



Remote iAlarm Center

User's Manual

July 2011



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Manual Conventions

The following conventions are used throughout this manual.



The caution symbol is intended to alert the user of the importance of the particular installation and operating instructions. Failure to comply may damage the system.



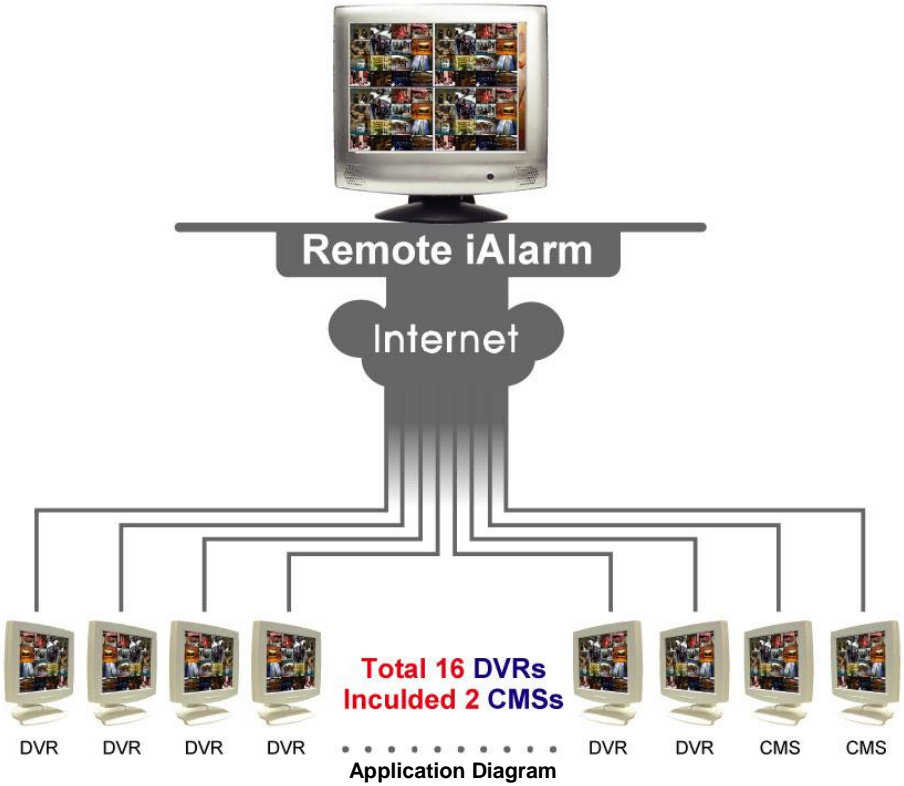
The information symbol is intended to provide additional information for the purpose of clarification.

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Chapter 1 Introduction

The AVer™ Remote iAlarm is an alarm manage center that allows user to connect with DVR servers and CMS servers and to receive and manage the alarms from DVR and CMS servers.



Chapter 2 Software Installation

This chapter describes how to install the Remote iAlarm software.



Before installing the software, make sure the Windows OS patches are up to date and the video graphic card driver is up to date.

2.1 Minimum System Requirements

First, must verify if the computer meets the minimum system requirements.


CPU	Intel P4 or compatible, 2.4 MHz or above recommended
OS	Windows 2000 / XP Professional / Vista / 7
RAM	512MB or higher
Hard disk	150GB or higher
Media	CD-ROM drive
VGA	16-bit high color SVGA graphic card with Direct & YUV Rendering capability, 64MB video memory at least
Audio	Sound card and speakers
Internet capacity	10/100 Base-T Ethernet card or above

2.2 Installing the Remote iAlarm Software in Windows XP/2000/Vista/7

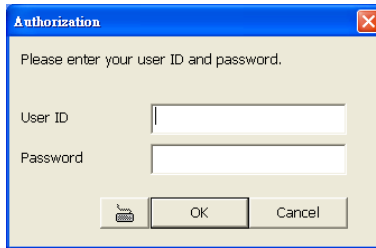
1. Place the installation CD into the CD-ROM drive then click **Install Web Tool** and click **Next** to go next step.
2. Select the **Remote iAlarm** to install and click **Next** to go next step.
3. Please carefully read the license agreement. Click **Yes** to accept the agreement.
4. Enter the **User ID** and **Password** and click **Next** to go to next step.
5. If user wants to change the install path, click **Browser** to locate the new path. Otherwise, using the default install path and click **Next** to go to next step.
6. Select "**Yes, I want to restart my computer now**" and click **Finish** to reboot your PC.

Chapter 3 Using the Remote iAlarm


3.1 Running the Remote iAlarm Software

To run the application, double-click  on your PC desktop or click **Start > Programs > Remote iAlarm**.

For security purposes, some of the features would require you to enter a User ID and Password before they can be accessed. When the Authorization dialog box appears, key in your User ID and Password. (If this is the first time, enter the one you have registered when installing the software.)



3.1.1 Using the Virtual Keyboard

If the keyboard is not available, you may use the Virtual Keyboard. Just click  to show the virtual keyboard. For uppercase and lowercase, click **shift** button.



3.2 Using the Remote iAlarm Application

When an alarm occurred on the DVR server and when CMS server received an alarm from DVR server, both alarms will transmit to the Remote iAlarm center.

In Remote iAlarm enter, user can manage live alarm event, searching the alarm event, and navigate relate parameters of connected DVR servers, CMS servers, and alarm filters.


3.2.1 Adding a DVR/CMS Server

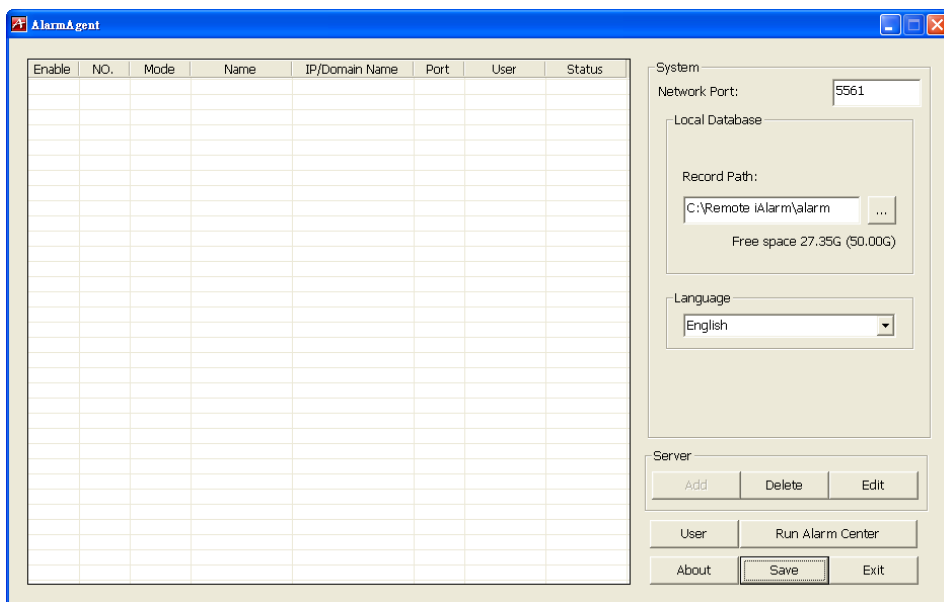
To receive the alarm from DVR/CMS server, user needs to add DVR/CMS server.



- Remote Alarm can have 16 DVR and CMS server in total but only **2 CMS** servers are allowed.
- In order to receive the alarm from CMS server, the database of the CMS server needs to be setup as MySQL. Please see CMS user's manual for more detail.

Follow the below steps to add the DVR and CMS servers.

1. Run the Remote iAlarm application, click double-click  on your PC desktop or click **Start > Programs > Remote iAlarm**.
2. The Remote iAlarm window will appear.



- Click **Add** to add a DVR/CMS server.

Server Setting

Mode:

Name:

IP/Domain Name:

Port:

User:

Password:

- In Server Setting window, enter the following data:
 - Mode:** Select the type of server (DVR or CMS) that user wants to add.
 - Name:** Assign a name of the DVR/CMS server for managing easily.
 - IP/Domain Name:** Enter the IP address or domain name of the DVR/CMS server.
 - Port:** Enter the connection port of the DVR/CMS server.
 - User:** Enter the ID for login to DVR/CMS server.
 - Password:** Enter the password for login to DVR/CMS server.
- After entered all necessary data, click **OK** to save the configuration.
- The DVR/CMS server will be added and list in table. When user sees the **“Successful”** in *Status* column, it means the communication between Remote iAlarm and DVR/CMS server is ok. The **“Failed”** means the DVR/CMS server may be down or network communication problem.

Enable	NO.	Mode	Name	IP/Domain Name	Port	User	Status
<input checked="" type="checkbox"/>	0001	CMS	CMS-162	192.168.3.162	80	3	Failed
<input checked="" type="checkbox"/>	0002	CMS	CMS_1	192.168.3.162	81	4	Failed
<input checked="" type="checkbox"/>	0003	CMS	CMS_2	192.168.2.27	80	1	Successful
<input checked="" type="checkbox"/>	0004	CMS	CMS_3	192.168.2.27	80	2	Failed
<input checked="" type="checkbox"/>	0005	DVR	NV_1	192.168.2.24	5550	1	Successful
<input checked="" type="checkbox"/>	0006	DVR	NV_2	192.168.2.24	5550	1	Failed
<input checked="" type="checkbox"/>	0007	DVR	NV_3	192.168.2.24	5550	1	Failed
<input checked="" type="checkbox"/>	0008	DVR	NV_4	192.168.2.24	5550	1	Failed
<input checked="" type="checkbox"/>	0009	DVR	C2H3_1	192.168.3.103	82	Admin	Successful
<input checked="" type="checkbox"/>	0010	DVR	C2H3_2	192.168.3.103	82	Admin	Successful
<input checked="" type="checkbox"/>	0011	DVR	C2H3_3	192.168.3.103	82	Admin	Successful
<input checked="" type="checkbox"/>	0012	DVR	C2H3_4	192.168.3.103	82	Admin	Successful
<input checked="" type="checkbox"/>	0013	DVR	C2B3_1	192.168.3.243	80	ADMIN	Failed
<input checked="" type="checkbox"/>	0014	DVR	C2B3_2	192.168.3.243	80	ADMIN	Failed
<input checked="" type="checkbox"/>	0015	DVR	C2B3_3	192.168.3.243	80	ADMIN	Failed
<input checked="" type="checkbox"/>	0016	DVR	C2B3_4	192.168.3.243	80	ADMIN	Failed

System

Network Port:

Local Database

Record Path: ...

Free space 27.35G (50.00G)

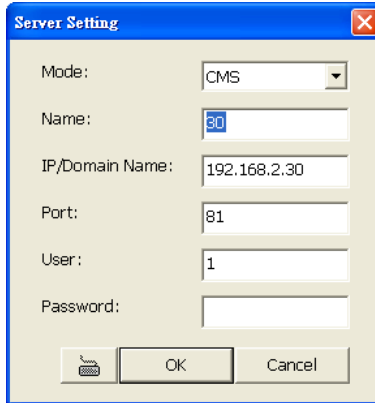
Language:

Server

User

About

7. To stop receive the alarm from DVR/CMS server, un-mark the **Enable** check box in *Enable* column. To resume the alarm receive processing, mark the **Enable** check box again.
8. To operate the Remote iAlarm enter, click **Run Alarm Center**. Please see [Chapter 3.3](#) for detail.
9. To delete the DVR/CMS server, select the DVR/CMS server from the list and click **Delete**.
10. To modify the DVR/CMS server, select the DVR/CMS server from the list and click **Edit**. In Server Setting window, user can change the values as demand.



The 'Server Setting' dialog box is shown with the following configuration:

Mode:	CMS
Name:	30
IP/Domain Name:	192.168.2.30
Port:	81
User:	1
Password:	

Buttons: Save, OK, Cancel

11. Click **Save** can save the current configuration of the Remote iAlarm.
12. To check the Remote iAlarm product information, click **About**.



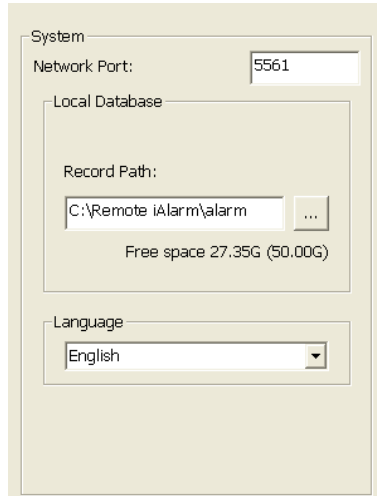
The 'About Remote iAlarm' dialog box displays the following information:

Remote iAlarm Version
7.7.0.43
Copyright (C) 2009

Button: OK

3.2.2 Setup the System and Language

User can setup the alarm record path, network port, and language for Remote iAlarm.



The screenshot shows a configuration window titled "System" with the following sections:

- System:** Network Port: 5561
- Local Database:** Record Path: C:\Remote iAlarm\alarm (with a browse button "...")
Free space 27.35G (50.00G)
- Language:** English (with a dropdown arrow)

■ Setup the System

- **Network Port:** Assign a port for transmitting data or communicating between Remote iAlarm and DVR/CMS servers.
- **Record Path:** Click **...** to change the storage path for saving received alarms.

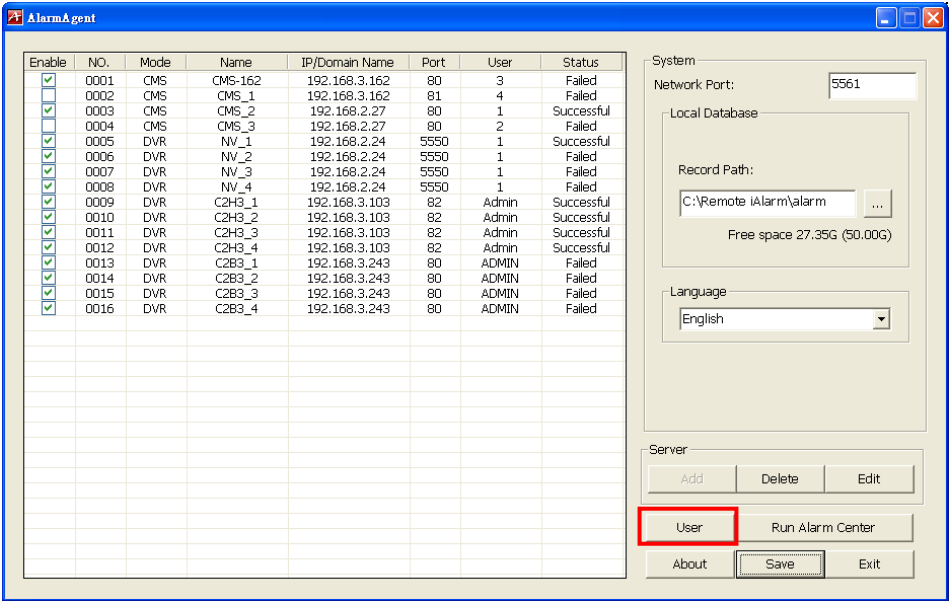
■ Select the Language

Select the interface language of the Remote iAlarm. Current only supports English and Traditional Chinese.

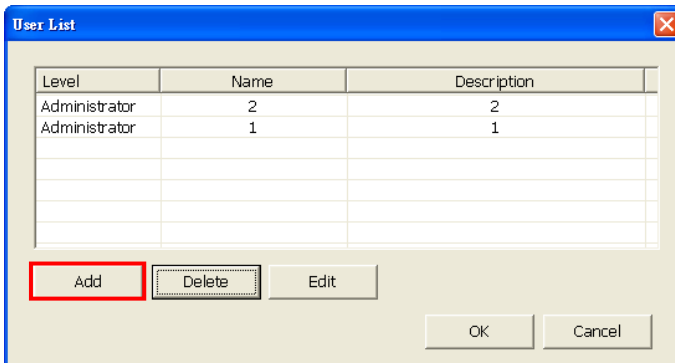
3.2.3 Setup User Account

The Remote iAlarm allows creating up to 256 user accounts.

1. Click **User** button in Alarm Agent window. The User List window will appear right after.

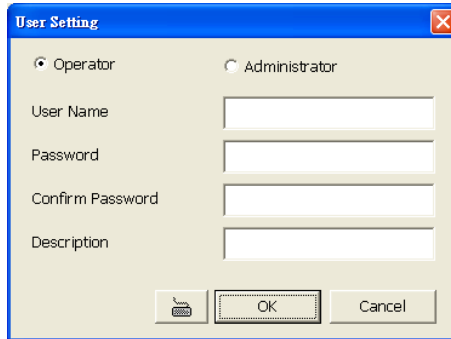


2. In User List window, user can see the existing user account listing out. To create a new user account, click **Add** and the User Setting window will appear.



3. In User Setting window, select the type of user account – Operator or Administrator.
 - **Administrator:** Administrator has full authority to operate the Remote iAlarm(Alarm Agent and Alarm Center).
 - **Operator:** Only allows operating the Alarm Center, no authority of the configuration.
4. Enter the all required data in User **Name**, **Password** and **Confirm Password**.
5. In **Description** column, enter a short description for this user account.

6. Click **OK** to complete the setting.

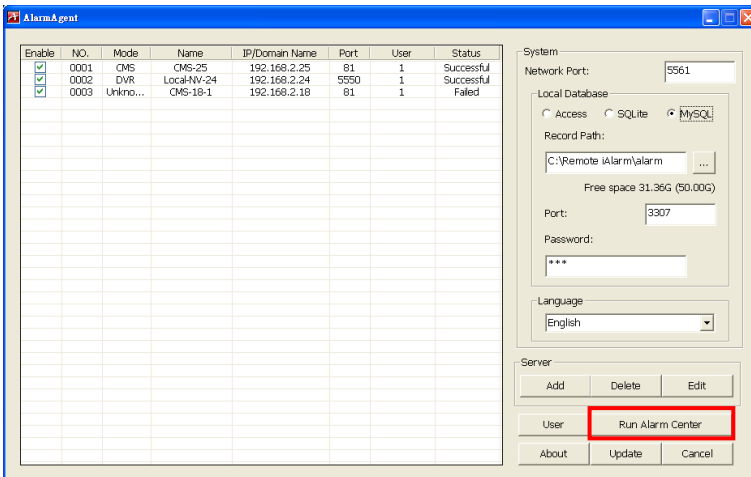


The image shows a 'User Setting' dialog box with a blue title bar and a close button in the top right corner. It contains two radio buttons: 'Operator' (selected) and 'Administrator'. Below these are four text input fields labeled 'User Name', 'Password', 'Confirm Password', and 'Description'. At the bottom, there are three buttons: a help icon, an 'OK' button (which is highlighted with a dashed border), and a 'Cancel' button.

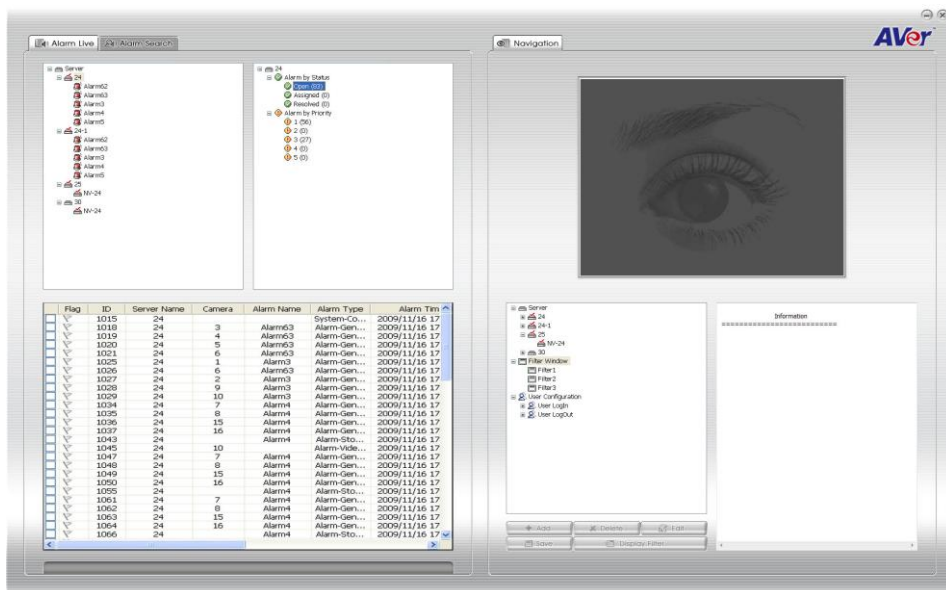
7. To delete the user account, select the account and click **Delete** button.
8. Select user account and click **Edit** button can modify the selected user account.

3.3 Using the Alarm Center

After has added DVR/CMS server, click **Run Alarm Center** to run the Alarm Center application.



The Alarm Center divides into 3 parts – **Alarm Live**, **Alarm Search**, and **Alarm Navigator**. We will description each part in detail at following paragraphs.



Alarm Center UI

3.3.1 To Manage Live Alarm

User can select the alarm to assign to different operator, change the priority of alarm, and change status of alarm.

1. In **Alarm Live**, user will see all received live alarm list out in lower part of left side.
2. User can select the DVR/CMS server to view only the selected DVR/CMS server's alarm.

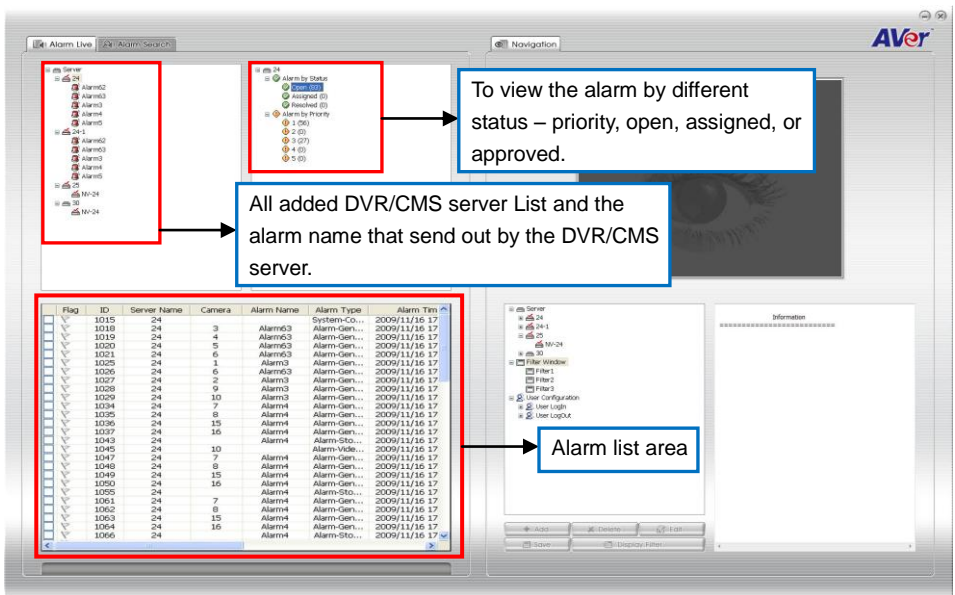


The server with a check mark means the server has been successful connecting with the Remote iAlam and transmitting the alarms.

3. User can view alarm by different status such as priority, open, assigned, and approved. Click the status of alarm in upper right side of the Alarm Live section to view.



The priority of alarm is set on DVR server or re-assigned on CMS server. User is allowed to customize the priority of alarm that has received from DVR/CMS server and all re-assigned action will be recorded on Alarm Center.



4. To mark the alarm event, click check box.
5. Double-click on the alarm that user wants to manage. User should see the Alarm Information Setting window show up.

Alarm Information Setting

Server Name:	Alarm Name:	Alarm Type	Alarm Description:
24-1		System-Connection Su	Connection Success
Alarm Time:	Priority:	State:	Operator:
2009/11/16 17:40:04	3	Open	1
Note:			
	Edit Information	Run MiniCenter	Cancel

- Click **Edit Information** to edit the alarm.

Alarm Information Setting

Server Name:	Alarm Name:	Alarm Type	Alarm Description:
24-1		System-Connection Su	Connection Success
Alarm Time:	Priority:	State:	Operator:
2009/11/16 17:40:43	3	Open	1
Note:			
	Save Information	Run MiniCenter	Cancel

- User can change **Priority**, **State**, and **Operator** of alarm. To enter the description or memo on **Note** column. And then, click **Save** to save the change.

Alarm Information Setting

Server Name: Alarm Name: Alarm Type: Alarm Description:

Alarm Time: Priority: State: Operator:

Note:

8. To exit, click **Cancel**.
9. User can change the **Priority**, **State**, and **Operator** of the alarm by clicking the column of the Priority, State, and Operator in alarm list table. The changing of result is same as in Alarm Information Setting window.

Time	Priority	State	Operator	Receive Time	Note
17:25:05	2	Assigned	2	2009/11/16 17:25:59	2009/11/16 17:...
17:25:05	1	Open	1	2009/11/16 17:25:59	
17:25:05	2	Open	1	2009/11/16 17:25:59	
17:25:05	3	Open	1	2009/11/16 17:25:59	
17:25:05	4	Open	1	2009/11/16 17:25:59	
17:25:05	5	Open	1	2009/11/16 17:25:59	
17:25:05	1	Open	1	2009/11/16 17:25:59	
17:25:05	1	Open	1	2009/11/16 17:25:59	

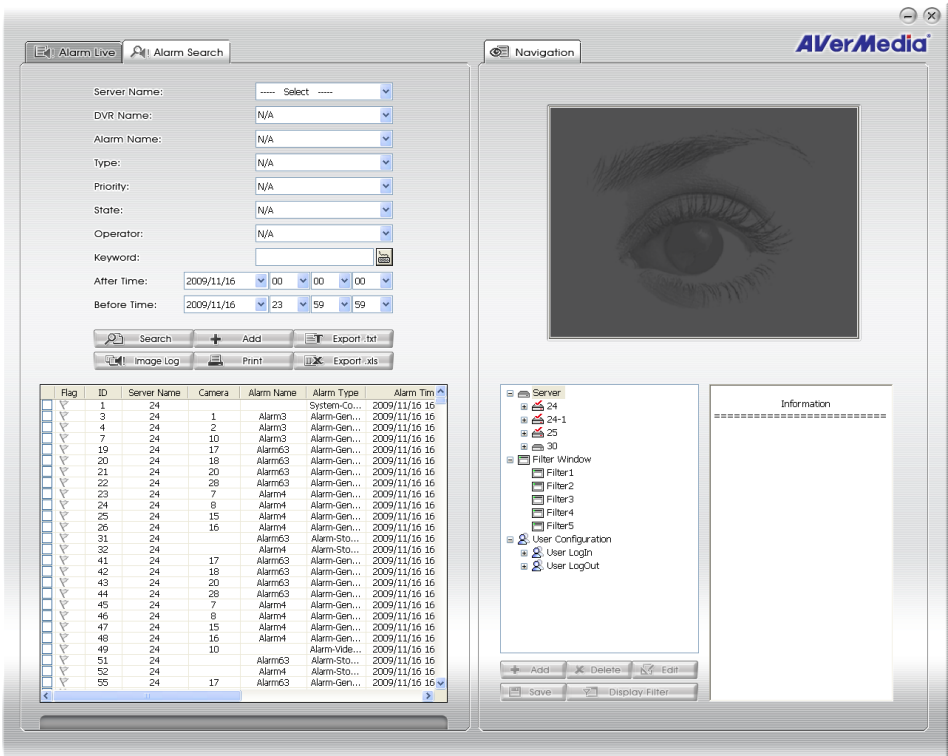
Time	Priority	State	Operator	Receive Time	Note
17:25:05	2	Assigned	2	2009/11/16 17:25:59	2009/11/16 17:...
17:25:05	1	Open	1	2009/11/16 17:25:59	
17:25:05	1	Assigned	1	2009/11/16 17:25:59	
17:25:05	1	Resolved	1	2009/11/16 17:25:59	
17:25:05	1	Open	1	2009/11/16 17:25:59	
17:25:05	1	Open	1	2009/11/16 17:25:59	

Time	Priority	State	Operator	Receive Time	Note
17:25:05	1	Open	1	2009/11/16 17:25:59	
17:25:05	1	Open	2	2009/11/16 17:25:59	
17:25:05	1	Open	3	2009/11/16 17:25:59	
17:25:05	1	Open	1	2009/11/16 17:25:59	
17:25:05	1	Open	1	2009/11/16 17:25:59	
17:25:05	1	Open	1	2009/11/16 17:25:59	

10. To manage another alarm, follow the above steps 5 to 8.

3.3.2 To Search the Alarm

User can search the alarm by the conditions.



1. Set the follow conditions to search the wanted alarm events.

- **Server Name:** select the DVR/CMS server or select **All**.

Server Name: ----- Select -----

- **DVR Name:** select the DVR of the CMS server or select **All**.

DVR Name: N/A



If user select DVR server in **Server Name**, then no need to select the **DVR Name**.

- **Alarm Name:** select the alarm that user wants to search for.

Alarm Name: Alarm1

- **Type:** select the alarm condition (Motion, Alarm, DVR Exit, Login, Connection Loss, Connection Success, Video Loss, HD Failed, and Reset Alarm)that user wants to search for.

Type: Alarm

- **Priority:** select the priority level of alarm that user wants to search for.

Priority: N/A

- **State:** select the alarm status that wants to search

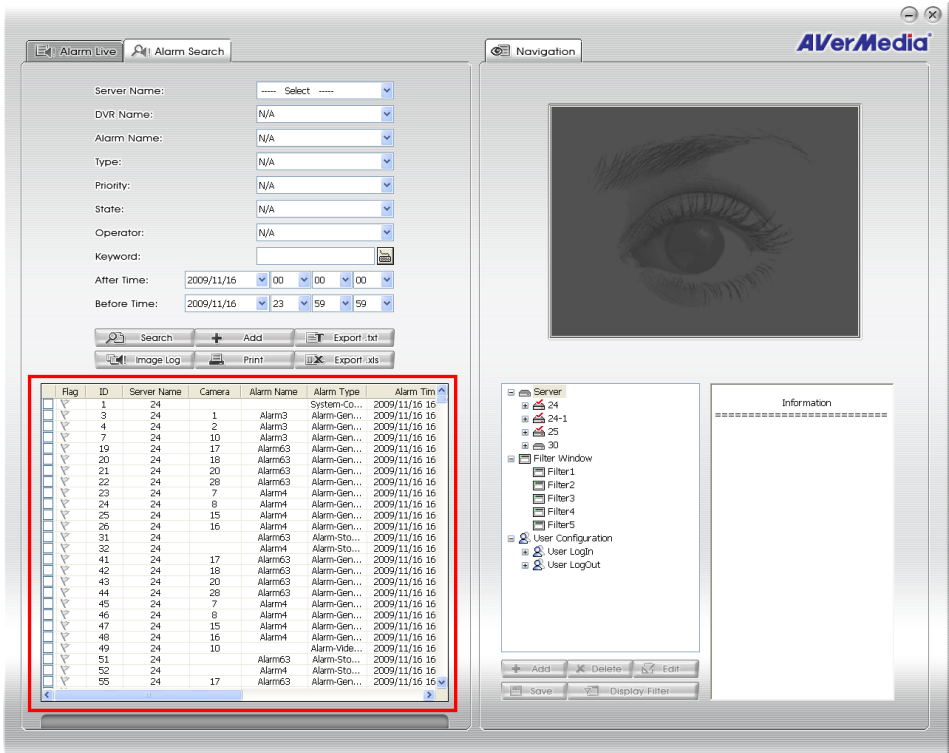
State:

- **Operator:** select the operator that wants to search

Operator:



- **Keyword:** enter the specific word string to search.
- **After/Before Time:** set a specific time range to search.

2. When the search conditions are set, click **Search** to start searching. If user doesn't set any conditions, the system still will start search when click **Search** button. And the, result will be all alarms. The search result will display on the lower part of Alarm Search window.

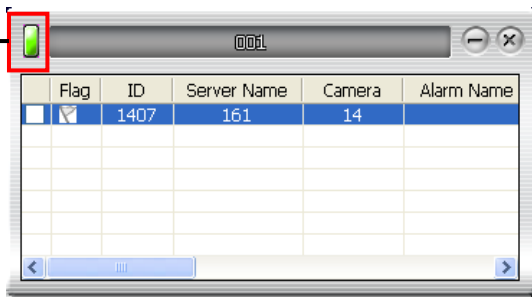


3. User can select the alarm to assign to different operator, change the priority of alarm, and change status of alarm (see also [Chapter 3.3.1](#)).
4. The result of search can be print by clicking **Print** button. Also, the search result can be save as in *.txt and *.xls format by clicking **Export .txt** or **Export .xls** button.
5. User can save the search condition as a filter to filet the alarm that match the conditions. Click **Add** button, the **filter** will add in Filter Window section. To modify the filter, please refer to the [Chapter 3.3.3](#).

i User also can create a new filter in **Navigation** section (see also [Chapter 3.3.3](#)).

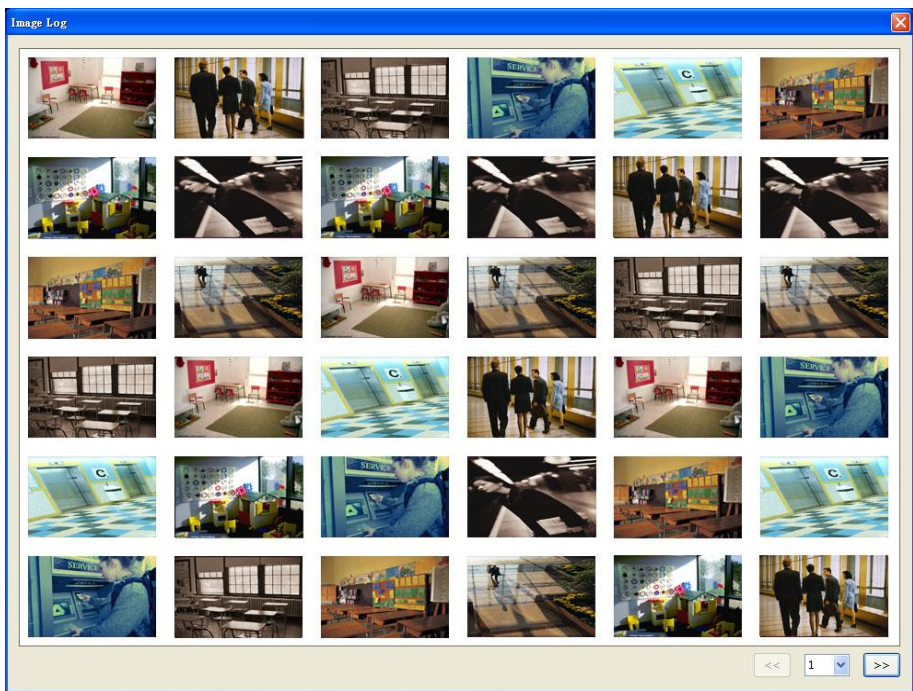
6. When the Remote iAlarm receives the alarm that match the condition of the filter, filter window will flash in red light and the alarm will be display in filter window. To minimize the filter click , click  to close the filter.

When receive the alarm, it will turn to red and flash.



Flag	ID	Server Name	Camera	Alarm Name
<input checked="" type="checkbox"/>	1407	161	14	

7. Clicking **Image Log** button to view alarm image. The image log window will show up.



3.3.3 To Navigate the Alarm Information

User can view information of DVR, alarm, user and configure filter.

The screenshot displays the Alarm Navigator UI. The main window is titled "Alarm Live" and "Alarm Search". It features a tree view on the left showing a hierarchy of servers and cameras. The central area contains a table of alarm events. The right side of the interface is a "Navigation" panel, which is highlighted with a red border. This panel includes a video preview window showing a hallway scene, a tree view of the system configuration, and a section for system information.

Flag	ID	Server Name	Camera	Alarm Name	Alarm Type	Alarm Time
✓	1015	24			System-Co...	2009/11/16 17
✓	1018	24	3	Alarm63	Alarm-Gen...	2009/11/16 17
✓	1019	24	4	Alarm63	Alarm-Gen...	2009/11/16 17
✓	1020	24	5	Alarm63	Alarm-Gen...	2009/11/16 17
✓	1021	24	6	Alarm63	Alarm-Gen...	2009/11/16 17
✓	1025	24	1	Alarm3	Alarm-Gen...	2009/11/16 17
✓	1026	24	6	Alarm63	Alarm-Gen...	2009/11/16 17
✓	1027	24	2	Alarm3	Alarm-Gen...	2009/11/16 17
✓	1028	24	9	Alarm3	Alarm-Gen...	2009/11/16 17
✓	1029	24	10	Alarm3	Alarm-Gen...	2009/11/16 17
✓	1034	24	7	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1035	24	8	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1036	24	15	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1037	24	16	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1043	24		Alarm4	Alarm-Sto...	2009/11/16 17
✓	1045	24	10	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1047	24	7	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1048	24	8	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1049	24	15	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1050	24	16	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1055	24		Alarm4	Alarm-Sto...	2009/11/16 17
✓	1061	24	7	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1062	24	8	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1063	24	15	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1064	24	16	Alarm4	Alarm-Gen...	2009/11/16 17
✓	1066	24		Alarm4	Alarm-Sto...	2009/11/16 17

The "Navigation" panel on the right includes a video preview window showing a hallway scene. Below the video, there is a tree view of the system configuration, including "Server", "Filter Window", "User Configuration", and "User Login". To the right of the tree view, there is a section for "Information" with the following details:

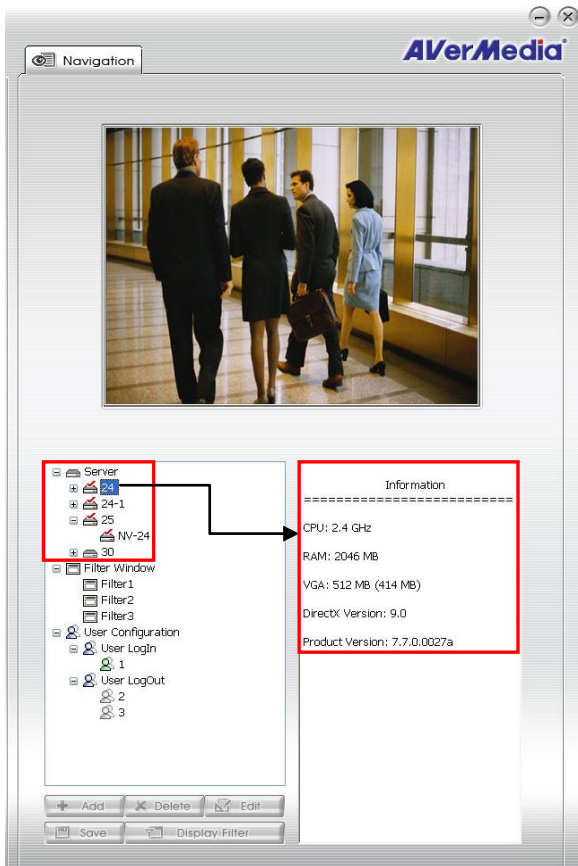
- CPU: 2.4 GHz
- RAM: 2046 MB
- VGA: 512 MB (414 MB)
- DirectX Version: 9.0
- Product Version: 7.7.0.0027a

At the bottom of the navigation panel, there are buttons for "Add", "Delete", "Edit", "Save", and "Display Filter".

Alarm Navigator UI

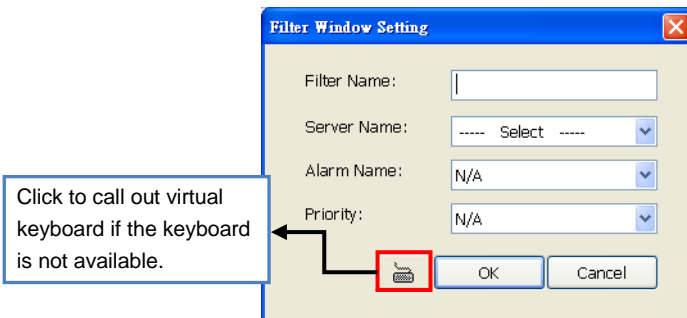
■ Viewing the DVR information

In Server section, user can select the DVR to view. The information will be display on *Information* column and the image will be display when user selects the camera of the DVR.

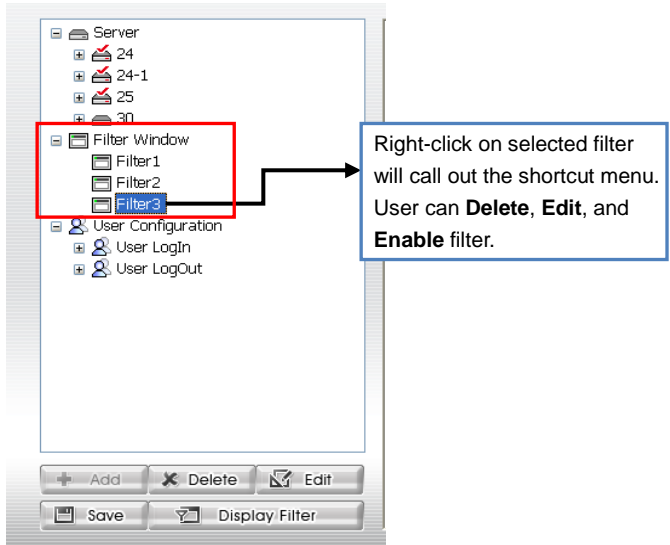


■ Configuring the Filters

The filter section displays the current existing filters, user also can add more filters by clicking **Add** button and Filter Window Setting appears right after. In Filter Window Setting, enter the **Filter Name**; select the **Server Name**, **Alarm Name**, and **Priority** of alarm.

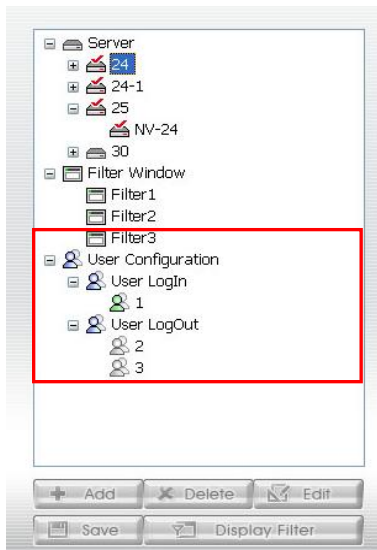


To delete the filter, select the filter and click **Delete**. To modify the filter, click **Edit**. Select the filter and click **Display filter** can call out the filter to view if the filter window is closed.



■ Viewing the User Status

In User Configuration section, click to view who is current on line.



Appendix A Installation of the MySQL

To use the MySQL as the database of the Remote iAlarm, user needs to install MySQL application on the same PC that user install Remote iAlarm.

Please follow the below steps to install the MySQL application.

1. Please go to <http://dev.mysql.com/downloads/> to download the MySQL for installation.
2. We recommend user to download the current version. Click the listed current version of MySQL.

The screenshot shows the MySQL Downloads page. The main content area is titled "MySQL Downloads" and features a large circular logo with two fish. Below the logo, there are three bullet points: "MySQL software is provided under the GPL License", "OEMs, ISVs and VARs can purchase Commercial Licenses", and "Learn about MySQL Products and MySQL Services". A section titled "Important Platform Support Updates" is visible, with a red box highlighting the "MySQL Community Server" section. Under this section, the "Current Release (Recommended)" is listed as "MySQL 5.1—Generally Available (GA) release for production use". Below this, there are sections for "Beta Releases" (MySQL 5.4—Beta), "Upcoming Releases" (Snapshots, Glassfish+MySQL bundle), and "Older Releases" (MySQL 5.0, MySQL 4.1). A "Quick Jump" sidebar on the right provides links to various MySQL products and connectors.

3. Select the system platform of your PC and select the **"Windows MSI Installer(x86)"** to download. Save the download file on your desktop.

Windows downloads (platform notes)

Windows Essentials (x86)	5.1.41	39.0M	Download Pick a mirror <small>MDS: 85a8323a874f908a2dd2c6aebd4f59ba Signature</small>
Windows MSI Installer (x86)	5.1.41	104.7M	Download Pick a mirror <small>MDS: d85c43534b4221288c2c01a2c1932bc1 Signature</small>
Without installer (unzip in C:\)	5.1.41	113.2M	Download Pick a mirror <small>MDS: d3f94a766df6154660734a88b4c2ed5b Signature</small>

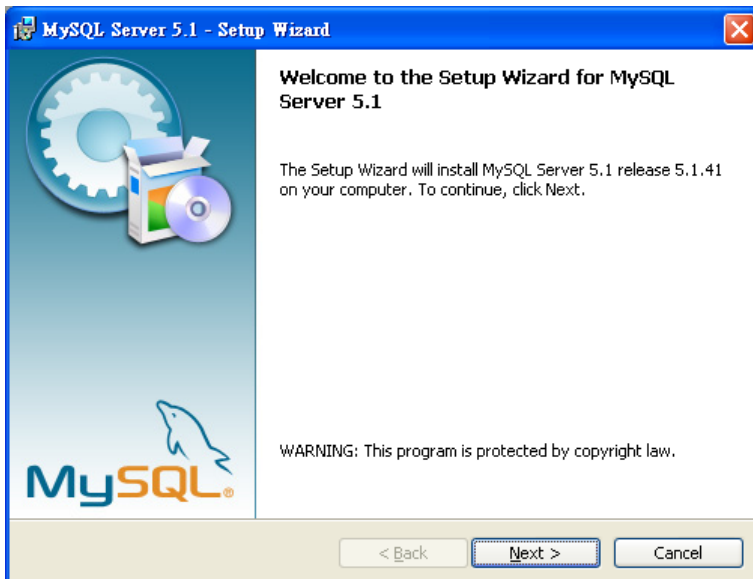
Windows x64 downloads (platform notes)

Windows Essentials (AMD64 / Intel EM64T)	5.1.41	30.1M	Download Pick a mirror <small>MDS: 4d7f47a9a87e5127c3d9e708aacffef73 Signature</small>
Windows MSI Installer (AMD64 / Intel EM64T)	5.1.41	94.6M	Download Pick a mirror <small>MDS: df38d034aef61f7b6131847b48830a9f Signature</small>
Without installer (AMD64 / Intel EM64T)	5.1.41	116.3M	Download Pick a mirror <small>MDS: c6174f9f419a0b331b02f9423bf02b9c Signature</small>

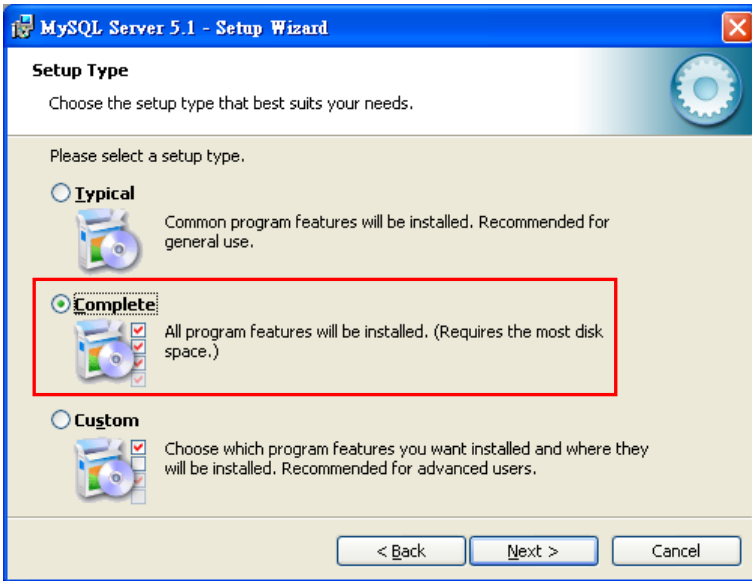
Linux (non RPM packages) downloads (platform notes)

Linux (x86)	5.1.41	120.9M	Download Pick a mirror <small>MDS: c459eb7ad36d1a3099ca344f40ae0cf7 Signature</small>
Linux (AMD64 / Intel EM64T)	5.1.41	125.8M	Download Pick a mirror <small>MDS: 4e11a7d6ec6d1663b1cb44363d7868e5 Signature</small>
Linux (IA64)	5.1.41	120.1M	Download Pick a mirror <small>MDS: 1e6ef557df2dfed22765cece028f1a44 Signature</small>
Linux (POWER / PowerPC, 32-bit)	5.1.40	187.8M	Download Pick a mirror <small>MDS: 7dc8360802e37f746a6ea60b39fa6c82 Signature</small>
Linux (S/390X)	5.1.40	123.6M	Download Pick a mirror <small>MDS: 02cf1dc5c542487ad863bb5751611ede Signature</small>

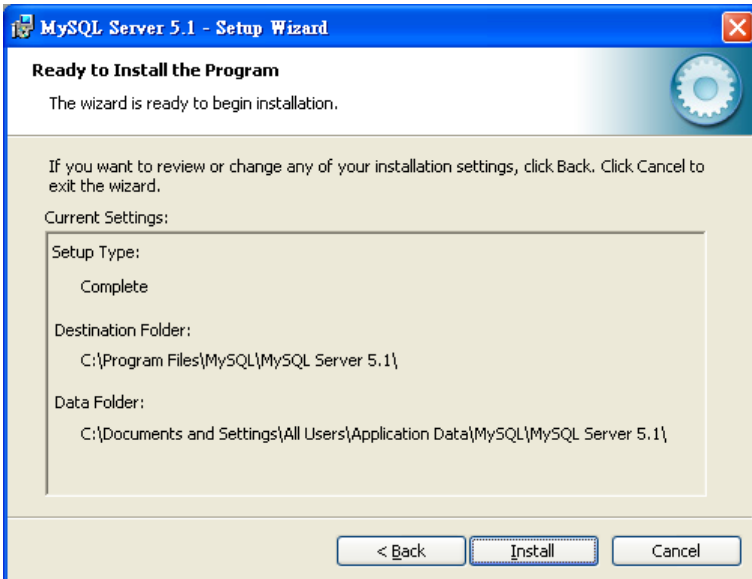
- Click the download file to install the MySQL. In Setup wizard, click **Next** to continue.



5. Select **Complete** to install.



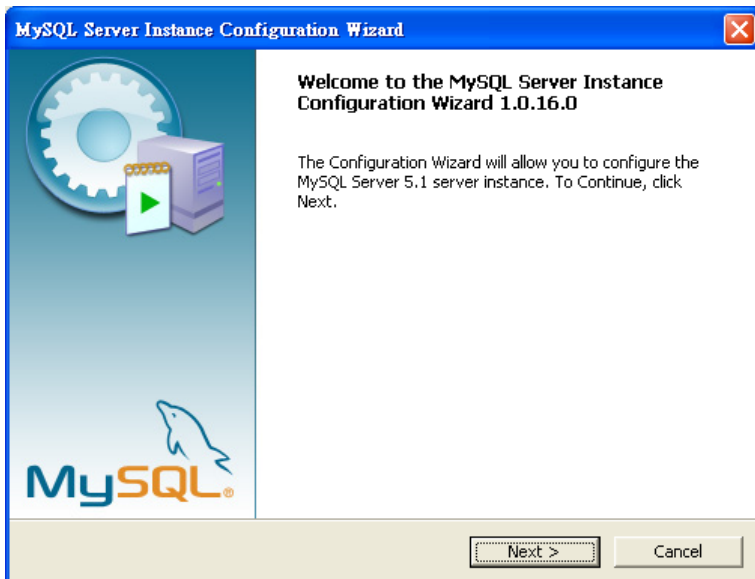
6. In the following Setup wizard, click **Install** to start installation.



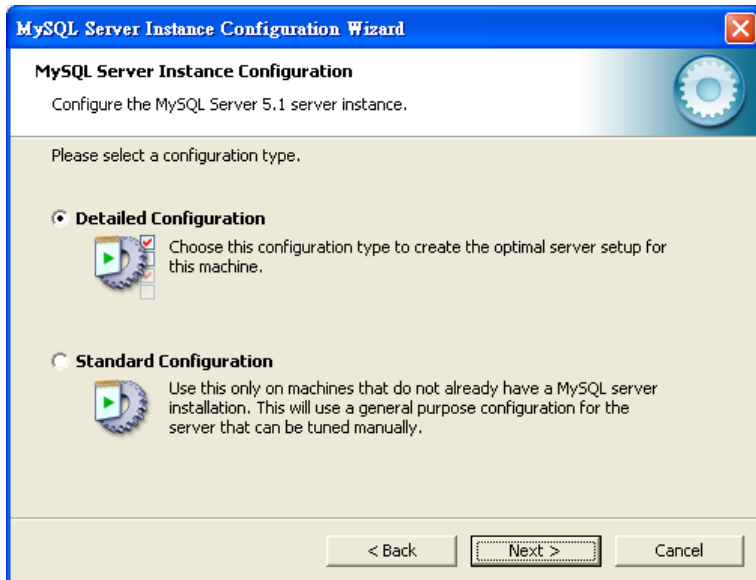
7. And then, follow the on screen instruction to complete the installation.
8. After installation completed, user can choose to register immediately or later. And then, click **Finish** to configure the MySQL.



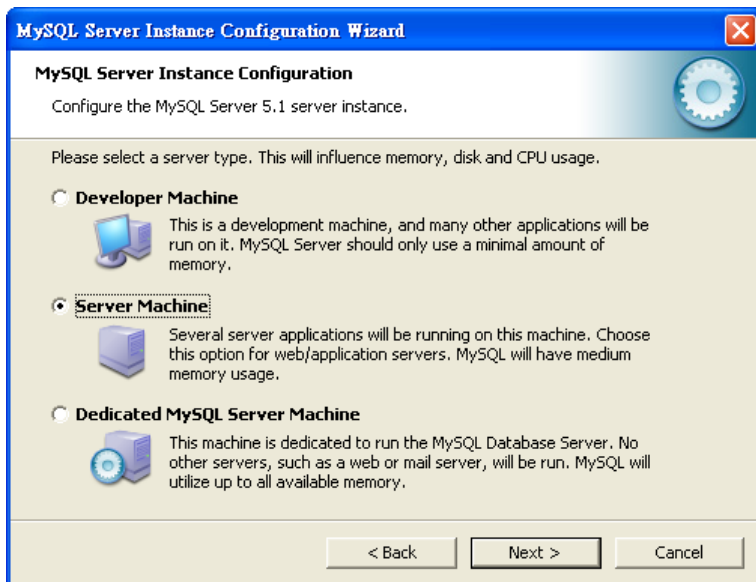
9. The Instance Configuration Wizard will appear right. Click **Next** to continue.



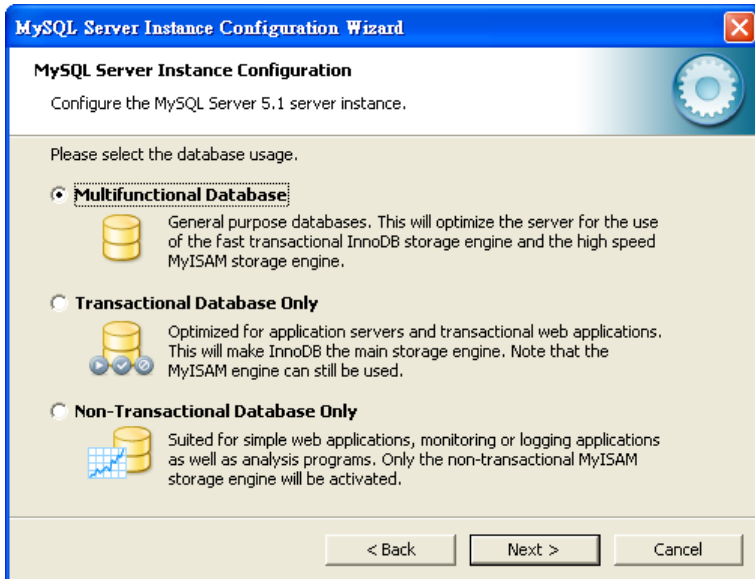
10. Select "**Detailed Configuration**" and click **Next** to go next step.



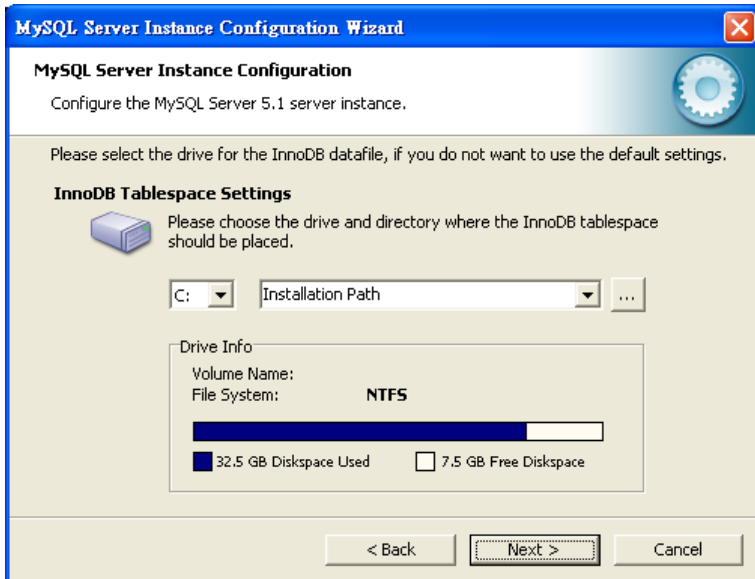
11. And then, select “**Server Machine**” and click **Next** to go next step.



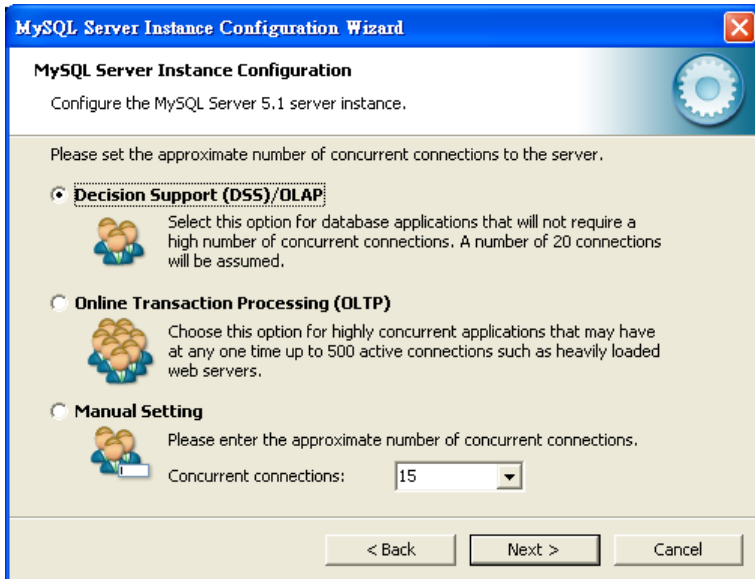
12. Select “**Multifunctional Database**” and click **Next** to continue.



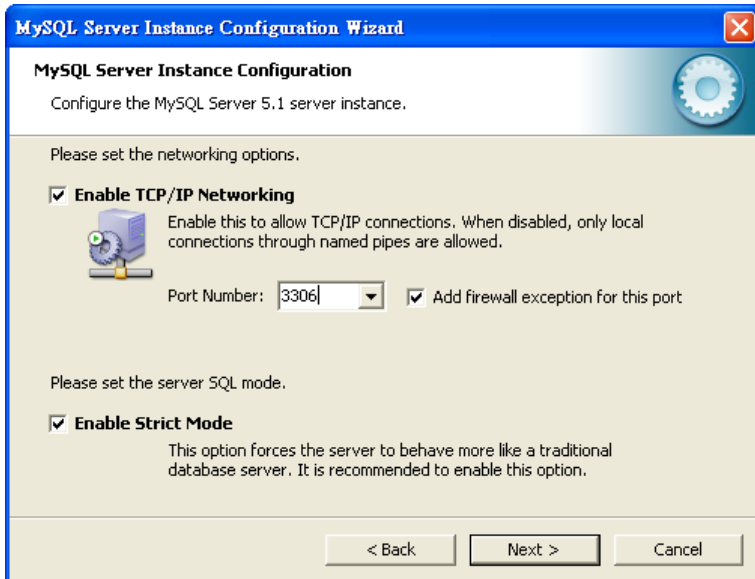
13. And then, select the path for database space. If user don't want to change and just leave as default setting. Click **Next** to go next step.



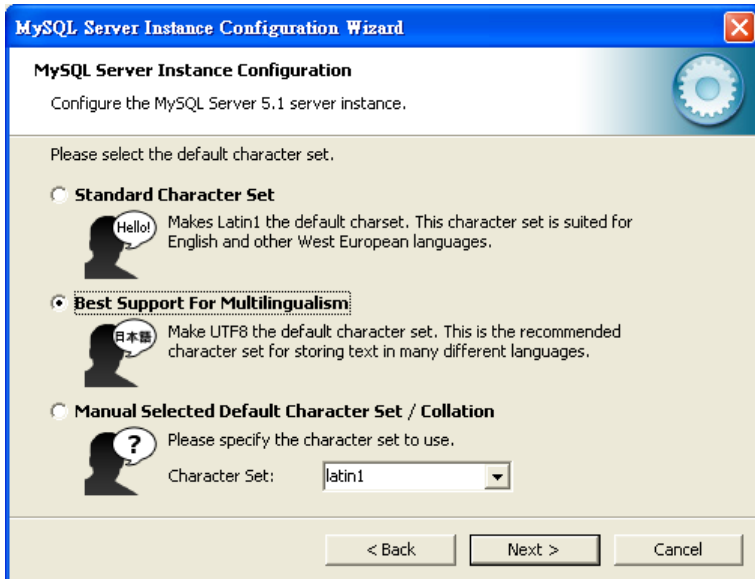
14. Select **“Decision Support(DSS)/OLAP”** for number of connection to the server. Click **Next** to go next step.



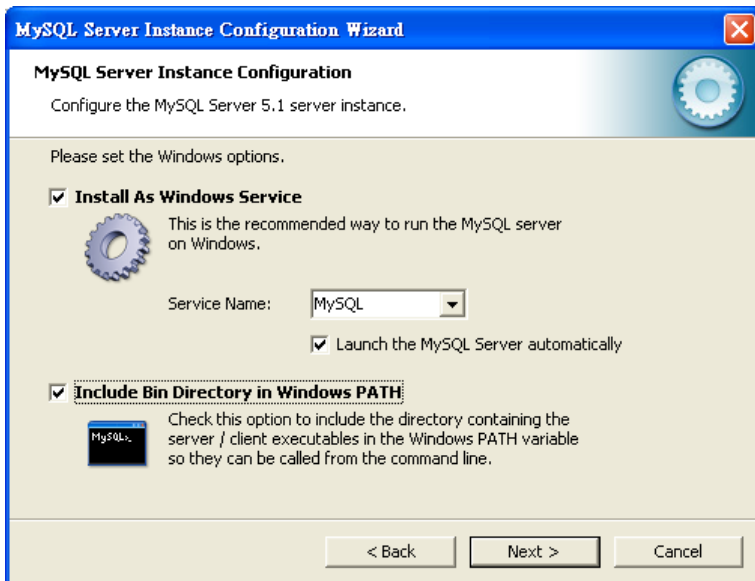
15. Setup the communication port of MySQL. The port range is 3306~3309. Mark **“Add firewall exception for this port”** to add the port of MySQL into Windows firewall and open for outside communication. Click **Next** to continue.



16. Select **“Best Support For Multilingualism”** as the default character set. Click **Next** to go next step.



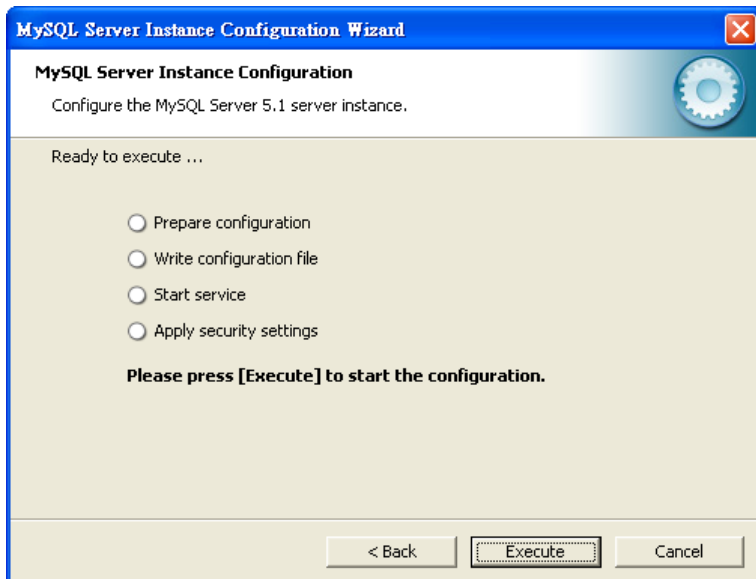
17. Mark **Install As Windows service** to add the MySQL as a service application in Windows. Mark **Include Bin Directory in Windows PATH** will add MySQL path to Windows path parameter. Click **Next** to go next step.



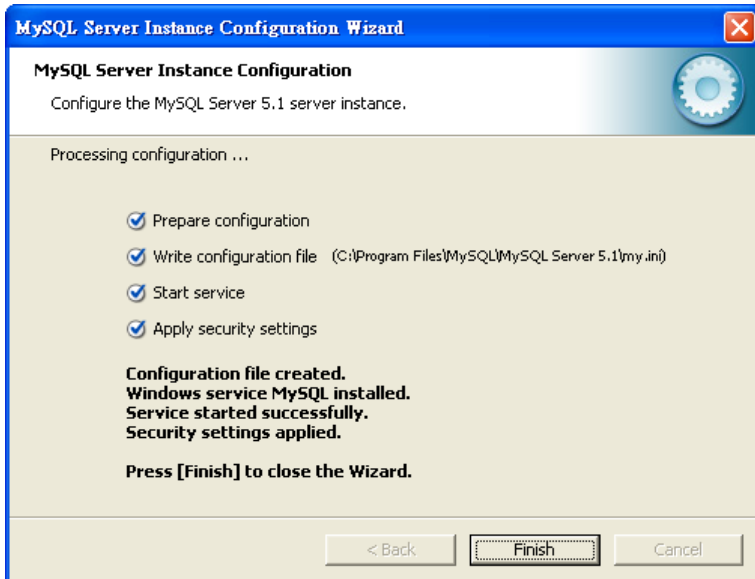
18. Mark **Modify Security Settings** to setup a password for security issue. Mark **Enable root access from the remote machines** will require to enter password when remote accessing to the MySQL server. Click **Next** to go next step.



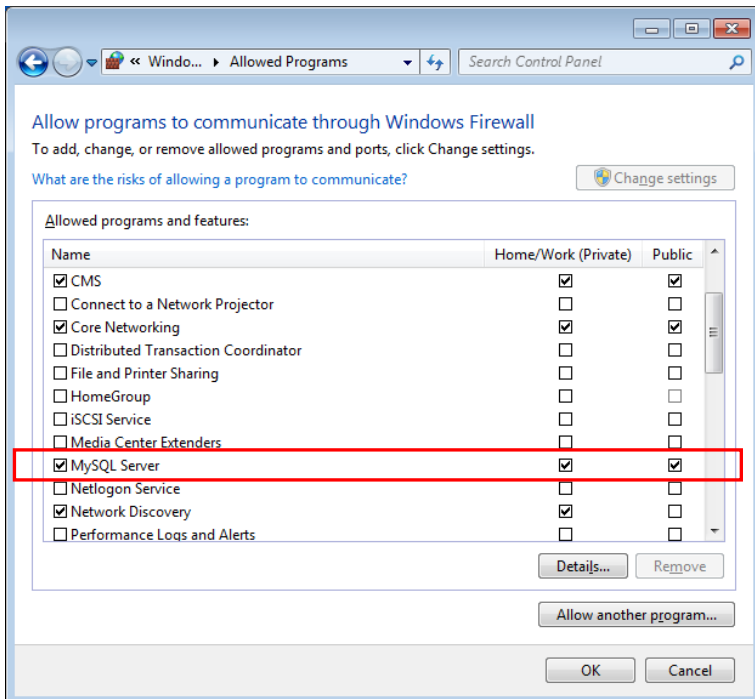
19. Click **Execute** to complete the configuration.



20. After configuration completed, click **Finish** to start MySQL.



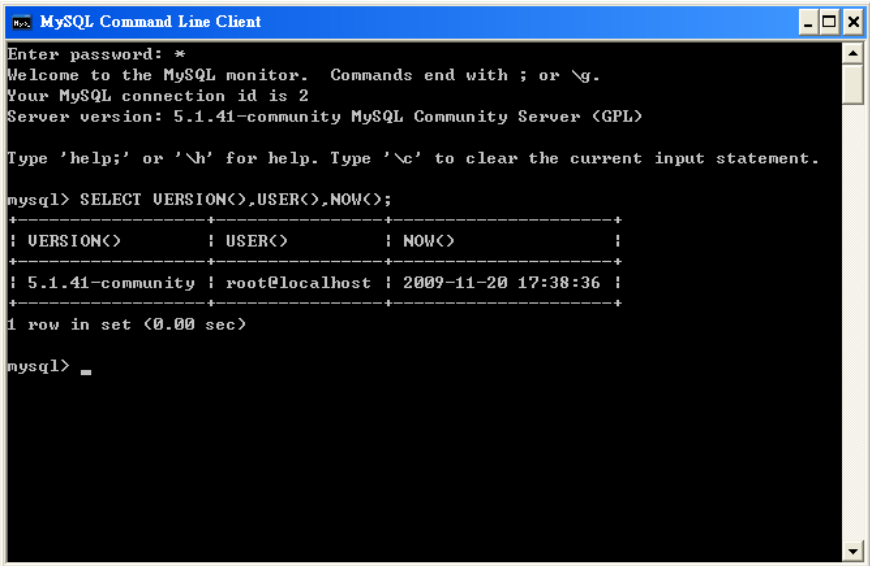
21. If user's PC has installed 2 Ethernet cards, please go to **Start > Control Panel > Windows Firewall** to check if the MySQL has allowed passing through both private and public on Windows firewall.



■ Testing MySQL

User can do the following steps to verify that MySQL has been installed well.

1. Go to MySQL command line mode(Start > Programs > MySQL→ MySQL Server 5.1→MySQL Command Line Client)
2. In **Enter Password** prompt, enter root password to login MySQL.
3. In **mysql** prompt, enter **SELECT VERSION(), USER(), NOW();**
4. The screen should display MySQL version, current user, and current time.



```
MySQL Command Line Client
Enter password: *
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.1.41-community MySQL Community Server <GPL>

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SELECT VERSION(),USER(),NOW();
+-----+-----+-----+
| VERSION()          | USER()          | NOW()          |
+-----+-----+-----+
| 5.1.41-community  | root@localhost  | 2009-11-20 17:38:36 |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> _
```

■ To re-install the MySQL Application

When user is unable to activate the MySQL, please follow the below steps to re-install the MySQL application.

1. Go to **Start > Program > Add or Remove Programs** and select the **MySQL** to un-install.
2. After un-installation, delete the following related folder.
 - C:\Documents and Settings\All Users\Application Data\MySQL(Please go to **My Computer > Options > enable "show hidden files, folders, or drivers"**)
 - C:\Program Files\MySQL
3. And then, go to **My Computer > Windows > System 32** and find the file "**regedit32.exe**". Double click **regedit32.exe** to execute.
4. Using search function to search keyword "**MySQL**" to find the file and delete it.



- Please be careful choose the file to delete; it might cause system damage by deleting wrong file.
- **Do not** delete the file that is belonging to NV DVR and CMS's MySQL setting file.

5. After deleting, please install the MySQL again.