
huperCenter

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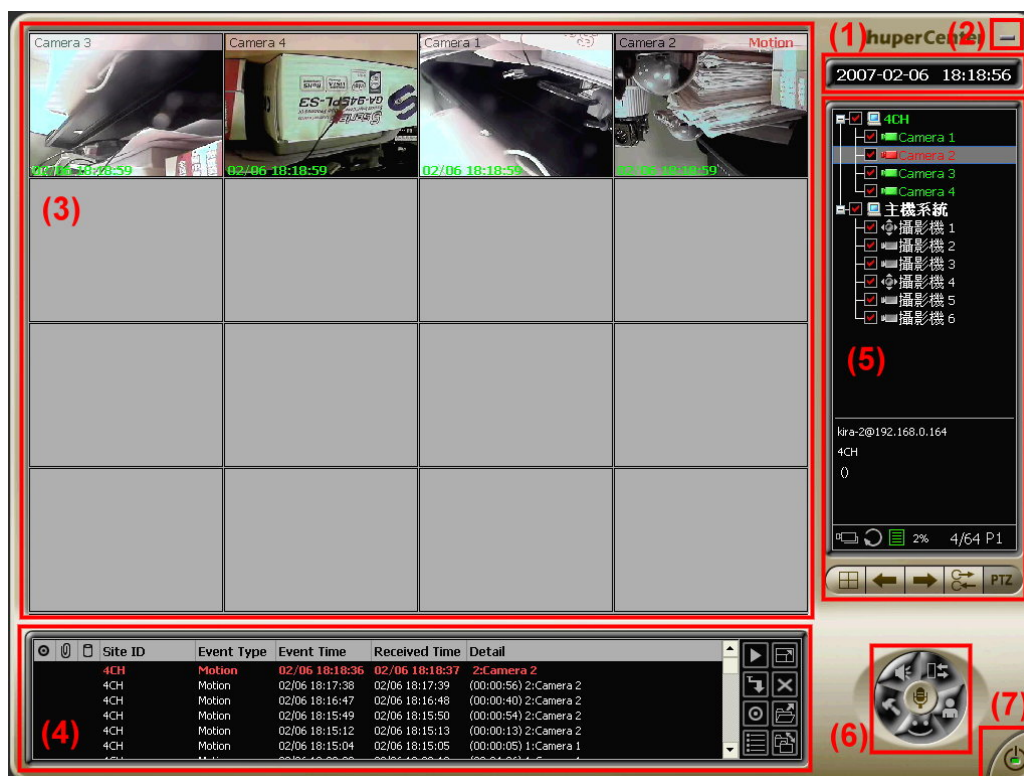
Introduction

huperCenter is a surveillance software that allows you to monitor and control multiple DVR sites simultaneously over a LAN, WAN, or Internet connection. With this software, you can monitor up to 64 cameras from various DVR sites simultaneously.

On the huperCenter program window, you can view non-stop surveillance video, or configure the program to display camera video only when events have been detected on the DVR sites. Events that are detected could be the following: motion video detection, sensor detection, manually triggered events.

Using huperCenter

huperCenter Interface



- | | | |
|---|----------------------|---|
| 1 | Timer | Display system date & time. |
| 2 | Minimize | Minimize huperCenter window to taskbar huperCenter cannot use Alt+Tab to switch program. You need to minimize it and then use other application(s). |
| 3 | Split Scree | Display video from the remote DVR sites. On the split screens, the video camera number, current date & time, event type can be displayed. |
| 4 | Event List | Display events from all remote DVR sites. |
| 5 | Camera List | Display connected remote DVR sites & cameras. |
| 6 | Function Button Sets | System related functions & settings |
| 7 | Power Switch | Exit program |

Using Split Screen

Interface Introduction



The split screen can display video and related status from remote sites. The buttons are related functions to operate split screen.




Change display number of split screen.








Switch to previous page of split screen.



Switch to next page of split screen.

TIP: If you want to change the display number of split window, click the button  and select command (1, 4, 9, 16, 25, 36, 49, 64) from the pop-up menu.

TIP: huperCenter can display 64 videos at the same time. You can use button  or  to switch page. You can see from camera list    100% **4/64 P1** to check the current display page.

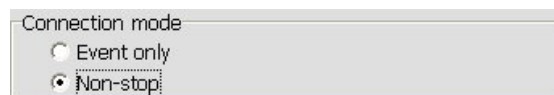
Split Screen Connection Mode

There are several connection modes as below:



Non-stop mode

The video will display continuously. huperCenter will keep recording when there is an event but the title will not change to Event mode. Use the setting below can set video display as Non-stop mode (under Fixed Mode).

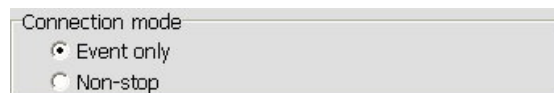


The setting is located in the Operation Mode page of Preferences dialog.



Event mode (with RED caption)


Display video when there is an event. Use the setting below can set video display as Event mode.



The setting is located in the Operation Mode page of Preferences dialog (sub-options under Fixed Mode).



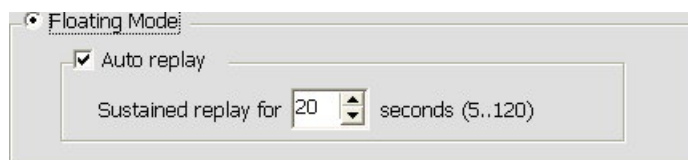
Player mode (with GREEN caption)

Select an event from event list and click  button (located at the right side of event list) and play event recording data on the empty location in the split screen.



Replay mode (with BLUE caption)

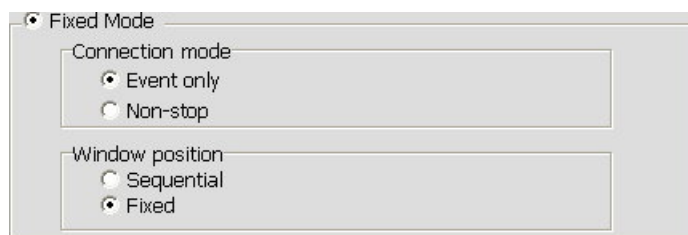
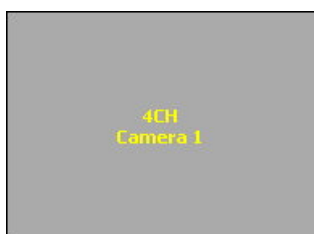
It will replay event recording only in the Floating Mode with option Auto replay checked. The maximum replay time is 120 seconds. If the event duration is longer than 120 seconds, it will not replay the full event duration.



The setting is located in the Operation Mode page of Preferences dialog.


No event mode

Use the settings below, user can drag connected camera to the specified location in split screen. When there is no event, the screen will display site name & camera name only.



The setting is located in the Operation Mode page of Preferences dialog.

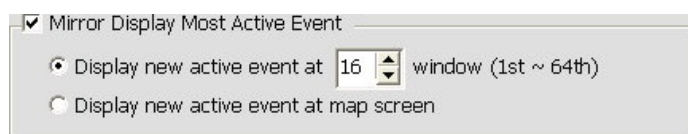
Viewer mode (with LIGHT-BLUE title bar)

Select a camera from camera list and click  button (located at the bottom of camera list) can display video as View mode.



Mirror mode (with RED title bar & YELLOW timecode)

Display video at fixed location when there is an event. Use the setting below can set video display as Mirror mode.




Note: The display colors of various modes are using default settings. If you want to change the display color, please go to Caption page of Preferences dialog.

Maximize Split Screen Size

If there are 4, 9, or 16 split screens displayed, double-click a split screen to enlarge its size and temporarily cover its three neighboring screens. To restore the split screen back to its normal size, click right mouse button on it. How split screens are maximized depends on the total number of split screens that are currently displayed on the huperCenter program window.

Play Live Sound

Select a video in the split screen and press  button in the main UI can play live sound

from the remote site (if the video has audio recording). Press  again to stop playing.

Using Camera List

Interface Introduction

The server list can display connected remote sites & cameras. The main components of this list are listed below:



- | | | |
|----------|-------------------|---|
| 1 | Server List | Display currently connected remote sites & cameras. |
| 2 | Server Info | Display selected remote site information. |
| 3 | Function & Status | Function buttons & status information. |

The icons displayed in the server list are listed below.



Connected online remote site(with green text)



Connected off-line remote site(with gray text)



Connected online camera(with green icon)



Connected online idle camera(with yellow icon)



Connected online camera during event duration(with red icon)



Connected off-line camera(with gray icon)



Connected online PTZ camera(with green icon)



Connected online idle PTZ camera(with yellow icon)



Connected online PTZ camera during event duration(with red icon)



Connected off-line PTZ camera(with gray icon)




Check/uncheck to connect/disconnect remote site or camera.

Note: Off-line remote site means the DVR site in the list is not activated or the site stop sending data to huperCenter.

Note: Use + or – to expand or shrink the camera list.

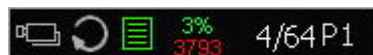
The server info displayed can be added in the Remote User Account Setting dialog. Follow the steps below to add or modify server info:

1. Click the button  in the main UI.
2. Select site from Remote User ID combo list.
3. Click Modify button to change site information.
4. Click OK to save the modifications.
5. Click OK or Cancel (if you don't change other settings) to exit dialog

Only the Site Name, Contact Person, Telephone Number, Address will be displayed in the server info.

Function & Status Features

The function features of Function & Status bar are described below:



Connect/disconnect selected camera as Viewer mode



Refresh server list



Show/hide server info



Current system CPU usage



Current number of event records in the Event List



Connected camera number/total connectable camera number



Current split screen page location

Other Operations

Rename Server

Select a site and press right mouse button will pop-up



menu. Select Rename command can change remote site name displayed in the list (the original name is not changed).

Remove Server

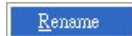
Select a site and press right mouse button will pop-up



menu. Select Delete command can remove remote site from the list temporarily. The removed site will appear in the list when huperCenter is restarted.

Rename Camera

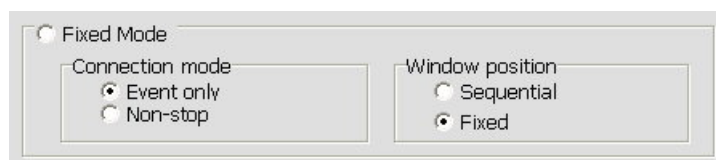
Select a site and press right mouse button will pop-up



menu. Select Rename command can change camera name displayed in the list (the original name is not changed).



Drag Camera to Split Screen

Use the setting below, user can drag connected camera to the specified location in split screen.



The setting is located in the Operation Mode page of Preferences dialog.

Voice Communication

Select a remote site in the list and press  button in the main UI can do voice communication with remote site. Press  again to stop communication.

Using Event List

Interface Introduction





Site ID	Event Type	Event Time	Received Time	Detail
4CH	Motion	02/06 18:18:36	02/06 18:18:37	2:Camera 2
4CH	Motion	02/06 18:17:38	02/06 18:17:39	(00:00:56) 2:Camera 2
4CH	Motion	02/06 18:16:47	02/06 18:16:48	(00:00:40) 2:Camera 2
4CH	Motion	02/06 18:15:49	02/06 18:15:50	(00:00:54) 2:Camera 2
4CH	Motion	02/06 18:15:12	02/06 18:15:13	(00:00:13) 2:Camera 2
4CH	Motion	02/06 18:15:04	02/06 18:15:05	(00:00:05) 1:Camera 1

The event list can display connect/disconnect operations & all remote site events connected to huperCenter. The main components of this list are listed below



Mark icon


If you want to take special notice with certain events, select them in the list and click  button to set mark. There will be an  icon and the event will display with specified color (see the picture below).



Site ID	Event Type	Event Time	Received Time	Detail
4CH	CONNECT	03/05 17:52:57	03/05 17:53:14	kira-2@192.168.0.164
4CH	CONNECT	03/02 13:33:36	03/02 13:33:57	kira-2@192.168.0.164
4CH	CONNECT	03/02 13:23:36	03/02 13:23:57	kira-2@192.168.0.164
4CH	DISCONNECT		03/02 13:23:44	
4CH	CONNECT	03/02 13:21:16	03/02 13:21:37	kira-2@192.168.0.164
4CH	DISCONNECT		03/02 11:57:24	




Attached icon

There is an  icon in this column when the remote site is sending events with snapshots.



Archive icon

There is an  icon in the column when the event recording data is existed in the huperCenter site (downloaded from remote site).

Site ID	Remote site name (can be changed in the camera list)
Event Type	Event type (CONNECT, DISCONNECT, MOTION, etc.)
Event Time	Event starting time at remote site
Received Time	Time when huperCenter receive event
Detail	Display event detail contents, the display format is Event_Type/Event_Format: CONNECT/server_name@ip DISCONNECT/none MOTION/(event_duration) camera_number:camera_name

Function Button Features

There are function buttons in the right side of event list. The features are listed below:



Play selected event recording data or snapshot.



Download selected event recording data.



Set/Cancel mark with selected events.



Switch to E-Map mode.



Maximize the event list/Shrink back to normal size.

Under dual-screen mode (only support resolution 2048x768 extended desktop), the event list will be sent to second screen.



Remove the selected events from list.



Restore events from backup.



Backup selected events (or all events).



Event list display filter (only available in maximum mode).



Print event report (only available in maximum mode)

Event List Operations

Multiple selection

To multiple-select events, use shift+click or ctrl+click to select items in the event list.

Sorting list

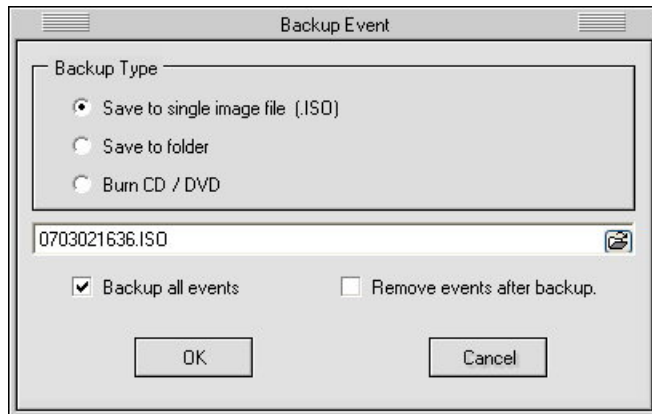
Click column index to sort event list with select column condition.

Export video files

Select event(s) and right+click it will pop-up menu. huperCenter can export event recording data as AVI or EXE file.

Backup Events

Press  button will pop-up Backup Event dialog as below:



Backup types:

Save to single image file Backup selected events as ISO image file.

(.ISO)

Save to folder Backup selected events to specified folder.

Burn CD/DVD Backup selected events and burn into CD/DVD.

Note: When the backup is under process, the  icon will flash repeatedly till the backup is done.

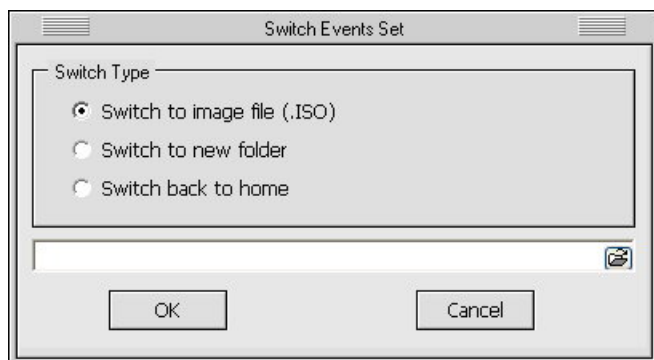
Backup options:

Backup all events Check this option will backup all events.

Remove events after
backup Check this option will remove events after backup is done (it will
remove selected or all events depending on the backup option).

Switch Events Set



Press  button will pop-up Restore Events Set dialog as below:



Switch types:




- | | |
|-----------------------------|--|
| Switch to image file (.ISO) | Select ISO image file to load events and switch working directory to virtual disk (generated from ISO image file). |
| Switch to new folder | Select folder to load events and switch working directory to selected folder. |
| Switch back to home | Switch back to original event list. |

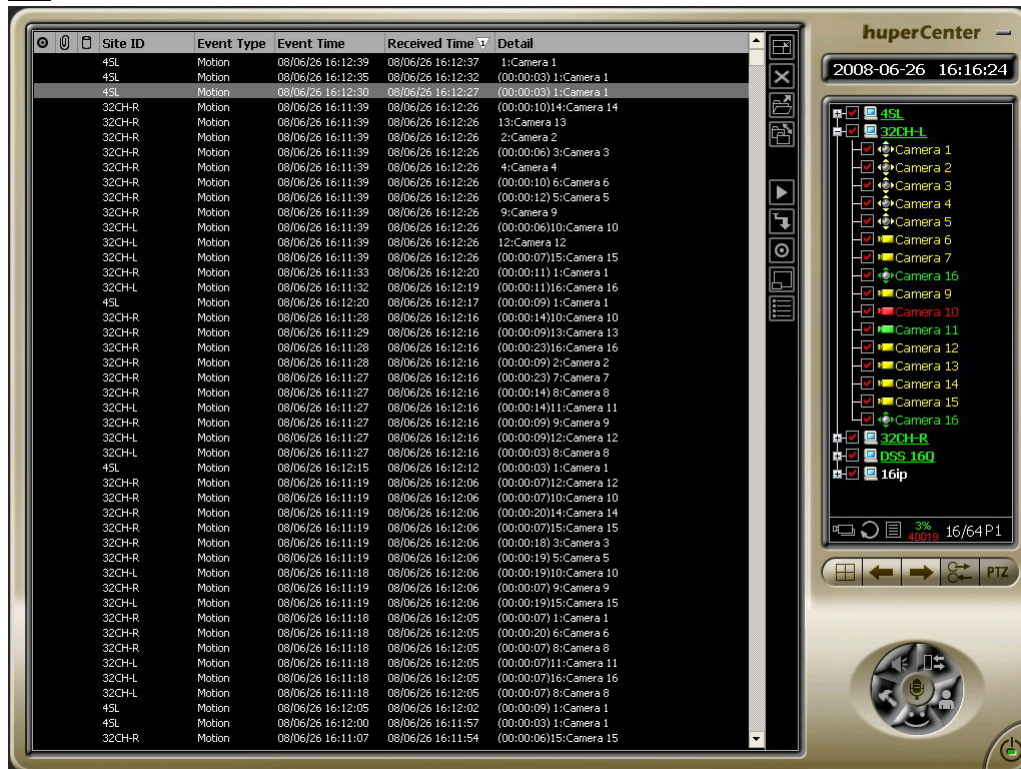
When backup is loaded, the event list will display with specified color (see the picture below).




The icon  is also changed to switch mode .

Site ID	Event Type	Event Time	Received Time	Detail
Local Site	Motion	03/13 14:10:02	03/13 14:10:05	4:Camera 4
Local Site	Motion	03/13 14:08:59	03/13 14:09:03	(00:00:05) 2:Camera 2
Local Site	Motion	03/13 14:08:41	03/13 14:08:44	(00:00:06) 2:Camera 2
Local Site	Motion	03/13 14:08:33	03/13 14:08:37	(00:00:15) 4:Camera 4
Local Site	Motion	03/13 14:08:18	03/13 14:08:22	(00:00:12) 4:Camera 4
Local Site	Motion	03/13 14:07:41	03/13 14:07:44	(00:00:05) 4:Camera 4

Maximize the event list/Shrink back to normal size

Press  button will maximize the event list as below, the button icon  is also changed to .



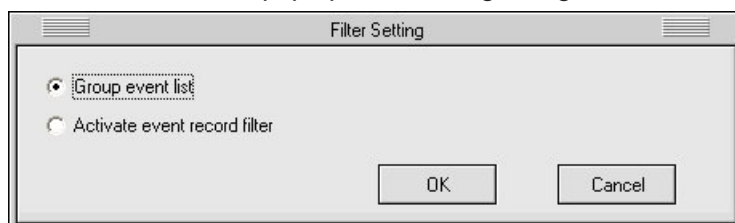
Press  button will shrink the event list back to normal size,  is also changed back to .



Under dual-screen mode (only support resolution 2048x768 extended desktop), the event list will be maximized & sent to second screen.

Event list display filter

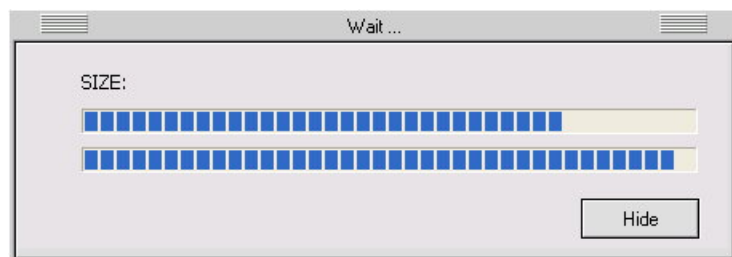
Press  button will pop-up Filter Setting dialog as below when event list is maximized.



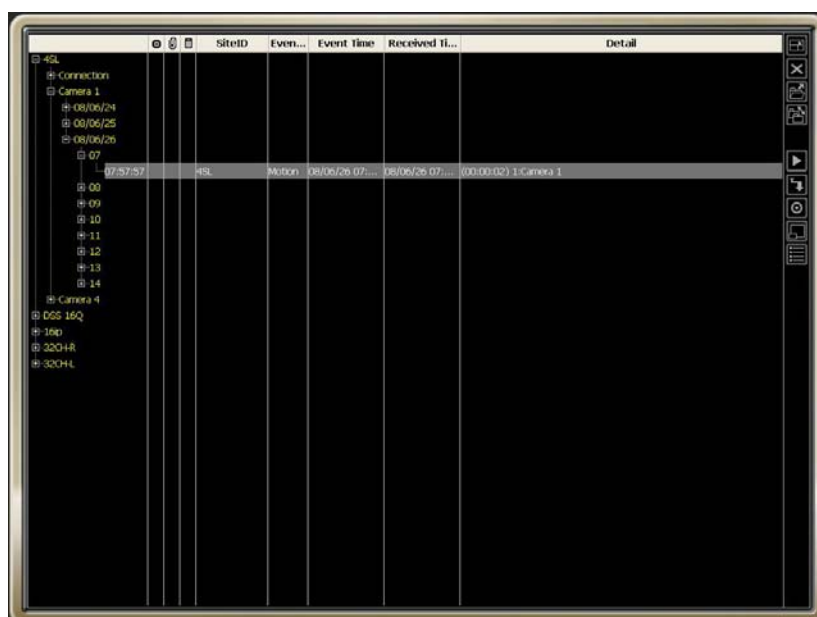
Filter types:

Group event list	Display event list in tree-structure mode.
Activate event record filter	Activate event record filter. Please see the following section for details.

Select option Group event list and click OK will start group processing.

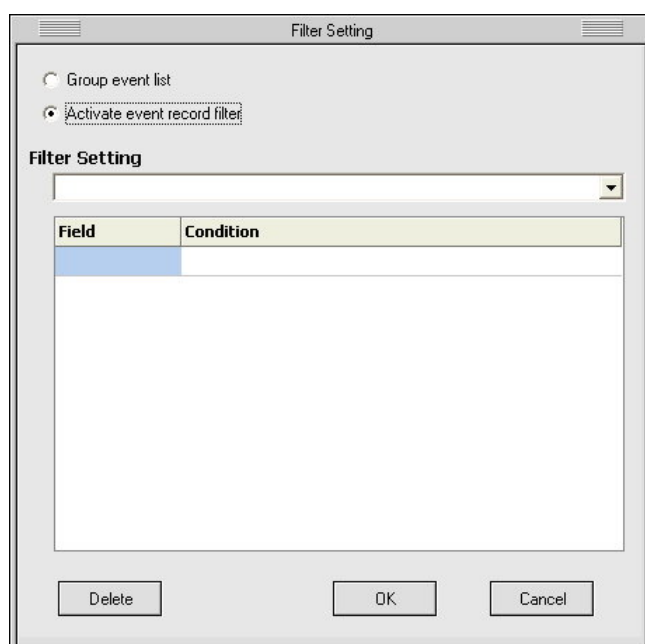


After processing, the event list will display in tree-structure mode as below:



It will display progress bar when creating tree-structure. The creating speed is depending on the number of events in the list. The hierarchical structure is: Remote site --> Camera --> Date --> Time (hour).

Option Activate event record filter is using event filters to filter out events. It will display additional filter interface as below:



Click Field column will pop-up filter criteria menu. Select criteria from menu and then set rule in the Condition column. Name the whole criteria set in the Filter Setting combo box and press OK will save the criteria. You can select the criteria from the combo box for future needs.

Criteria condition can combine with multiple rules. The relationship between rules is AND (logical operator). See the table below for criteria & rule operator:

Marked	=\$ON
	= \$OFF
Attached	=\$ON
	= \$OFF
Downloaded	=\$ON
	= \$OFF
Site ID	comparison-operator + string
Event Type	comparison-operator + string

Event Time comparison-operator + string

Received Time comparison-operator + string

Detail comparison-operator + string

- comparison-operator: =, !=, >, <, >=, <=
- string: " macro+operator+number+target"
- macro: \$M(first day of the month), \$W(first day of the week), \$D(the present day)
- operator: +, -
- The unit of number depends on the macro type.
- target: "...", "*...", "...*", "*...*", "*" is wild-character
- The target can only set as "..." if the comparison-operator is not "="

After adding filter option, the event list will display with icon  as below:



Emap Mode

Press  button can switch split screen to E-Map mode as below:



The operation interface of E-Map mode is listed in the table below:




huperCenter site location



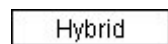
Connected DVR site location



Connected camera location, the icon will change to  when there is an event



Map display mode switch



Overview map

This view shows the location of current map view.





Scale meter

Current display scale of the map


Enlarge mode

Press this button to switch to enlarge mode. Using mouse to drag an area can enlarge to proper scale.

Arrows

Press arrow button will move a certain distance according to the arrow direction.

Original view

Press this button will display map with  as origin by default scale.

Zoom slider

Drag the zoom slider up or down to zoom in or out incrementally.



There are 3 display type of E-Map mode.



Satellite




Hybrid



Other operation of E-Map mode is listed in the table below:

Move map	Press and hold left mouse button can drag map directly.
Exit	Press right mouse button and choose Exit from pop-up menu to exit E-Map mode.
Change origin location	Press right mouse button and choose Pan to from pop-up menu, then choose DVR site & camera. It will reset map origin to the selected location.

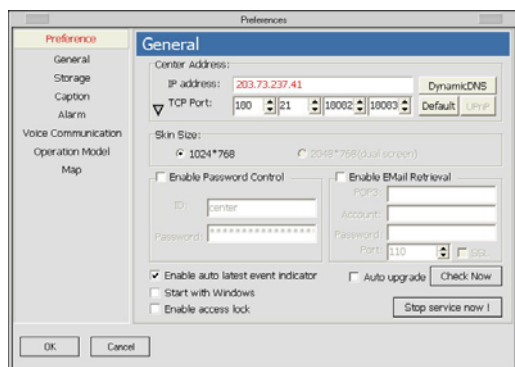
Setting Preferences

Press  button in the main UI will pop-up Preferences dialog. There are 6 pages of this dialog. Detail contents of these pages are described in the following sections

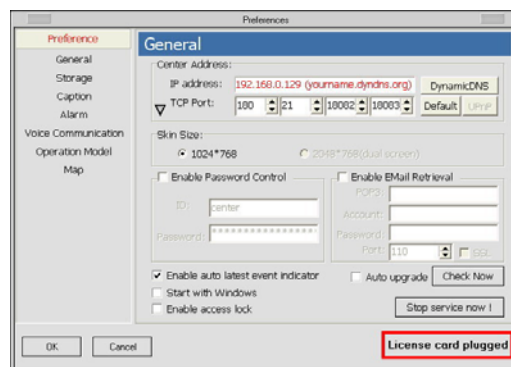
huperCenter License Validation

huperCenter can connect up to 4 sites with free license or up to 500 sites with huperCenter license card plugged in.

When license card is plugged in, there is a text message “License card plugged” displayed in the bottom-right corner of the Preferences page.

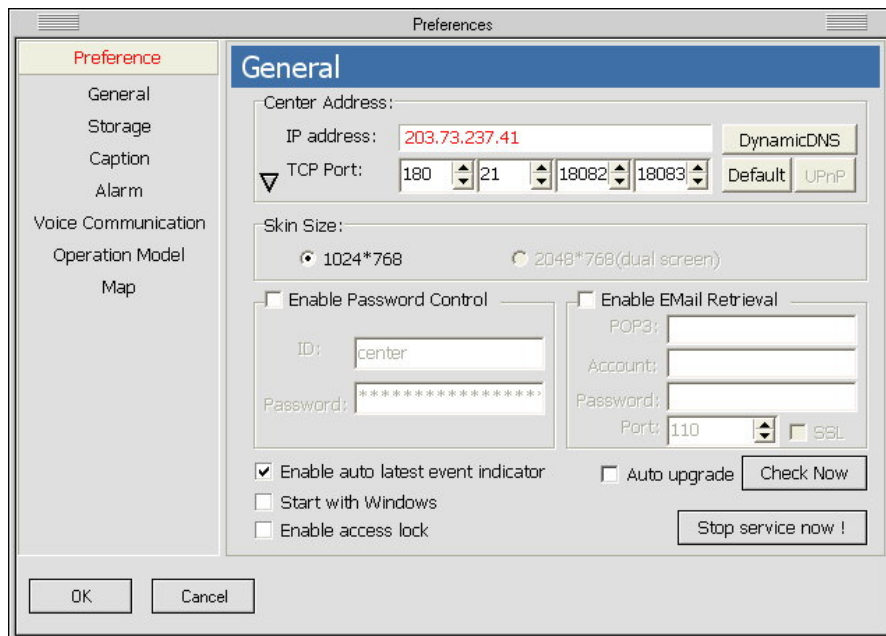


huperCenter with free license




huperCenter with license card

Preferences General Page



The settings in this page are listed below:

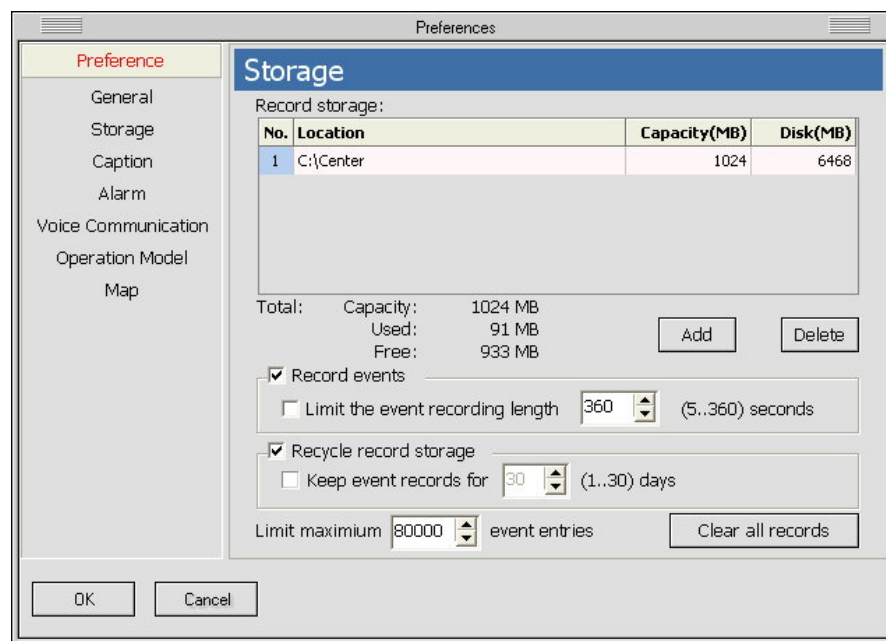
Center Address	huperCenter connection address for remote sites.
Skin size	Set program display resolution (2048*768 is enabled under dual screen mode).
Enable Password Control	Set password control when remote sites connecting to huperCenter.
Enable Email Retrieval	Check this option and set related values can receive mails from remote sites.
Enable auto latest event indicator	Check this option will mark the latest event in the list with specified color.
Start with windows	Check this option to run huperCenter when Windows is started.
Enable access lock	You need to enter username & password to use huperCenter features if checking this option. Press  button in the main UI can switch status between login/logout.
Auto upgrade	It will check the latest upgraded program version if this option is checked.
Check Now	Click this button will check the latest upgraded program version immediately.

Stop service now/

Activate service now

Click Stop service now button will stop connection with remote sites. Click Activate service now button will re-connect remote sites.

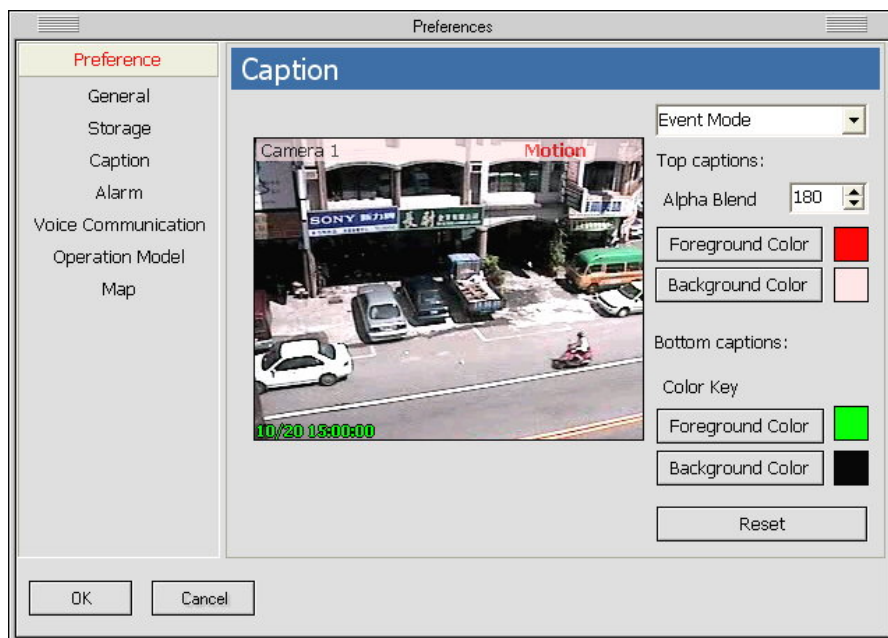
Preferences Storage Page



The settings in this page are listed below:

- | | |
|-----------------------------|---|
| Record storage | Set the event recording location. |
| Record event | huperCenter will do event recording if checking this option. If the option Limit the event recording length is checked, huperCenter will stop record data when the event duration exceeds the limitation. |
| Recycle record storage | huperCenter will start recycling record data when the available free space is under 100MB. If the option Keep event records is checked, the record data will start recycling after the assigned days unless the free space is not enough. |
| Limit maximum event entries | Set the maximum number of event entries. Event record will be removed when exceeding the limitation. The maximum number of limitation is 99999. |
| Clear all records | Click this button will remove all records in the event list. |

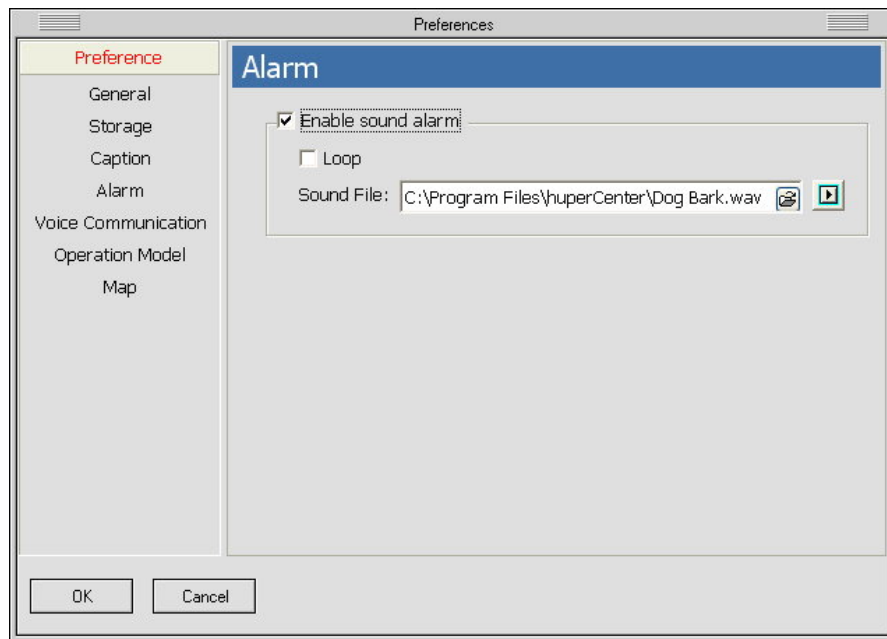
Preferences Caption Page



The settings in this page are listed below:

Mode selection	Select item from list to change caption settings between various modes.
Alpha Blend	Adjust the title bar transparency.
Color selection	Click the color icon to select text/background color from color picker.
Reset	Reset the caption display settings to default values.

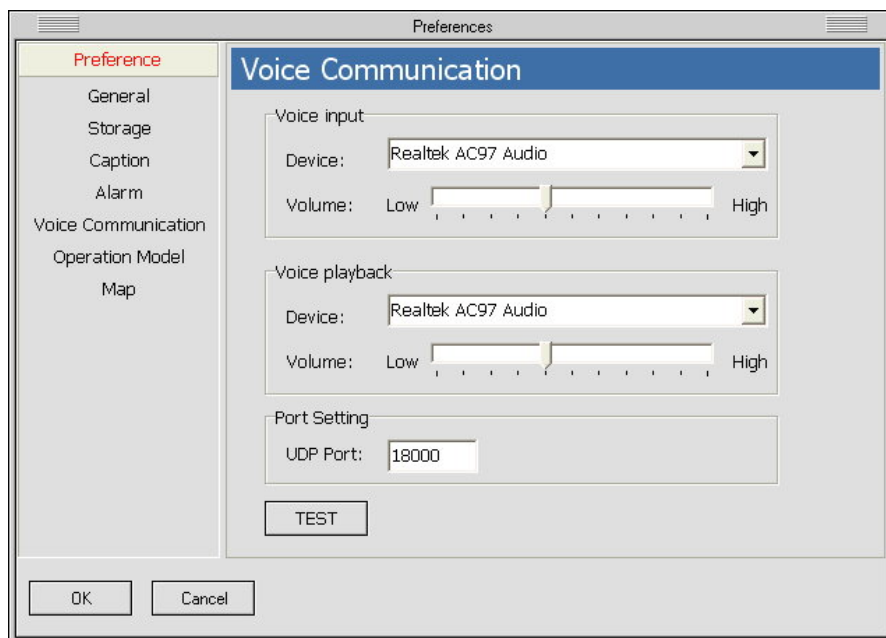
Preferences Alarm Page



The settings in this page are listed below:

Enable sound alarm	Check this option will play sound alarm file when there is an event. Check the sub-option Loop will playback alarm sound file repeatedly.
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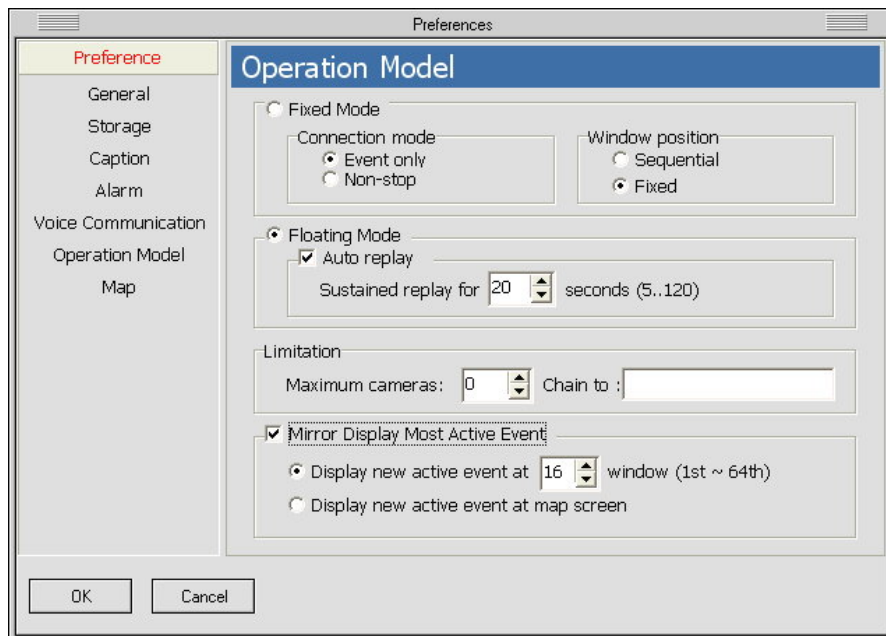
Preferences Voice Communication Page



The settings in this page are listed below:

Voice input	Select device and volume vale for voice input.
Voice playback	Select device and volume vale for voice playback.
Port Setting	Set UDP port for voice transmission.
TEST	Click this button to test input & playback devices.

Preferences Operation Mode Page



The settings in this page are listed below:

Fixed Mode

Display video at fixed position.

- Option Event only in Connection mode will display video only when event happened.
- Option Non-stop in Connection mode will display video continuously.
- Option Sequential in Window position will arrange camera position according to connection order.
- Option Fixed in Window position can arrange camera by dragging to target position.

Floating Mode

Display video at floating position, i.e., display video at available empty position. If option Auto replay is checked, it will replay event in replay mode automatically.

Limitation

Limited number of connected camera; the connection limitation depends on the connection order including assigned cameras or transferred cameras from other huperCenter sites. huperCenter will not receive camera if the limitation is reached.

- Maximum cameras = 1~8000
Limited camera receiving number
- Maximum cameras = 0
Disable limitation, huperCenter can receive transferred cameras from other huperCenter sites.
- Maximum cameras = -1
Disable receiving, huperCenter will not receive any transferred cameras from other huperCenter sites.

huperCenter will transfer cameras to assigned Chain to huperCenter site if the connection limitation is reached (receiving or not depending on the settings of Chain to site).

Mirror Display Most Active Event

Display new active event at window

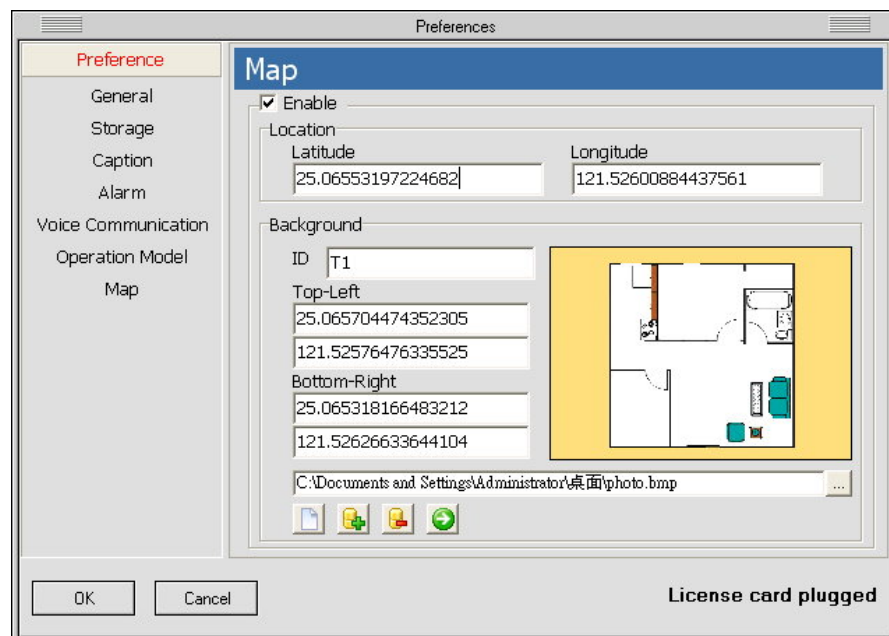
The most updated event will display at assigned position. It will always play the new event (whatever the previous event is ended or not).

Display new active event at map screen





The most updated event will display at map screen. This option is only effective at E-Map mode.




Preferences Map Page



The settings in this page are listed below:

- | | |
|-----------|--|
| Enable | Enable E-Map mode. It will activate this option when press OK button and restart huperCenter program. |
| Location | Current longitude and latitude |
| Backgroun | <p>ID : Map data ID; need to input non-blank & non-repeated ID.</p> <p>Top-Left : top-left latitude & longitude of map</p> <p>Bottom-Right : bottom-right latitude & longitude of map</p> <p> : New empty map data set</p> <p> : Add to current map data set</p> <p> : Remove from current map data set</p> <p> : Switch to next map data</p> |

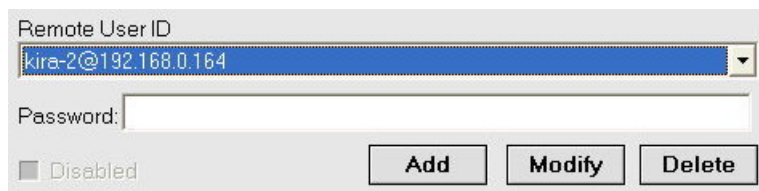
Setting Accounts

Press  button in the main UI will pop-up Remote User Account page. Detail contents of the dialog are described in the following sections.

Setting Remote User Account

The main components of this Remote User Account page can be separated into 3 parts: account management, account data, global settings.

Account Management




Remote User ID	Remote user ID list, the display format: computer_name@ip_address.
Password	Specified password for remote connection if option Password Control is checked.
Disabled	Disable remote site connection temporarily.
Add	Add new remote user account.
Modify	Modify selected remote user account data.
Delete	Delete selected remote user account.

Account Data

Site Name: 4CH	Contact Person:
E-Mail: 	Telephone Number:
Mobile Number: 	FAX Number:
Address: 	
Creation Date: 2007/2/5 下午 01:23:29	Access Date: 2007/2/7 上午 10:58:13
Note: 	

Site Name	Remote site name (will be add automatically when option Enable Auto User Addition is checked)
Contact Person	Contact person text (for reference)
E-Mail	Email address text (for reference)
Telephone Number	Telephone number text (for reference)
Mobile Number	Mobile number text (for reference)
FAX Number	FAX number text (for reference)
Address	Address text (for reference)
Creation Date	Date & time when adding this account
Access Date	Last access date & time of this account
Note	Description text for this account (for reference)

Note: These entries can be edited only when adding or modifying remote user account.


Note: Some entries (Site Name, Contact Person, Telephone Number, Address) will be displayed in the camera list when show server info  is on.

Global Settings

<input type="checkbox"/> Account Control	
<input type="checkbox"/> Password Control	
<input checked="" type="checkbox"/> Enable Auto User Addition	
<div>OK</div> <div>Cancel</div>	


Account Control	Enable account control. Only the remote users in the Remote User ID list can connect to huperCenter.
Password Control	Enable password control. Need to enter password for remote connection.
Enable Auto User Addition	Add remote user account to the list automatically when connecting to huperCenter at first time.

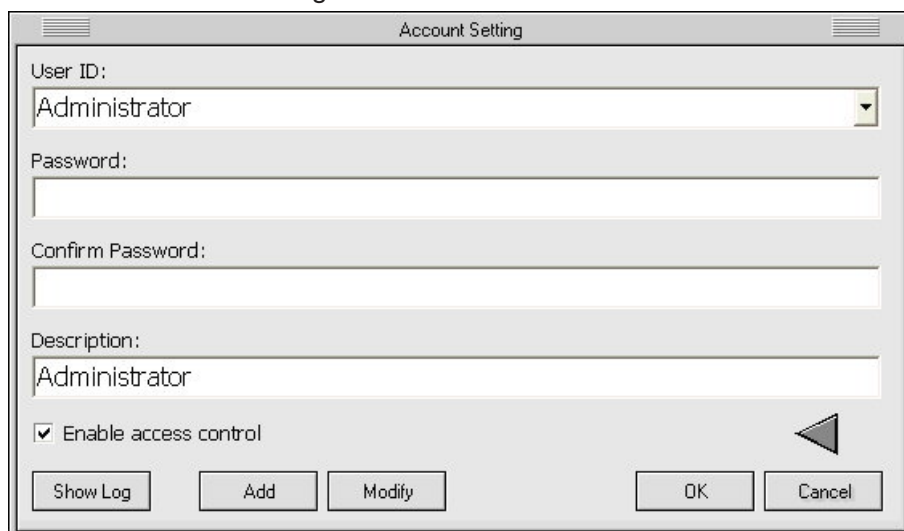
Note: This option will be disabled when option "Account Control" and/or "Password Control" are enabled.

	Switch to Center User Account page.
Cancel	<ol style="list-style-type: none"> 1. Close Remote User Account dialog and back to huperCenter main UI. 2. Or, end account editing mode without saving (click Add or Modify button to add or change account data) & back to Remote User Account dialog.
OK	<ol style="list-style-type: none"> 1. Close Remote User Account dialog and back to huperCenter main UI. 2. Or, end account editing mode with saving (click Add or Modify button to add or change account data) & back to Remote User Account dialog.

Note: The option "Enable Auto User Addition" will be disabled when option "Account Control" and/or "Password Control" are enabled.



Setting Center User Account

Press  button in the Remote User Account page can switch to Center User Account page. Detail contents of the dialog are described below.



The 'Account Setting' dialog box contains the following fields and controls:

- User ID:** A dropdown menu with 'Administrator' selected.
- Password:** A text input field.
- Confirm Password:** A text input field.
- Description:** A text input field with 'Administrator' entered.
- Enable access control:** A checked checkbox.
- Buttons:** 'Show Log', 'Add', 'Modify', 'OK', 'Cancel', and a left arrow button.

User ID	Center user account list
Password	Password for activate huperCenter operation
Confirm Password	Add remote user account to the list automatically when connecting to huperCenter at first time.
Description	Description text for selected user (for reference)
Enable access control	Enable access control feature. Need to enter username & password to unlock huperCenter features (click  button to login/logout huperCenter).
Show Log/Hide Log	Show/hide account operation log
Add	Add new center user account.
Modify	Modify selected center user account data.
Delete	Delete selected center user account.
	Switch to Remote User Account page.
OK	<ol style="list-style-type: none"> 1. Close Center User Account dialog and back to huperCenter main UI. 2. Or, end account editing mode with saving (click Add or Modify button to add or change account data) & back to Center User Account dialog.

Cancel

1. Close Center User Account dialog and back to hyperCenter main UI.
2. Or, end account editing mode without saving (click Add or Modify button to add or change account data) & back to Center User Account dialog.

View Account Operation Log

Press Show Log button in the Center User Account page will display Account Operation Log as below. Use + or – to expand or shrink the operation record. Press Hide Log button will hide the log list.

	Action	Comment
[-] Administrator		
+ 2007/01/23		
+ 2007/01/24		
+ 2007/01/25		
+ 2007/01/26		
+ 2007/01/29		
+ 2007/01/30		
+ 2007/01/31		
+ 2007/02/01		
+ 2007/02/05		
+ 2007/02/06		
[-] 2007/02/07		
10:58:04	Start this center program.	AccessControl,Fixed
11:22:08	Logout.	
13:47:38	Logout.	
14:41:10	Watch action log.	
16:16:32	Watch action log.	
16:23:52	Watch action log.	
18:18:27	Stop program.	AccessControl,Fixed
+ 2007/02/13		
+ 2007/02/27		
+ 2007/03/01		