup

• Network Setup Menu

Network Setup is to change setup and configuration of connected DVR through network.



Right mouse click on the site name of the site list and select "Network Setup" on the menu to open upgrade software window.