

M-CLIENT MANUAL

ver 2.0.3

M-CLIENT MANUAL

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I M-Client Introduction

M-CLIENT MANUAL

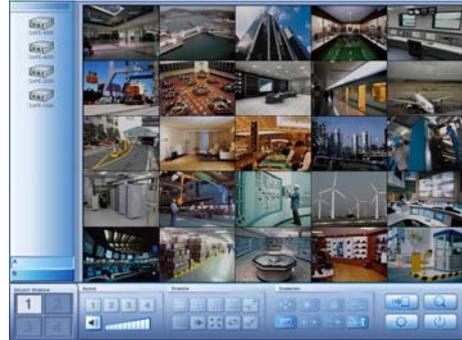
Functions ·
Hardware Spec ·

I M-client Introduction

M-Client is a remote monitoring program that enables user to monitor and record image of many DVRs installed in remote sites and to search recorded image in server DVR.

1. Functions

- Connection to many DVR simultaneously.
(Max: 20 DVRs)
- Real time monitoring
- Image record
- Camera control in remote sites



- Image search
- Control and setup of DVR from a remote site.
(SAFEMODE / Remote setup)
- Image Backup(FDD) and Print
- Duplex audio

2. Hardware Spec

M-Client is a remote monitoring software to operate so easily and conveniently by installing software in user's PC. Please refer to below recommended hardware spec for good operation.

CPU	RAM	VGA card	Operation System.
Intel Over Celeron 1.7Ghz	Over DDR 256MB	Over ATI 32M	Over Windows 2000
Network adapter	Sound device	HDD Drive	Others
10/100Mbps	Mic & speaker	Option	FDD & Printer

IM-Client Software

M-CLIENT MANUAL

Installation ·
Uninstallation ·

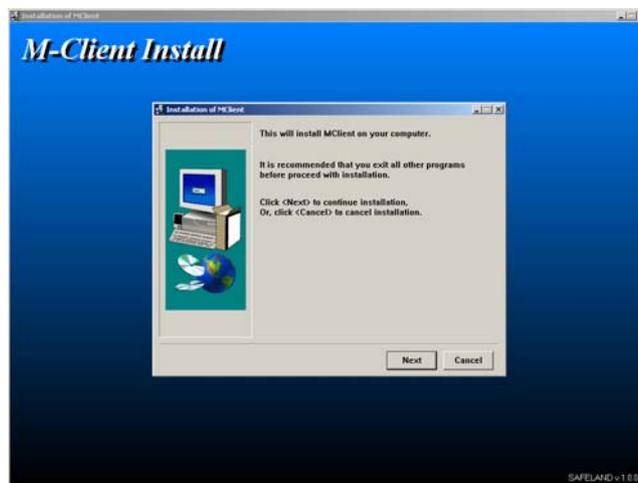
Π M-client Software

1. Installation

1) Please install software by double-clicking installation file (.exe file)

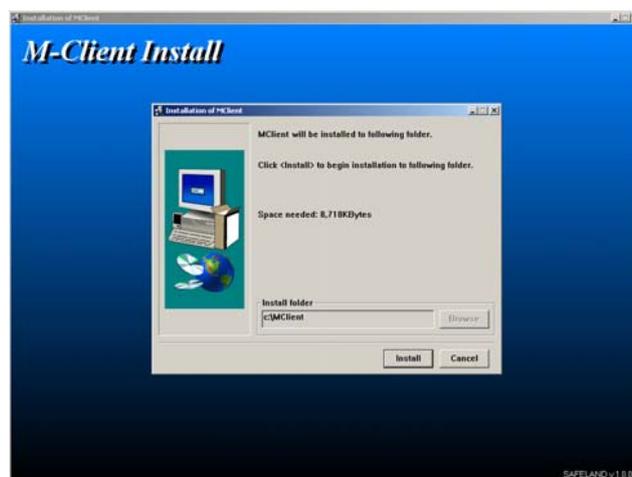


2) Please process the installation by clicking [Next] button



3) The location of the standard installation is C:\M-Client

Please start the installation by clicking [Install] button.



* It is impossible to change the location of the standard installation.

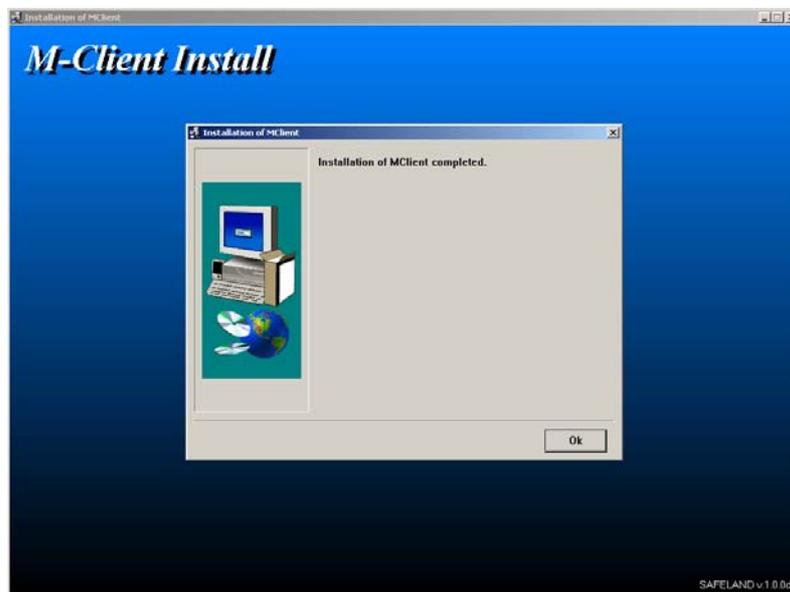
* When you want to change fixed location, please contact with distributor or selling agency.

II M-client Software

4) When below screen appears, please process the installation by clicking [Yes] button.



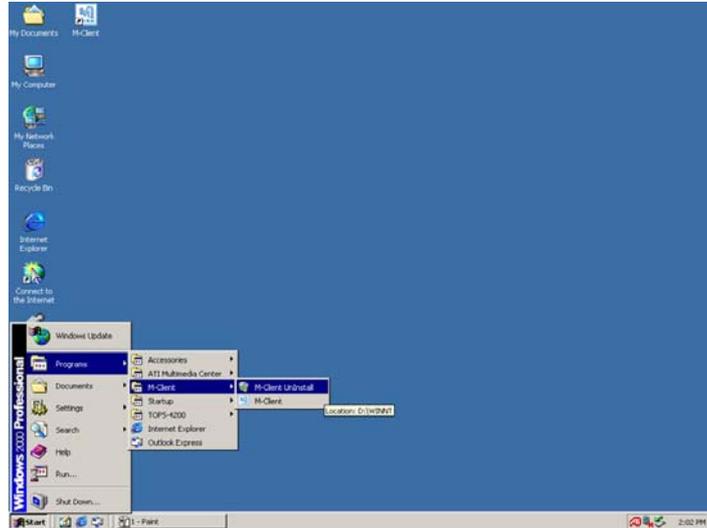
5) Installation process ends up. Please complete the installation by clicking [OK] button.



II M-client Software

2. Uninstallation

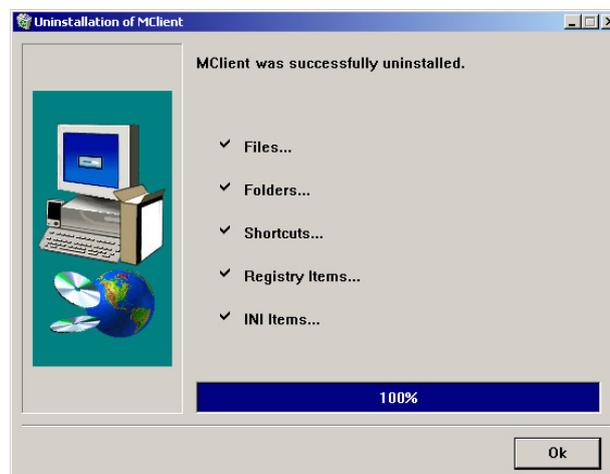
1) Please find [M-Client Uninstallation] under [M-Client] / [Program] in [Start] menu in windows screen.



2) Please process the uninstallation by clicking [Yes] button.



3) Please complete the uninstallation by clicking [OK] button

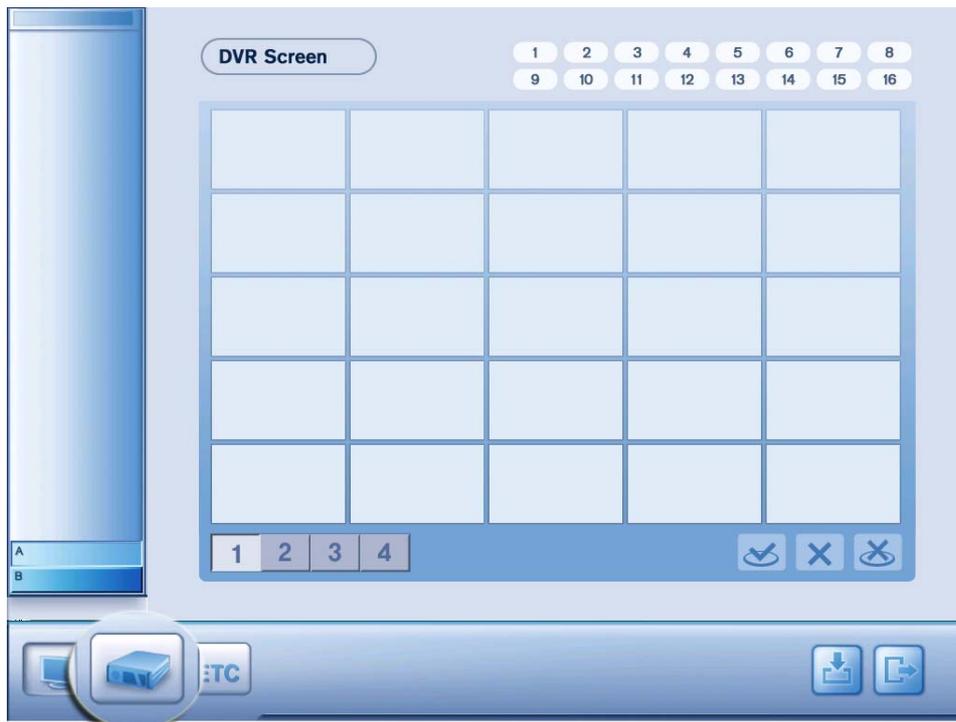


III Standard Operation

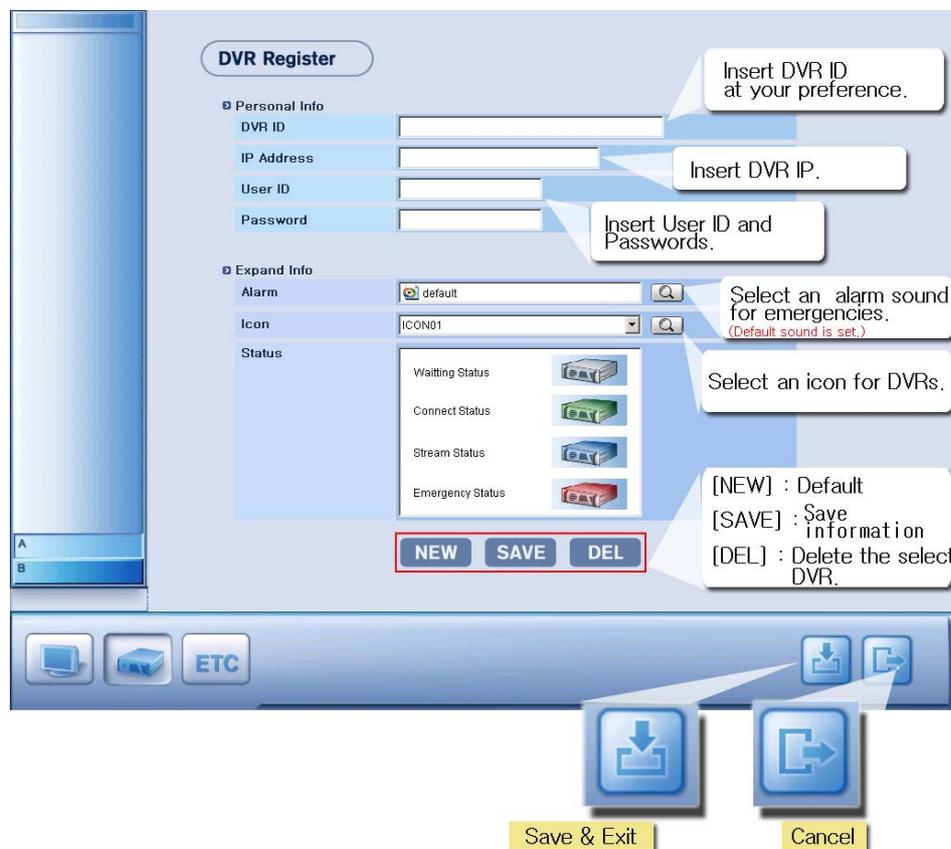
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DVR Registration / Screen Setup ·
Connection ·
Screen / Camera Control ·

III Standard Operation



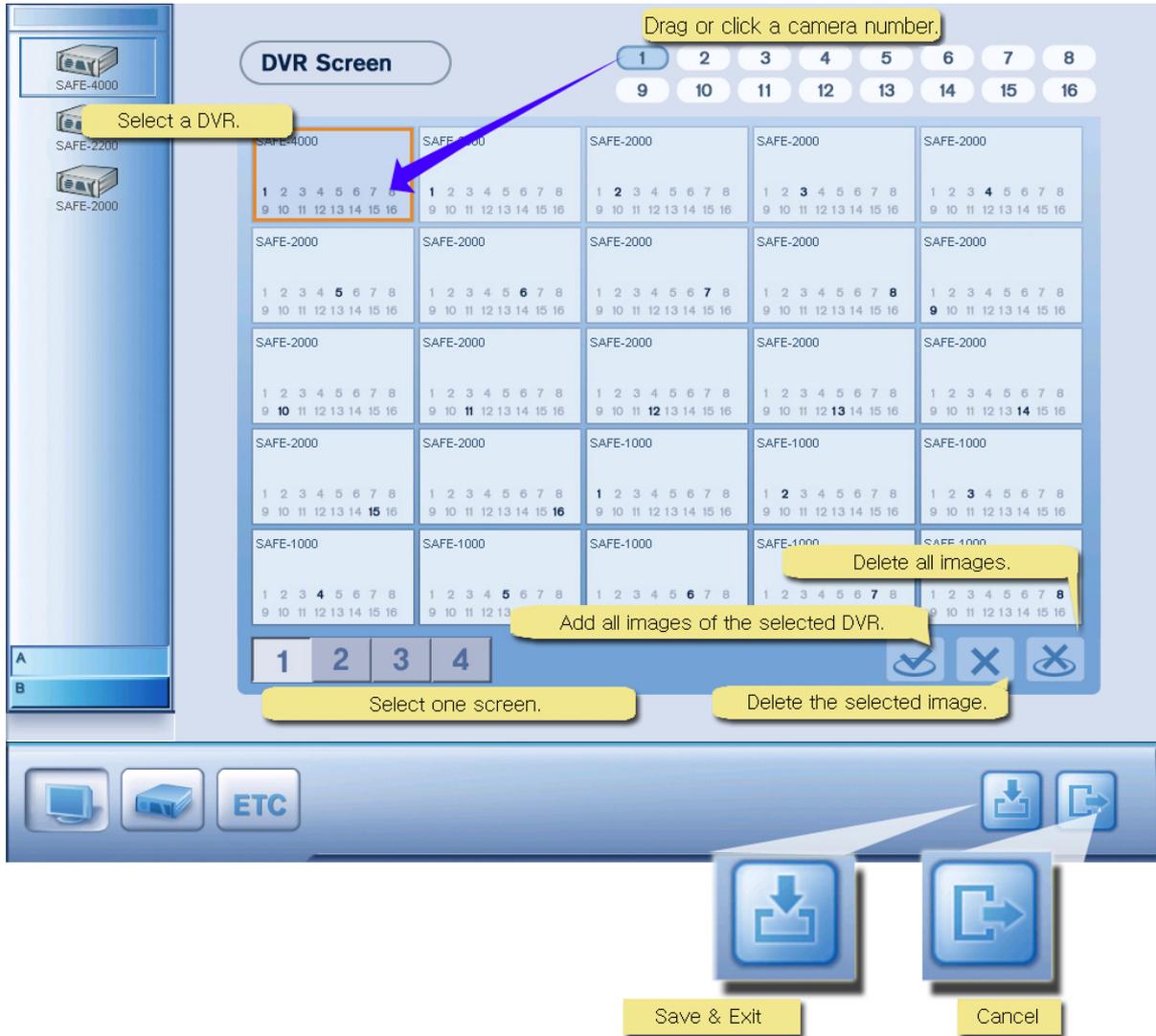
Press DVR button and register DVRs.



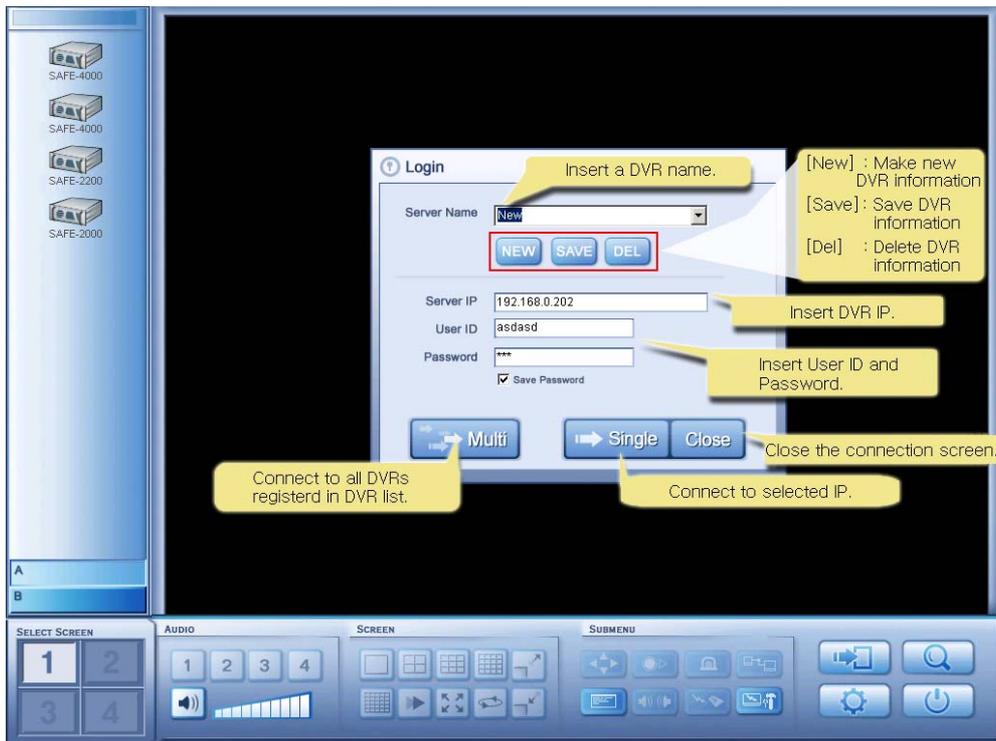
III Standard Operation

2. Connection

There are three types of connection - Multi connection, Single connection and Shortcut connection.



III Standard Operation



1) Multi connection

It is to connect all DVRs registered in M-Client at the same time. When user clicks [Multi] button in the connection window, it tries to connect to all DVR registered in M-Client automatically. (Registered DVR icons appear on the left side). User can monitor all camera images in setup screen at real time. Each DVR icon has different color by its connection status. 'Green' means connection status. 'Blue' means streaming status. 'Gray' means non-connection status of DVR. 'Red' means emergency status. User is able to check DVR's connection status immediately.

* *Streaming: It means it is in the transmitting process of images and DVR information when M-Client is connected to a DVR.*

2) Single connection

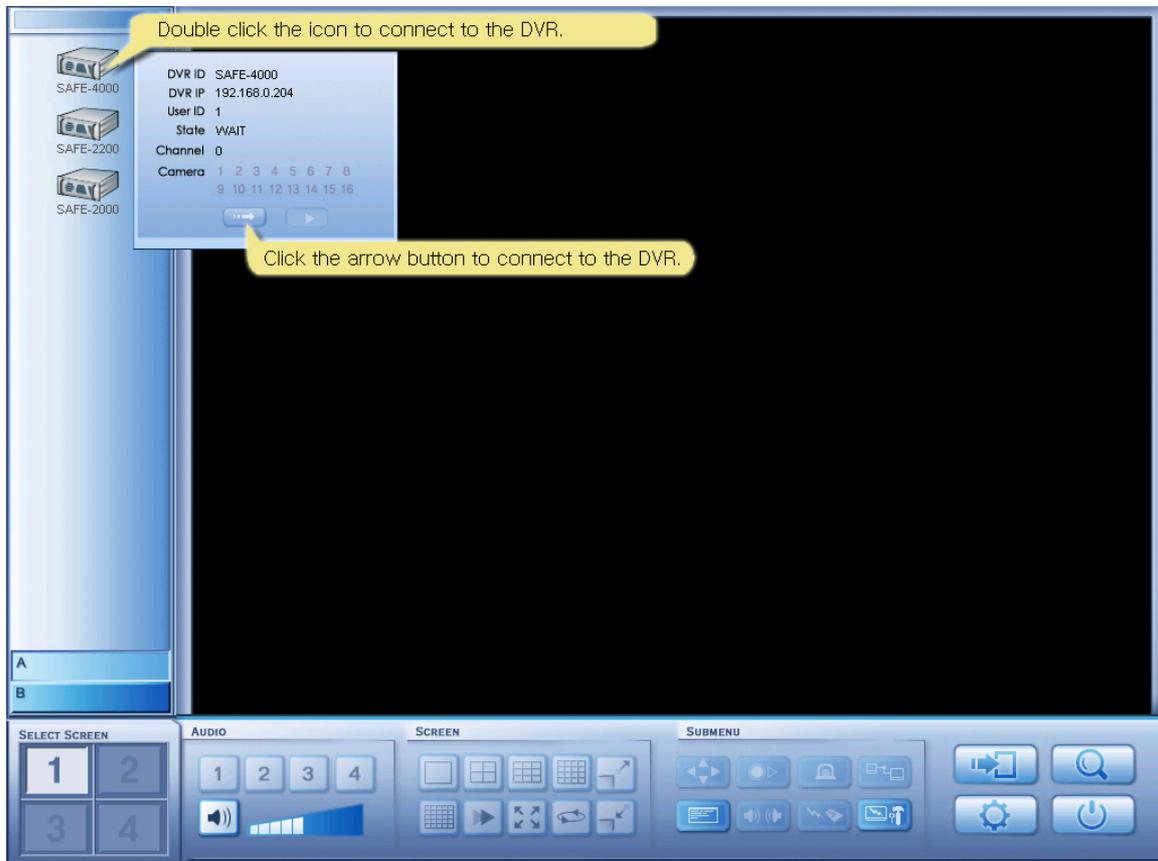
It is to connect one DVR user inserts information directly in the connection window.

It is only to connect one DVR at real time. So user is not able to set up screen as he/she wants. User is able to do the single connection by clicking [Single] button after inserting DVR information in the connection window.

3) Shortcut connection

It is to connect one DVR by selecting registered DVR icon on the left side of monitoring screen. When user put mouse point on one of the registered DVR icons, he/she is able to see the connection information of selected DVR and monitor images by double-clicking connection button.

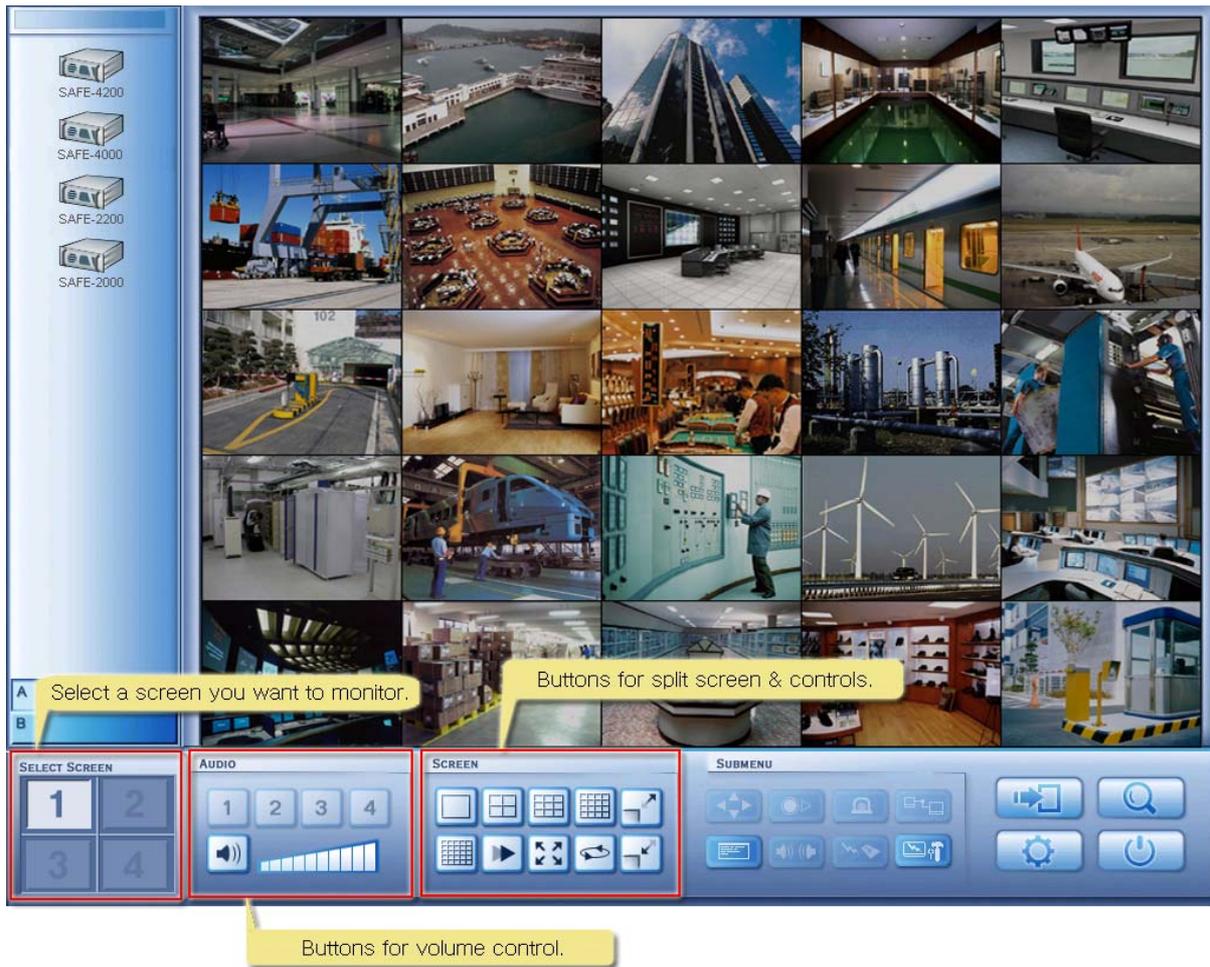
III Standard Operation



III Standard Operation

3. Screen / Camera Control

1) User is able to monitor camera images with various split screens - 4/9/16/25. There are full screen, reduce & enlarge of screen, screen rotation and next screen function. User is able to control P/T/Z cameras from remote sites.

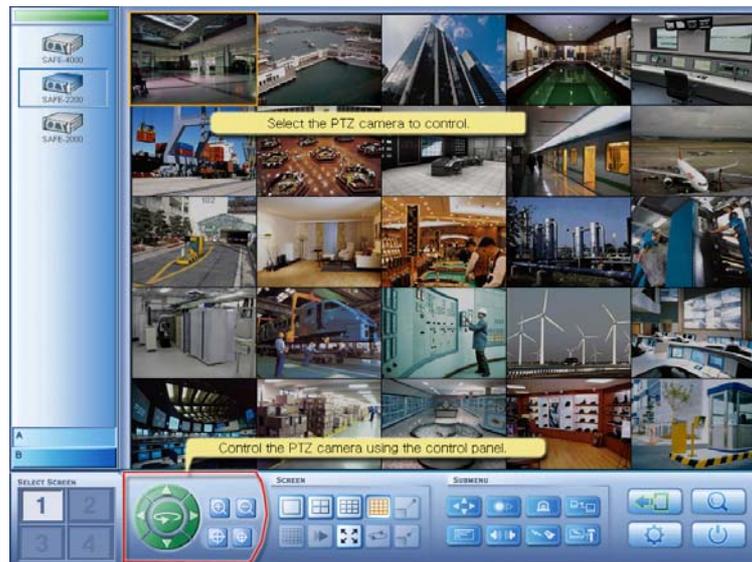
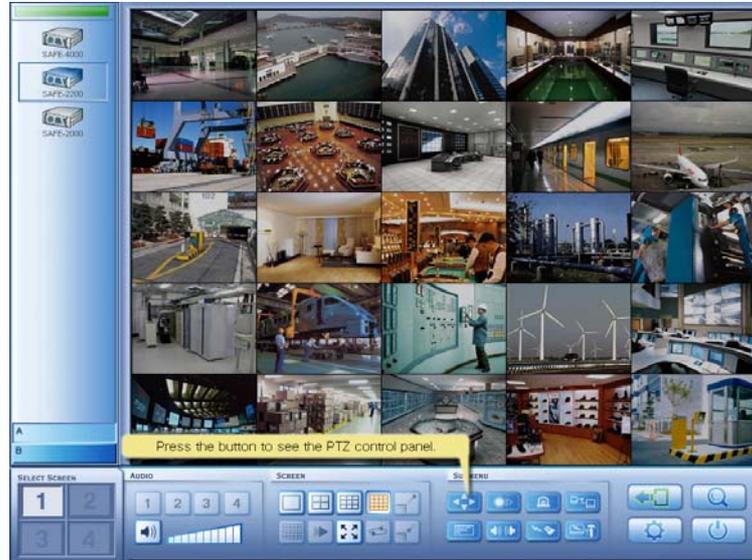


< Monitoring screen >

III Standard Operation

In case that 25-split screen is selected, next button and rotation button rotates screens

In other cases, Next button and rotation button rotates image in selected screen.



< Camera control screen >

When user clicks[P/T/Z] button, P/T/Z control button instead of audio button appears. User is able to control image by his/her need after selecting camera in monitoring screen.

When user clicks [P/T/Z] button once again, audio button appears again.

IV Advanced Functions

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Record / Search ·
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IV Advanced Functions

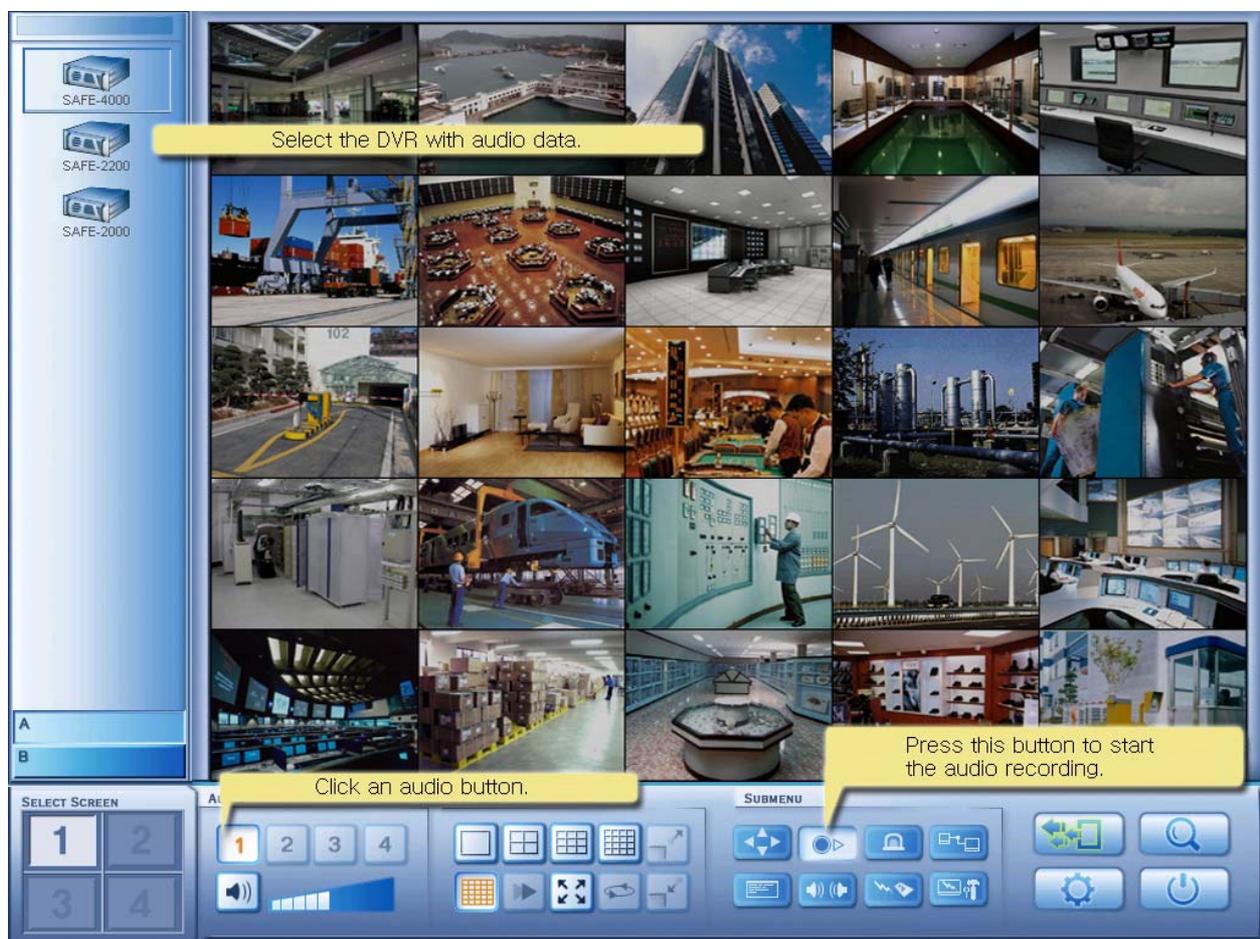
It explains more various functions for user who know connection, standard setup, monitoring and control functions.

1. Record / Search

1) Image record

User is able to record transmitted images from DVRs at remote sites in PC using M-Client program.

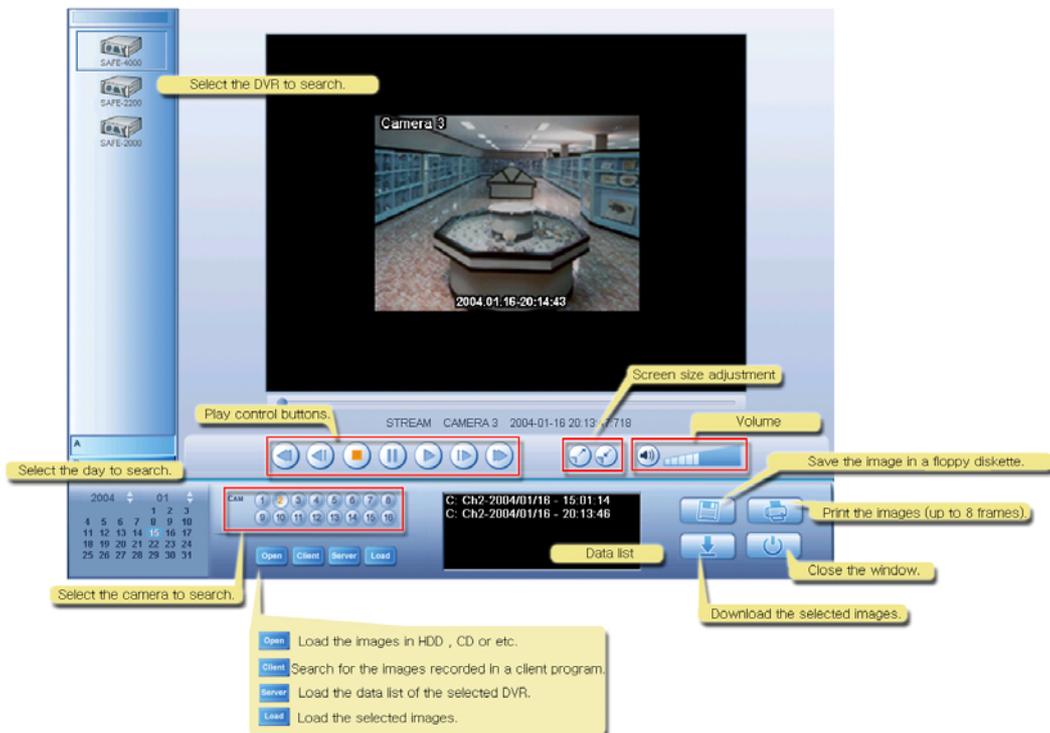
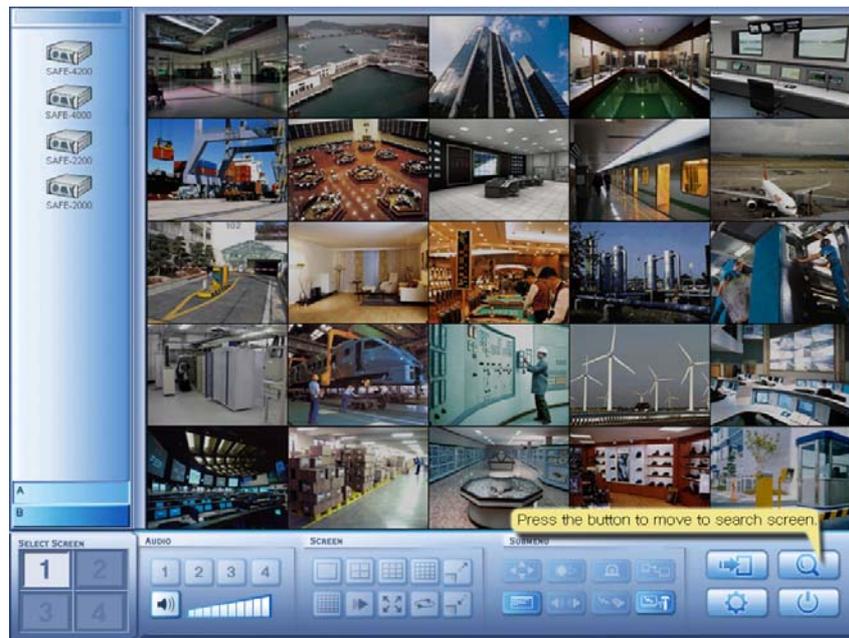
Only streamed images(blue-marked DVR) are recorded and user can record images with audio by clicking sound button on the menu.



IV Advanced Functions

2) Image search

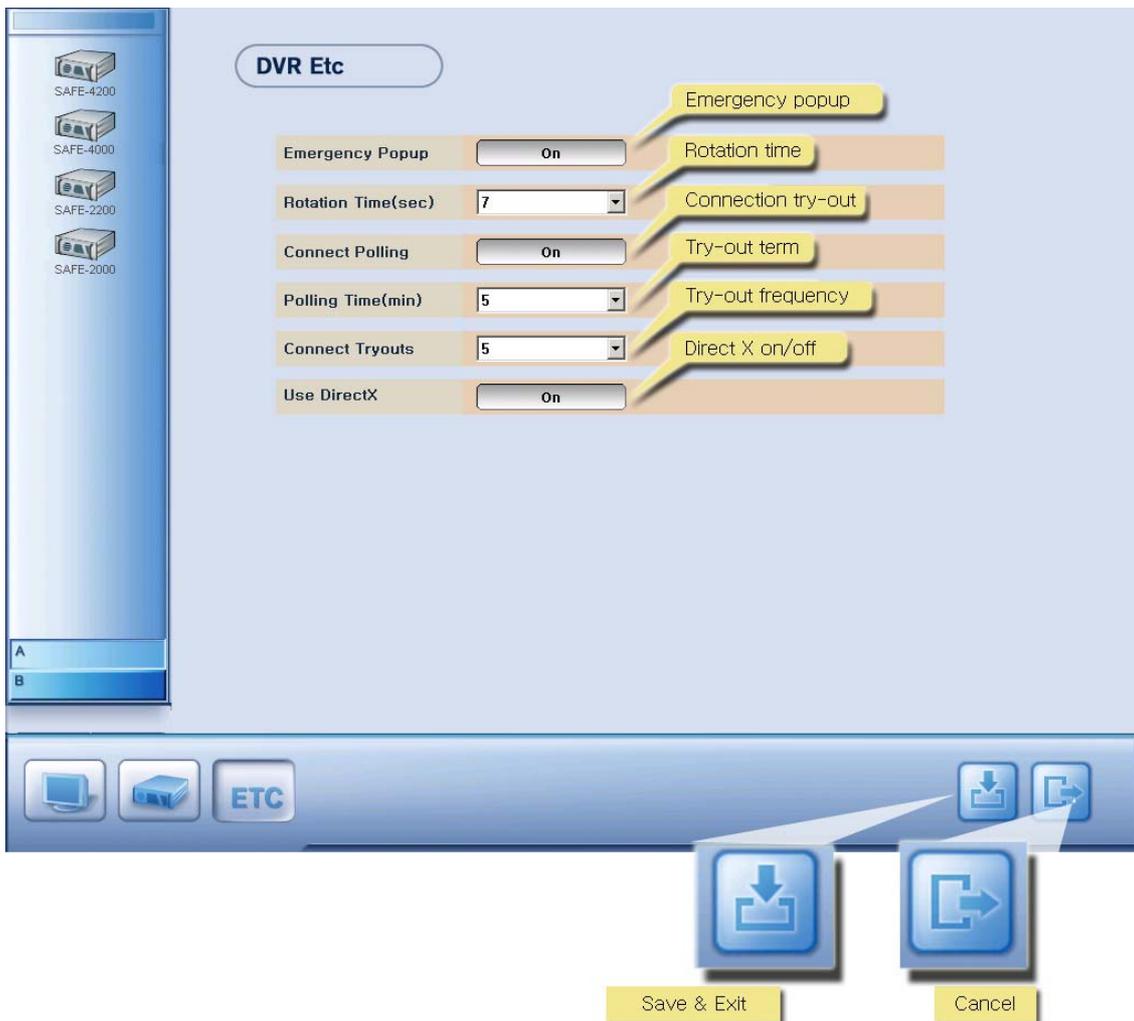
User is able to search the recorded images in server DVR and M-Client PC. User is able to backup images into a floppy diskette, print and downloads images in server DVR.



IV Advanced Functions

2. ETC setup

There are additional functions on the ETC setup menu in the setup screen.



IV Advanced Functions

3. Additional functions

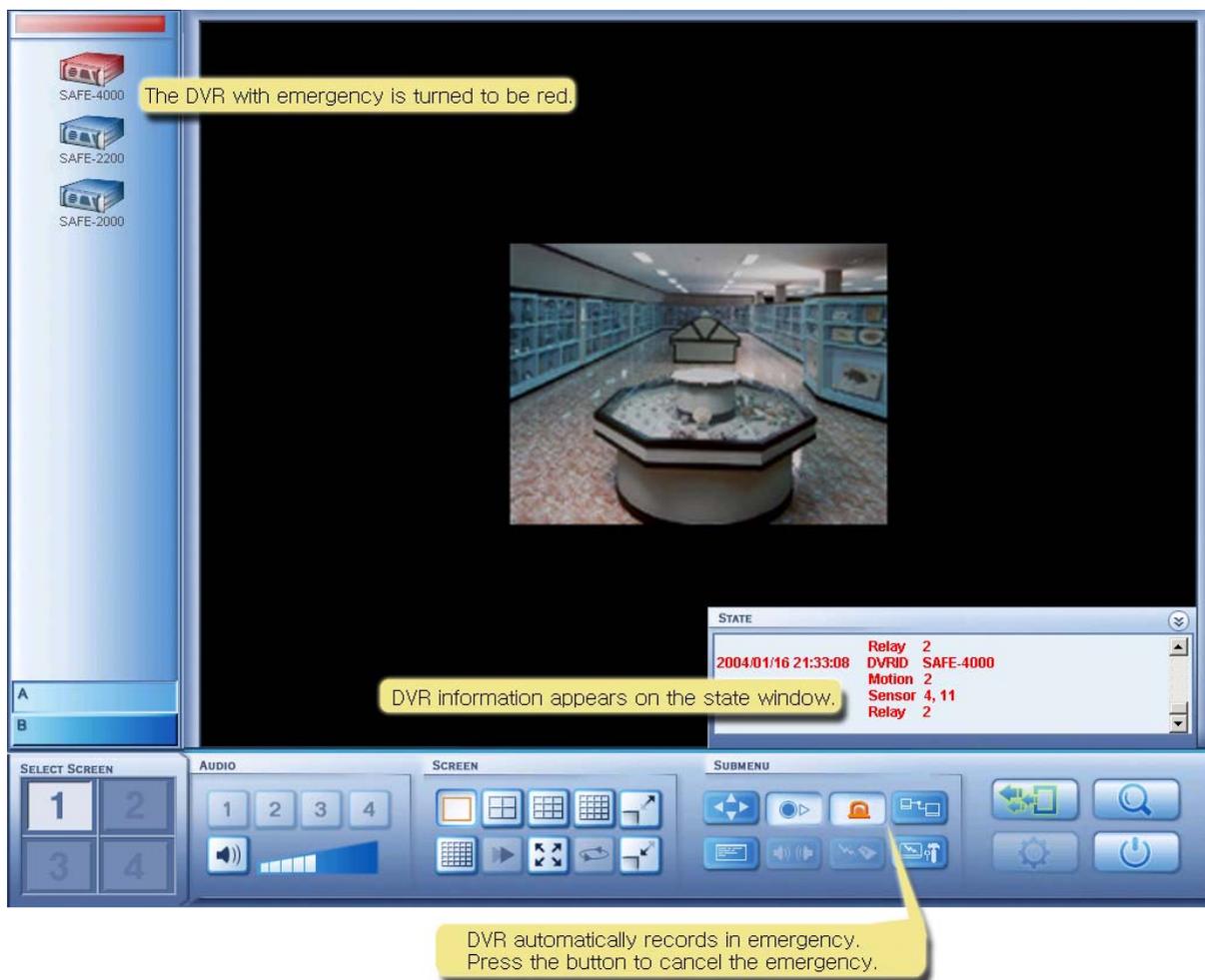
1) Emergency popup

When emergency situation (e.g. Motion & Sensor recording mode) in DVR at remote sites happens, DVR sends a signal to M-Client and record it automatically.

In emergency, images are automatically recorded in M-Client PC and pop-up window appears in the monitoring screen. And alarm bell that is set-up in the DVR works.

When user presses the activating button, screen go back to the monitoring screen and the recording stops.

*** User has to connect 16th sensor port to COM port in I/O board of the remote DVR system to use above function.**



IV Advanced Functions

2) Communication Status.

User can check transmission speed of images and audio from DVRs at remote sites in M-Client PC. The shortcut key is 'CTRL + N' button in the monitoring screen.

The screenshot displays the M-Client software interface. On the left, there is a sidebar with icons for different camera models: SAFE-4200, SAFE-4000, SAFE-2200, and SAFE-2000. The main area is a grid of 20 camera feeds showing various scenes like a harbor, a building, a pool, and an airport. A central window titled 'Video' and 'Audio' displays transmission statistics:

Video	
Frame per second	28 Frame
Frame speed	28 Frame / sec
Bytes Received	75107 Bytes / sec
Audio	
Frame per second	0 Frame
Frame speed	0 Frame / sec
Bytes Received	0 Bytes / sec

Below the statistics, there is a checkbox for 'Refresh every 1 minute' and a 'Close' button. A yellow callout box points to the 'Close' button with the text: 'Communication status window appears.' Another yellow callout box points to a button in the bottom control panel with the text: 'Press "Ctrl+N" or this button to see the communication status.' The bottom control panel includes a 'SELECT SCREEN' section with buttons 1-4, an 'AUDIO' section with a volume slider, a 'SCREEN' section with various display layout icons, and a 'SUBMENU' section with icons for navigation, search, and settings.

IV Advanced Functions

3) Event Log

Various events such as real-time remote connection information, emergency popup, Login are saved as event log. Whenever event happens, the event log window automatically pops up. And user can close and open it by clicking the event log button.



IV Advanced Functions

4) Duplex Audio

User can do mutual audio communication between a DVR in the remote site and M-Client PC. When user selects a DVR and clicks the duplex audio button, the duplex audio function starts. In case that DVR and M-Client system have sound devices, the audio communication between a DVR in the remote site and M-Client PC is available. In M-Client, user is able to get audio signal from a DVR by clicking audio button in M-Client.



IV Advanced Functions

CAMERA

Video Type: NTSC

2004-02-05 16:11:44

Camera	Recording	Camera Name	PTZ Protocol	Compression Rate	Resolution
1	ON	Camera 1	HID-2404	Midium	320 * 240
2	ON	Camera 2	HID-2404	Midium	320 * 240
3	ON	Camera 3	HID-2404	Midium	320 * 240
4	ON	Camera 4	HID-2404	Midium	320 * 240
5	ON	Camera 5	HID-2404	Midium	320 * 240
6	ON	Camera 6	HID-2404	Midium	320 * 240
7	ON	Camera 7	HID-2404	Midium	320 * 240
8	ON	Camera 8	HID-2404	Midium	320 * 240
9	ON	Camera 9	HID-2404	Midium	320 * 240
10	ON	Camera 10	HID-2404	Midium	320 * 240
11	ON	Camera 11	HID-2404	Midium	320 * 240
12	ON	Camera 12	HID-2404	Midium	320 * 240
13	ON	Camera 13	HID-2404	Midium	320 * 240
14	ON	Camera 14	HID-2404	Midium	320 * 240
15	ON	Camera 15	HID-2404	Midium	320 * 240
16	ON	Camera 16	HID-2404	Midium	320 * 240

Default

Navigation icons: Home, Play, Calendar, Person, Camera, Alarm, Speaker, Computer, Etc, Document, Download.

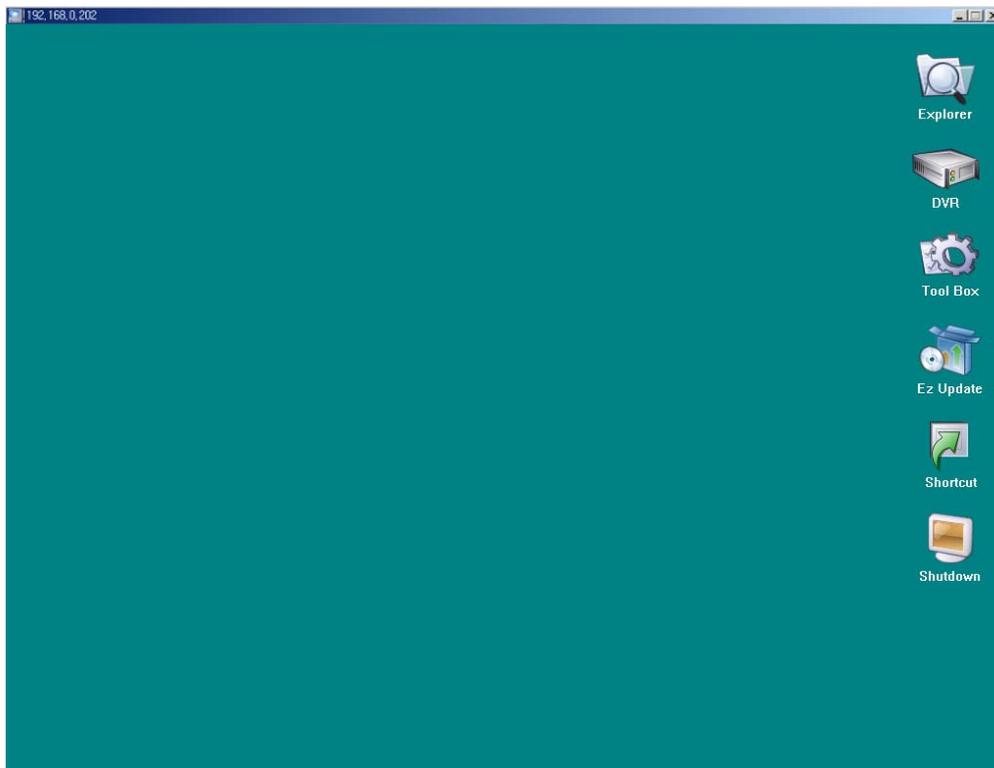
< Remote setup screen >

IV Advanced Functions

6) SAFEMODE

It controls the DVR system at a remote site in M-Client PC.

When SAFEMODE is operating by clicking SAFEMODE button after selecting a DVR, the M-Client screen disappears and the screen of a remote DVR system appears. User can control various functions in a remote DVR system. For more information, please refer to 'Shell function' in the DVR operation manual.



* Only authorized user can use the duplex audio function, the remote connection function and SAFEMODE functions. So please give an authority to the exact ID in a remote DVR setup.

7) Program Information

User can refer to the information of M-Client by clicking 'CTRL + V'.

IV Advanced Functions

