



IDIS Solution Suite

Software Manual

Federation Service

Before reading this manual

This Operation Manual provides instructions for using IDIS Solution Suite, a network integration solution enabling remote control of network cameras and video servers.

References to IDIS Solution Suite system throughout this Operation Manual mean the computer system on which the IDIS Solution Suite program is running. References to device mean a network camera or a network video server.

Following program is provided in addition to IDIS Solution Suite:

Start > IDIS Solution Suite > Utility > ProblemReporter (contact your IDIS Solution Suite distributor for the **SecretKey**.)

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In-Text

Symbol	Type	Description
	Caution	Important information concerning a specific function.
	Note	Useful information concerning a specific function.

WEEE (Waste Electrical & Electronic Equipment)

Correct Disposal of This Product

(Applicable in the European Union and other European countries with separate collection systems)



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

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Part 1 – Introduction

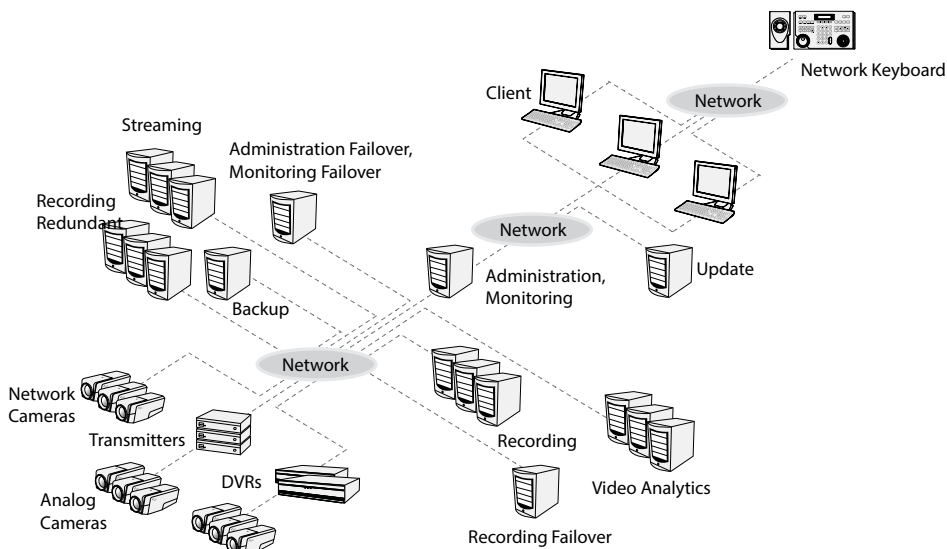
This document describes installation and operation of IDIS Solution Suite Federation software, which is designed to be used with IDIS Solution Suite Standard software.

The federation service allows you to monitor live video from devices registered on the administration services and to play back recorded video saved in the recording servers that are registered on the administration services. If a backup service is registered on a federation service, the IDIS Solution Suite system backs up video that is saved in the recording servers and DVRs registered on the administration services. If monitoring services are registered on a federation service, the IDIS Solution Suite system allows you to monitor events, which are notified from monitoring services registered on the administration services, in the Client system of the federation service.

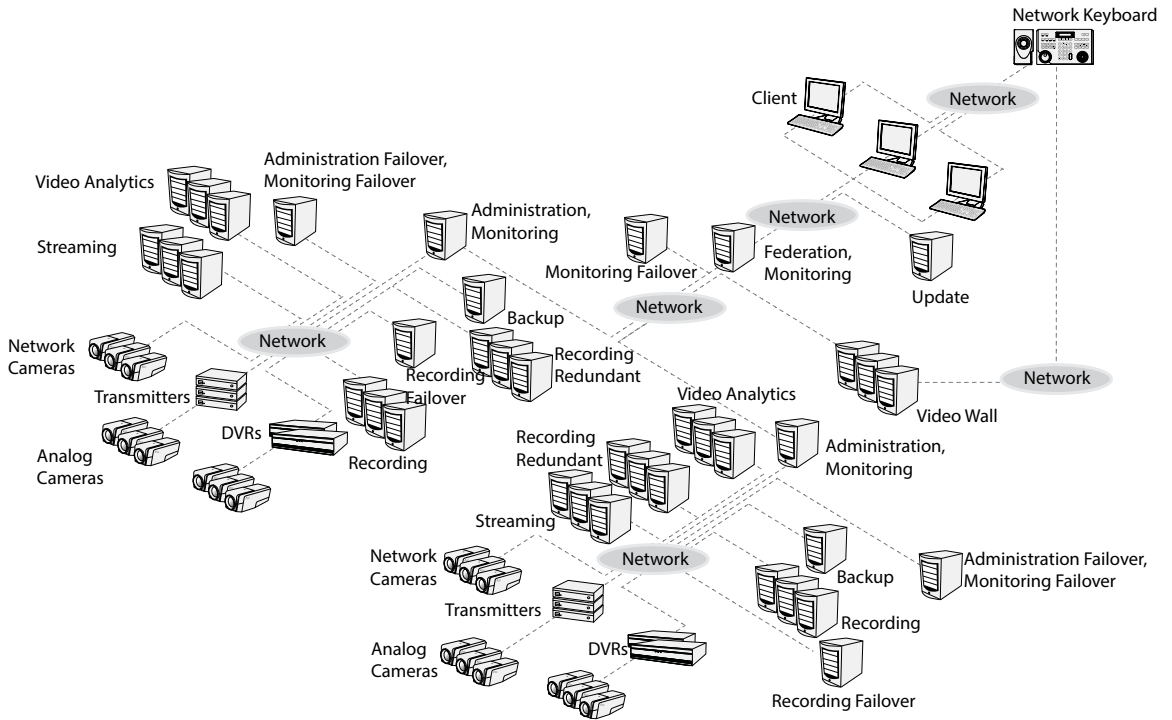
- ✓ This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).
- The software included in this product contains some Open Sources. You may obtain the complete corresponding source code depending on whether or not the source is publicly available under a license policy. Go to Client Menu - About page for more information. This product includes software developed by the University of California, Berkeley and its contributors, and software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>). Also, this product includes cryptographic software written by Eric Young (eay@cryptsoft.com), and software written by Tim Hudson (tjh@cryptsoft.com).

System Diagram

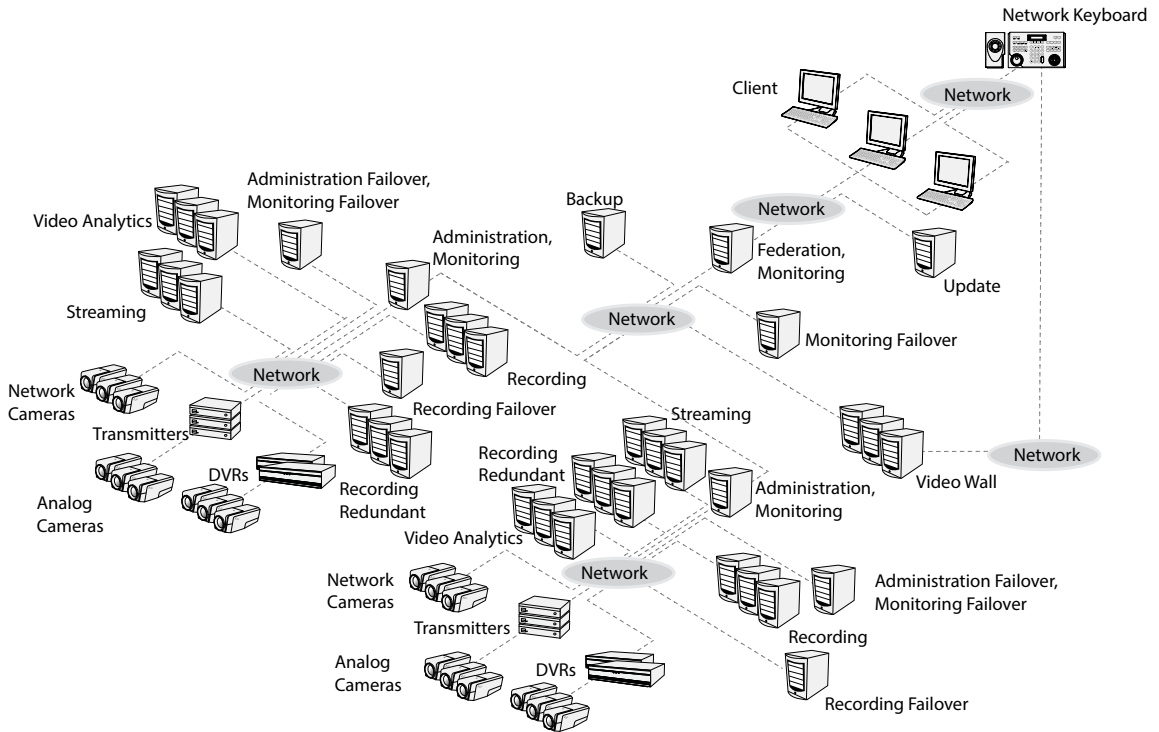
Monitoring Service Registered on Federation Service



Backup Service Registered on Administration Service



Backup Service Registered on Federation Service



Part 2 - Installation

Product Information

Package Contents

- Installation CD
 - User's Manual
 - License Key (WIBU-Key or Product Serial Number)
- If a WIBU-Key is disconnected from an administration server, the IDIS Solution Suite program will not operate properly.
- Stop running all services before connecting or disconnecting a WIBU-Key.

System Requirements

Server System

	Recommended
OS	Microsoft® Windows® XP 32-bit/Vista (Home Standard, Business, Ultimate, Enterprise), Microsoft® Windows® 7 (Home Premium, Professional, Ultimate), Microsoft® Windows® 8 (Pro, Enterprise), Microsoft® Windows® 8.1 (Pro, Enterprise), Microsoft® Windows® 10 (Home, Pro), Microsoft® Windows® Server 2003/2008/2012/2016
CPU	Intel Core i5-3570 3.30GHz/Intel Xeon E3 or faster (4cores or more)
RAM	2 GB or more
VGA	AMD Radeon™ HD 2400 or NVIDIA GeForce FX5500 (AMD recommended) (1280x1024, 32bpp or higher)
HDD	2 GB or more free space
LAN	Gigabit Ethernet or faster

Client System

	Recommended	Minimum	Fisheye Dewarping
OS	Microsoft® Windows® 7 64-bit (Home Premium, Professional, Ultimate) (Microsoft® Windows® 8 (Pro, Enterprise), Microsoft® Windows® 8.1 (Pro, Enterprise) compatible), Microsoft® Windows® 10 (Home, Pro)	Microsoft® Windows® XP Home SP 3	Microsoft® Windows® 7 64-bit (Home Premium, Professional, Ultimate)
CPU	Intel Core i5-3570 3.30GHz or faster	Intel Core 2 Duo E7200 2.53 GHz or faster	Intel Core™ i7-3770 3.40 GHz or faster
RAM	4 GB or more	2 GB or more	8 GB or more
VGA	AMD Radeon™ HD 3650 or NVIDIA GeForce GTX650 (AMD recommended) (1280x1024, 32bpp or higher)	AMD Radeon™ HD 2400 or NVIDIA GeForce FX5500 (AMD recommended) (1024x768, 24bpp or higher)	AMD Radeon™ HD 7700 or NVIDIA GeForce GTX650 or higher (1024x768, 24bpp or higher), multi monitor
HDD	6 GB or more free space	1 GB or more free space	6 GB or more free space
LAN	Gigabit Ethernet or faster	10/100 Mbps Ethernet or faster	Gigabit Ethernet or faster



- The IDIS Solution Suite service is installed and operates in 32-bit or 64-bit compatibility mode.
- Using 6 monitors on Videowall Agent with products under VGA 1GB may result in problems due to memory shortage. Ask you dealer or distributor for details about it.

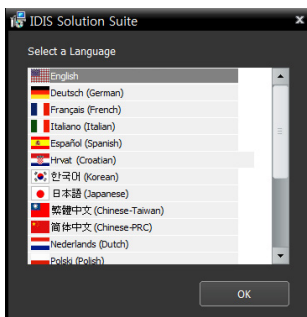
Installation

- ✓ Disable your PC's Windows power saving function: **Start** menu → **Power Options** → set both **Turn off the display** and **Put the computer to sleep to Never** (**Power Options** → **Power Schemes** tab → set both **Turn off monitor** and **Turn off hard disks to Never** when using the Microsoft® Windows® XP operating system).

- ⚠ If an older version of IDIS Solution Suite software is installed on your computer, a screen appears asking you to upgrade the software. In this case, you are required to upgrade the software according to the instructions in the screen.

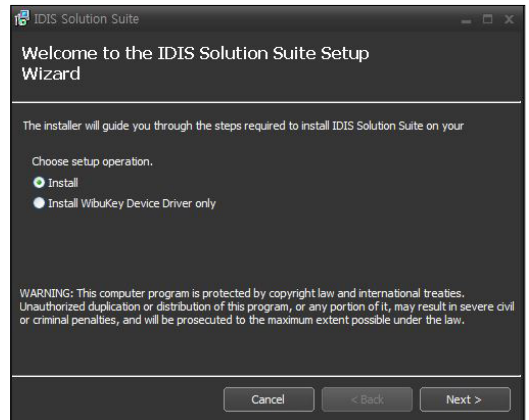
Server System

- 1 Insert the software CD in the federation server.
- 2 Run the **setupFED.exe** file of the software CD.
 - ✓ The **User Account Control** window might appear when using the Microsoft® Windows® Vista or later operating system. Click **Allow** and install the software following the instructions.
- 3 Select the language in which to run the program and then click **OK**.

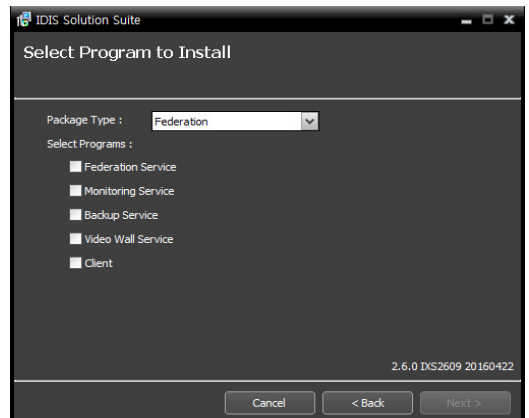


- ✓ To properly display the selected language, your PC's operating system should be set to support the selected language.
- To change the IDIS Solution Suite program's language after the software has been installed, select **Language Selector** in the **IDIS Solution Suite** → **Utility** folder of the **Start** menu before running the **IDIS Solution Suite** program.

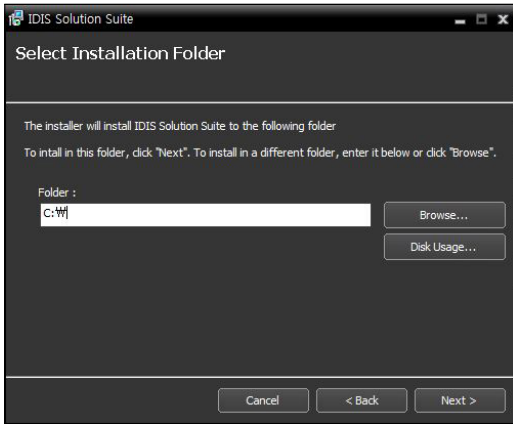
- 4 When the following screen appears, select **Install** and click **Next**.



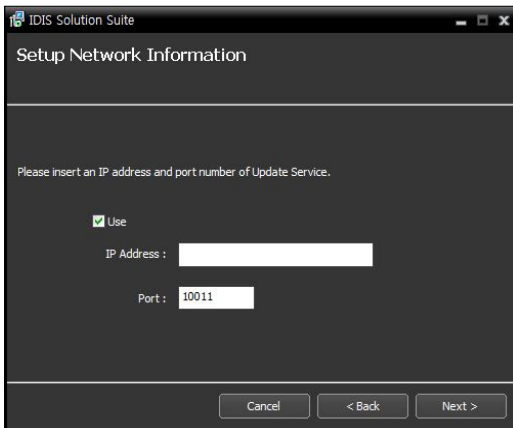
- 5 Select the services to install and click **Next**.



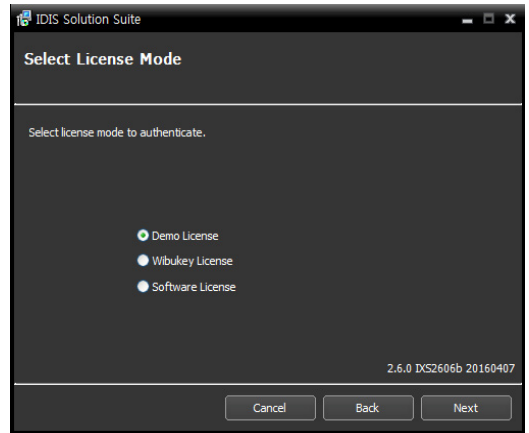
- 6 Designate the folder path to install the services. Clicking the **Disk Usage...** button shows the available and required disk space for each hard disk drive for the installation. Then click **Next**.



- 7 If you use the update service, it is required to enter the IP address and port number of the update server when installing the administration service. You can change the settings in the Service Manager program after completing installation.

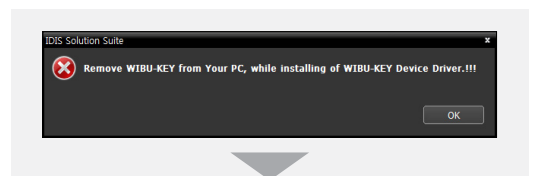
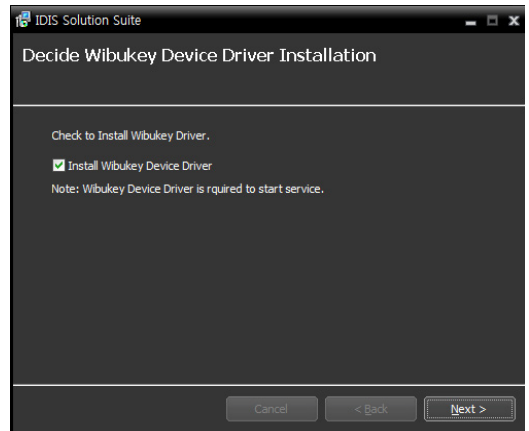


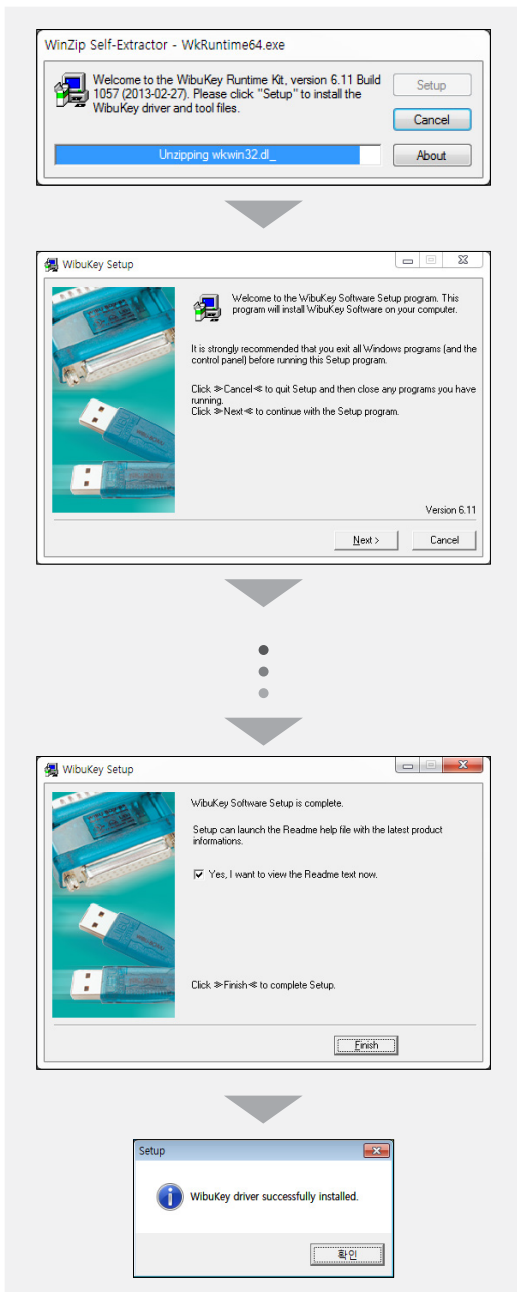
- 8 Select a license mode and click Next. You can change the settings in the Service Manager program after completing installation.



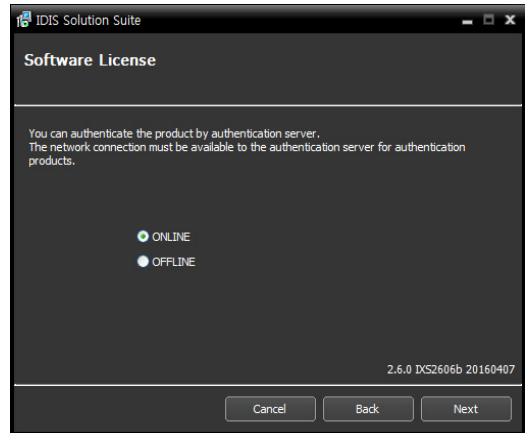
- 9 Select **Demo License** and click **Next** to use the demo license authentication. Demo license authentication requires no further license related process.

- 10 Disconnect the WIBU-Key from the server if a WIBU-Key is connected. Then install the WIBU-Key device driver following the instructions.



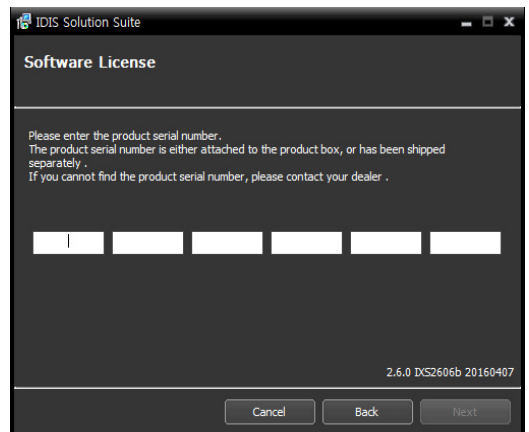


- 11 Select a software license authentication mode and click **Next**. If the network connection to the authentication server is not available, select OFFLINE.

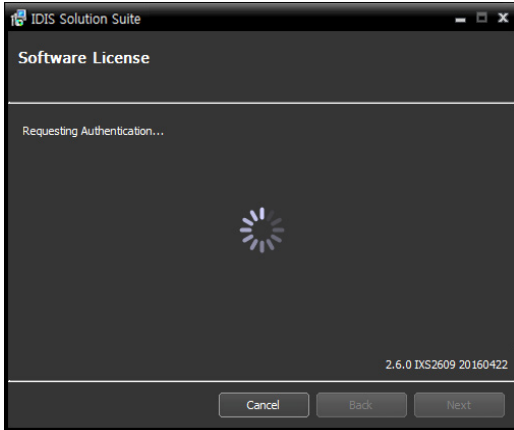


- The software license authentication is not supported in the virtualized system. Ask your dealer or distributor for details about it.

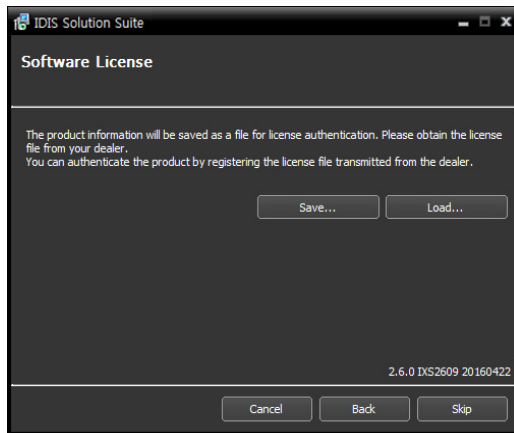
- 12 Enter the product serial number and click **Next**. The serial number is either attached to the product box or enclosed in the product box. If you cannot find the product serial number, please contact your dealer.



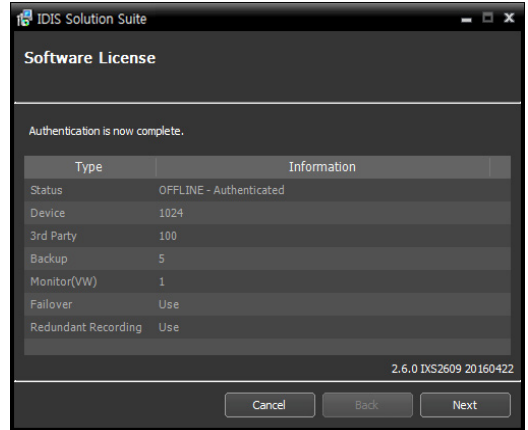
13 Online authentication requests license authentication from the remote authentication server through a network connection. If the network connection is not available due to network failure, select **Skip** and go on to the next step. You can authenticate with a license tool after completing installation.



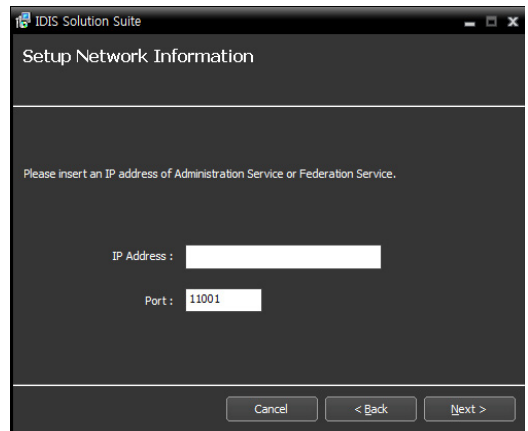
14 The offline authentication is available by registering the license file transmitted from the dealer in the exchange with the product information file.



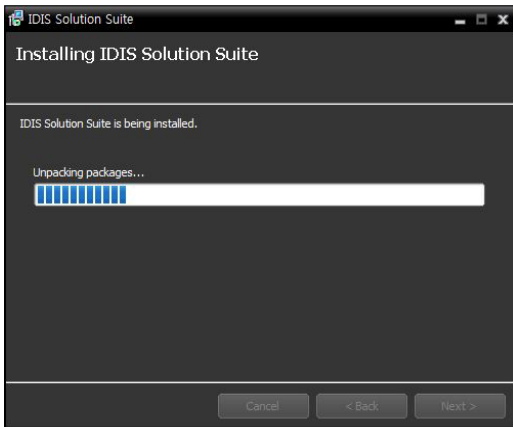
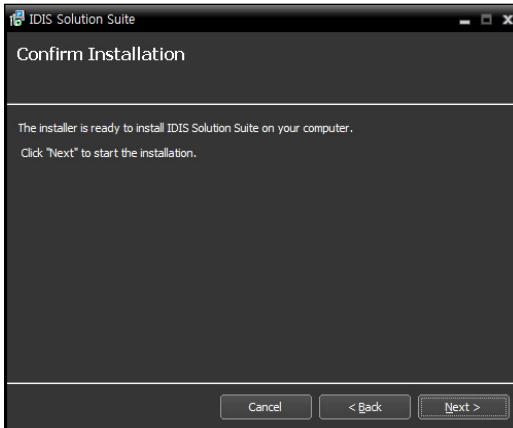
15 Current license information is displayed after the authentication is completed.



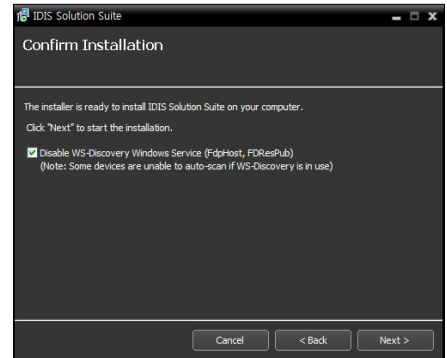
16 If the service is installed on separate PCs, it is required to enter the IP address and port number of the federation service when installing the monitoring service. You can change the settings in the Service Manager program after completing installation if necessary. When the installation is complete, the monitoring service is connected to the federation service via the network if both the services are operating.



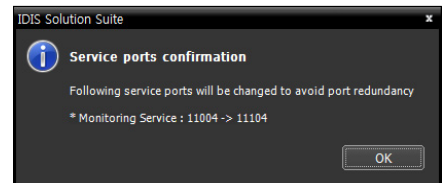
17 When the following screens appear, click Next.



- The following screen appears when using Microsoft® Windows® Vista or later operating systems. It is recommended that you check the **Disable WS-Discovery Windows Service (fdpHost, FDResPub)** box. If you do not check the box, the IDIS Solution Suite program cannot auto-scan devices using ONVIF™ Conformance protocol when scanning devices for device registration.

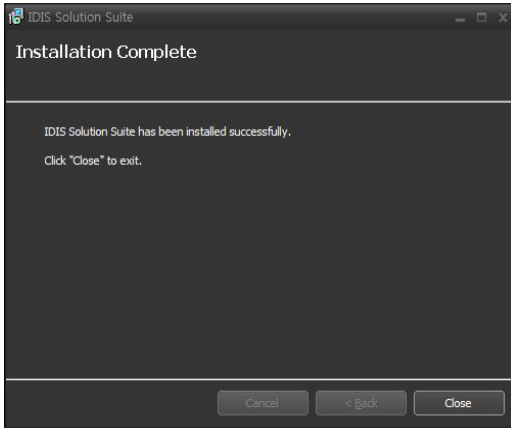


- The following screen appears when the port number of the service being installed is already in use, and the screen displays the port number that will be changed. The changed port number will be applied when the service starts operating after installation.



- .NET Framework** and the **Visual C++ Runtime Libraries** are installed automatically, and it may take some time. This installation step will be skipped if the programs are already installed on your computer.

- 18 When the following screen appears, click the **Close** button to complete the installation.

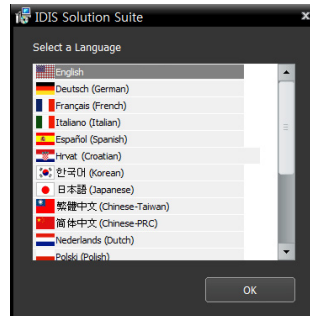


- ✓ After successfully installing WIBU-Key device driver, the PC restarts automatically.

- 19 Connect WIBU-Keys to the federation server.

Client System

- 1 Insert the software CD in the Client PC.
- 2 Run the **setupFED.exe** file of the software CD.
 - ✓ The **User Account Control** window might appear when using the Microsoft® Windows® Vista or later operating system. Click **Allow** and install the software following the instructions.
- 3 Select the language in which to run the program and then click **OK**.

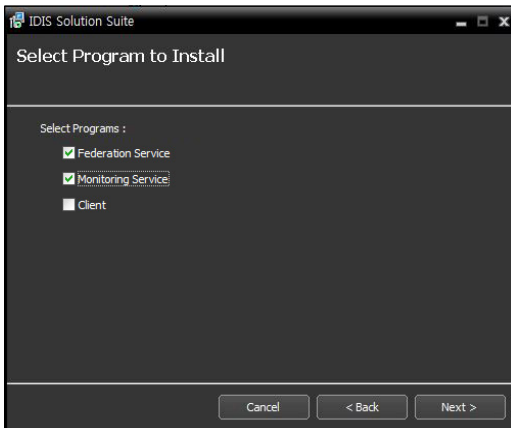


- ✓ To properly display the selected language, your PC's operating system should be set to support the selected language.
- To change the IDIS Solution Suite program's language after the software has been installed, select **Language Selector** in the **IDIS Solution Suite** → **Utility** folder of the **Start** menu before running the **IDIS Solution Suite** program.

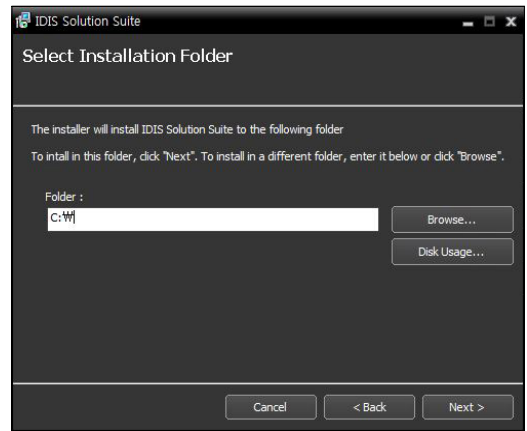
- 4 When the following screen appears, select **Install** and click **Next**.



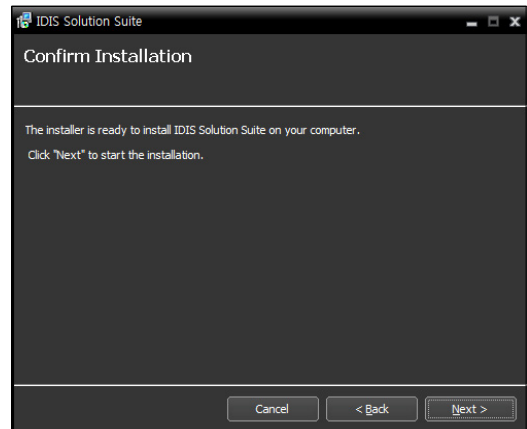
- 5 Select **Client** and click **Next**.

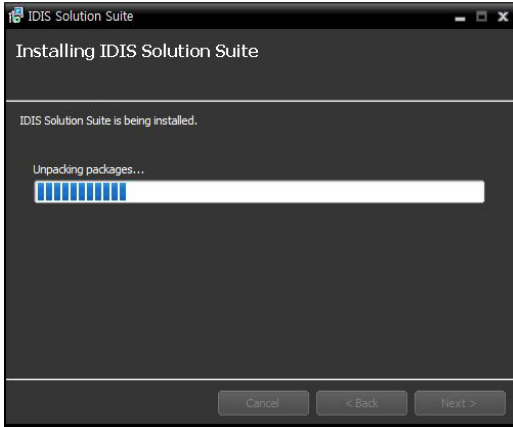


- 6 Designate the folder path to install the Client program. Clicking the **Disk Usage...** button shows the available and required disk space for each hard disk drive for the installation. Then click **Next**.

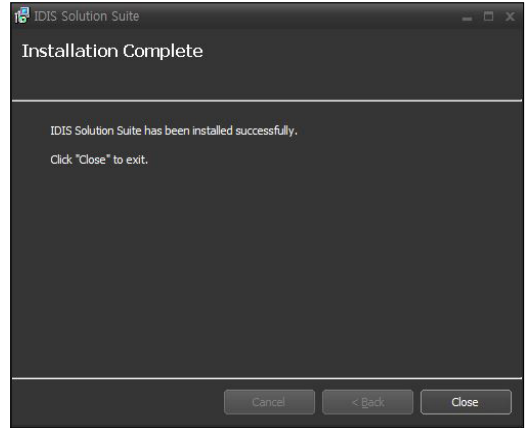


- 7 When the following screens appear, click **Next**.

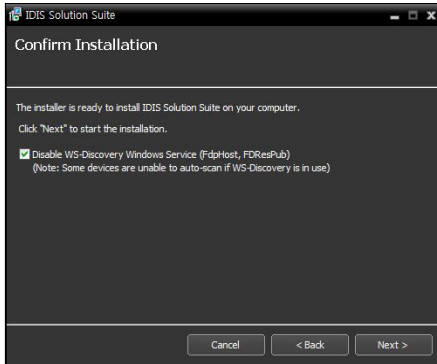




8 When the following screen appears, click the **Close** button to complete the installation.



- The following screen appears when using Microsoft® Windows® Vista or later operating systems. It is recommended that you check the **Disable WS-Discovery Windows Service (fdpHost, FDResPub)** box. If you do not check the box, the IDIS Solution Suite program cannot auto-scan devices using ONVIF™ Conformance protocol when scanning devices for device registration.



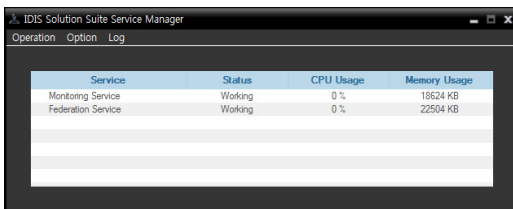
- **.NET Framework** and the **Visual C++ Runtime Libraries** are installed automatically, and it may take some time. This installation step will be skipped if the programs are already installed on your computer.

Automatic Upgrade

You can upgrade all services automatically by running the update service and designating the installation file of the software version to upgrade.

Update Service Setup

- 1 Run the **Service Manager** program in the federation server.

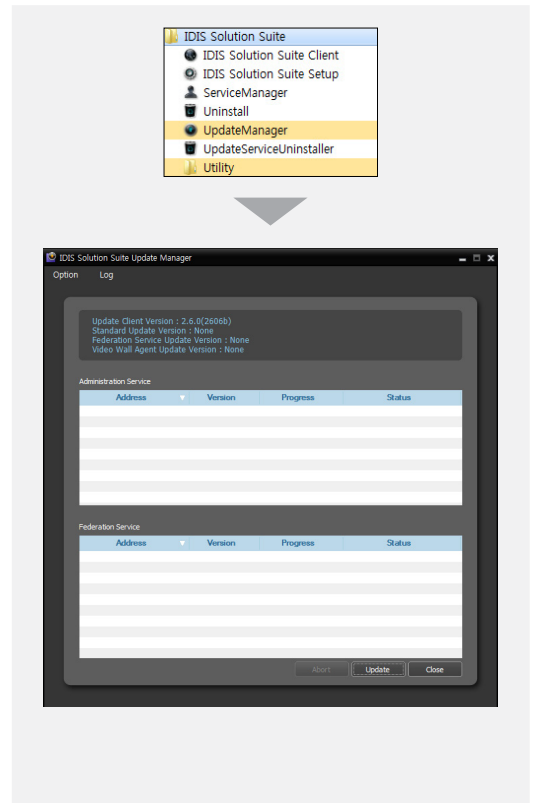


- 2 Select **Federation Service** and click **Option** menu. Then select **Update Package** and select **Update Service** tab. Check the **Use** box and enter the IP address and port number of the update server. Refer to the IDIS Solution Suite Standard User's Manual for details about the installation of the update service.



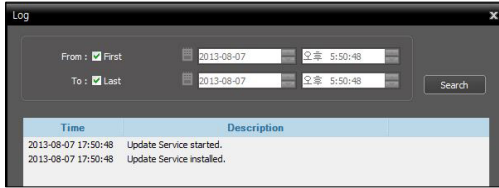
Upgrade

- 1 Go to the **Start** Menu in the update server → Click **IDIS Solution Suite** → Run the **Update Manager** program.



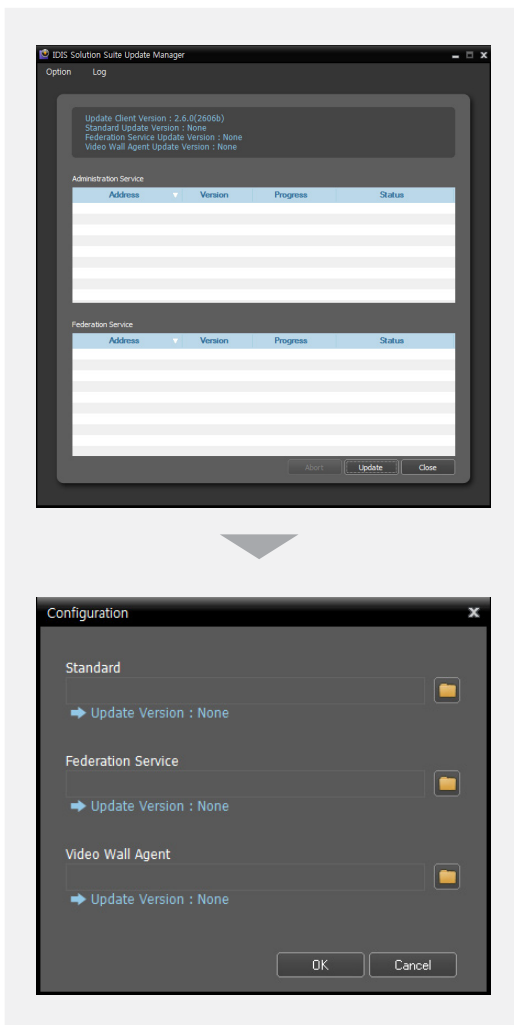
- **Option:** Designates the upgrade file or sets up the port number of the update server.
 - **Update Package:** Designates the folder path of the upgrade installation file.
 - **Port Setup:** Sets the port number of the update server.
- **Log:** Selecting **Show Log** allows you to check and search the system log.


Part 2 - Installation



Setting up the time range of the log and clicking the **Search** button displays the log information. Selecting **First** displays from the oldest log entries regardless of date. Selecting **Last** displays to the newest log entries regardless of date.

2 Click the **Option** menu and select **Update Package**.




Click the  button and designate the folder path of the upgrade installation file. Click the **OK** button.

3 Click the **Update** button at the bottom of the **Update Manager** screen. For a Client system with no IDIS Solution Suite service program installed, clicking the **Update** button upgrades the Client program. For server systems, each service connects to the update service periodically and automatically upgrades if necessary.

Uninstall

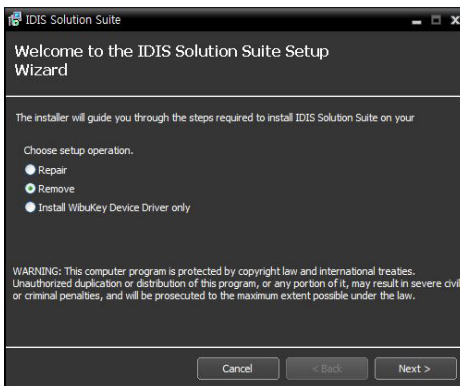
1 Stop running the services and Client program first.

- The IDIS Solution Suite software might not be uninstalled correctly if you uninstall it while the services or Client program is running.

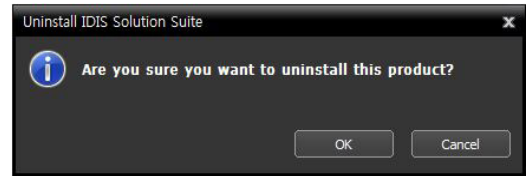
-  The IDIS Solution Suite software should be uninstalled following the procedures below. If you delete the installation folder manually, the IDIS Solution Suite software cannot be uninstalled or reinstalled.

2 Go to the **Start Menu**, and click **IDIS Solution Suite**. Click **Uninstall IDIS Solution Suite**.

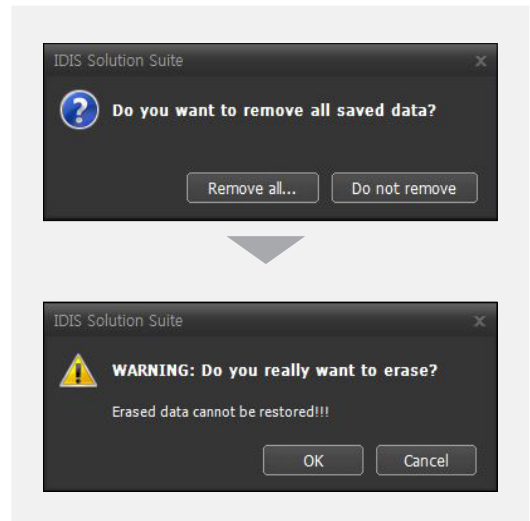
- You can uninstall the software by using the software CD. Insert the software CD in the federation server or Client PC and run the **setupFED.exe** file. Select **Remove** and click **Next**.



3 Click **OK** when the following screen appears.



4 Click the **Remove All** or **Do not remove** button when the following screen appears. Clicking the **Remove All** button deletes all saved data including recorded video and previous settings in the system. Clicking the **Do not remove** button uninstalls the software without deleting any saved data in the system and keeps all saved data in the system.



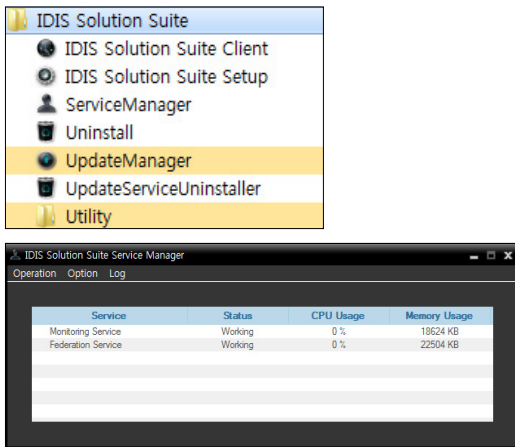
- The deleted data cannot be restored once the data is deleted.

5 Click the **OK** button to complete the uninstall process.

Part 3 - Getting Started

Running Services

When the services are installed, the services run automatically. You can also start or stop running the services manually. Go to the **Start Menu** → Click **IDIS Solution Suite** → Run the **Service Manager** program.

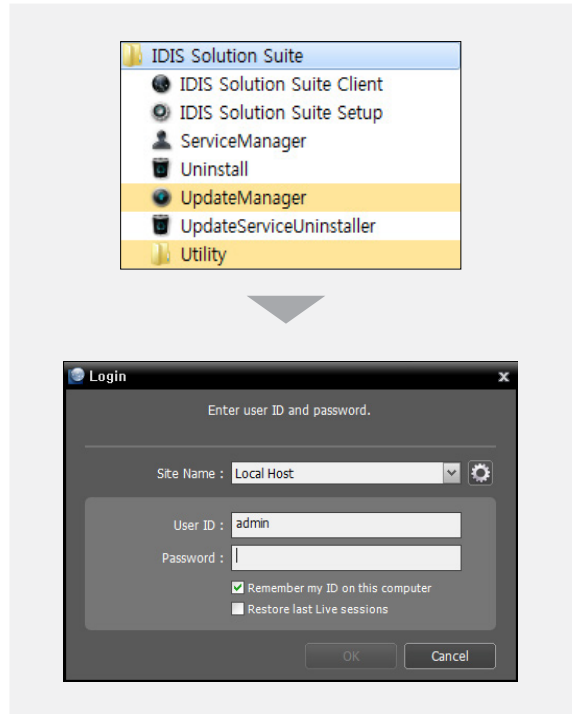



Check the status of services. If any of the services are not listed as **Working** under **Status**, start the services manually. Refer to the IDIS Solution Suite Standard User's Manual for details about the **Service Manager** program.

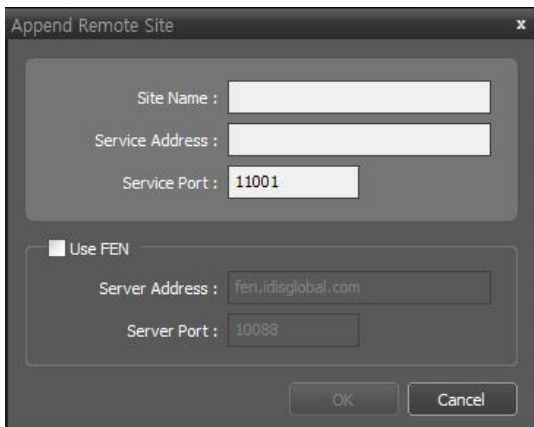
Log In

You are required to log in to the federation service as follows when running the Setup and Client programs.

Go to the **Start Menu** → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Setup** or **IDIS Solution Suite Client** program and enter login information.



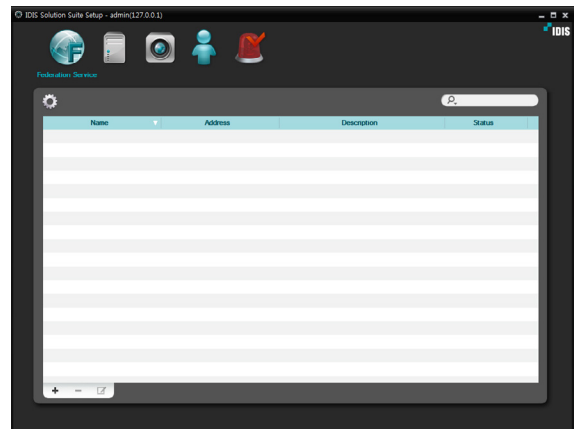
- **Site Name:** Select the federation service to connect to from the list. Select **Local Host** as the default setting if the federation service is running in the current system. You can add other federation services to the list or modify information about the federation service in the list by clicking the  button at the right.




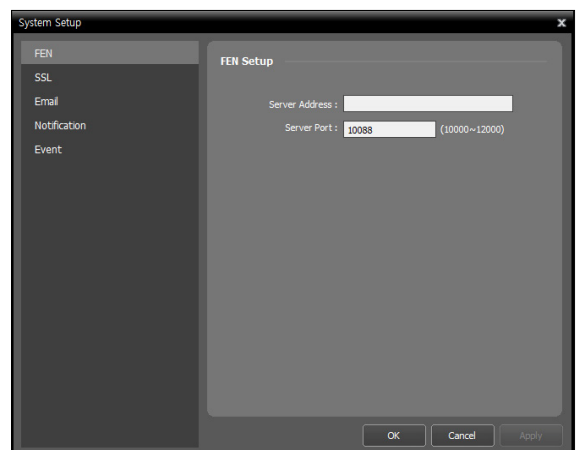
- **Site Name, Service Address, Service Port:** Designate the name of the federation service and enter the IP address and port number of the federation server (default: 11001).
- **User ID, Password:** Enter your user ID and password. The default user ID is **admin** and default password is **12345678**. You can change the user ID and password in the User menu. Refer to IDIS Solution Suite Standard User's Manual for details.
- **Remember my ID on this computer:** Check the box if you want to save your ID for logging on.
- **Restore last Live sessions:** Check the box if you want to restore the previous live monitoring sessions in the current Live panels of the Client program (supported only for the Client program).

System Setting

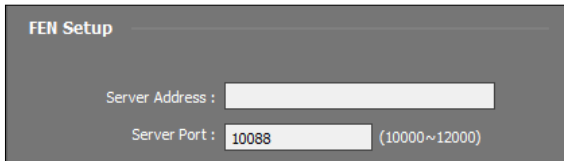
Run the Setup program and set up the federation server.



Click the  (System Setup) button to display the system setup screen.



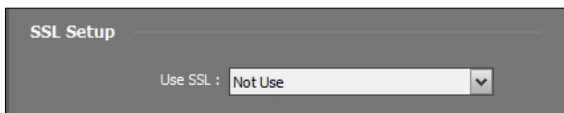
FEN



The screenshot shows the 'FEN Setup' form. It has two input fields: 'Server Address' and 'Server Port'. The 'Server Port' field contains the value '10088' and has a range '(10000~12000)' indicated next to it.

- **Server Address, Server Port:** Enter the IP address (domain name) and port number of the FEN server that the administration server to be registered on the federation server is registered.

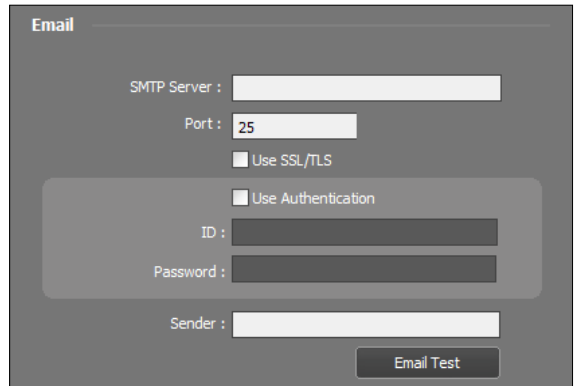
SSL



The screenshot shows the 'SSL Setup' form. It features a dropdown menu labeled 'Use SSL' with the current selection being 'Not Use'.

Use SSL: Allows you to enhance the security of data transferred between services of the IDIS Solution Suite program by using the SSL (Secure Sockets Layer) protocol. Using the SSL function might cause congestion in the federation server depending on the security level. Log in to the IDIS Solution Suite program again after you change the setting. When the setting is changed, all services that are currently connected to the federation service reconnect, and the IDIS Solution Suite Setup and IDIS Solution Suite Client programs are logged out.

Email

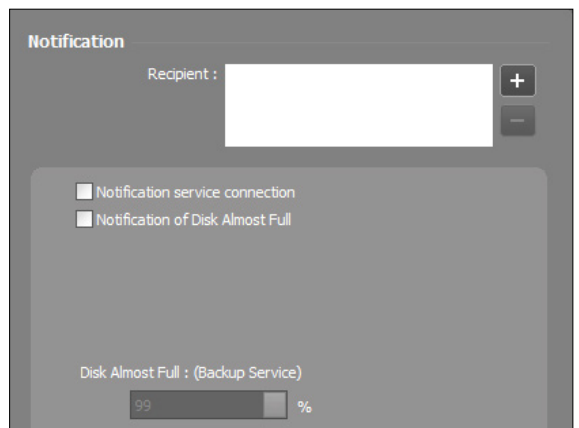


The screenshot shows the 'Email' configuration form. It includes fields for 'SMTP Server', 'Port' (set to 25), 'Use SSL/TLS' (checkbox), 'Use Authentication' (checkbox), 'ID', 'Password', and 'Sender'. There is an 'Email Test' button at the bottom right.

Enter the SMTP server information.

- **SMTP Server, Port:** Enter the email address and port number of the SMTP server. Select Use SSL/TLS if the SMTP server requires SSL (Secure Sockets Layer) authentication.
- **Use Authentication:** Select and enter the ID and password if the SMTP server requires user authentication.
- **Sender:** Enter the sender's email address.
- **Email Test:** Click the button to test if the SMTP server information is correct.

Notification



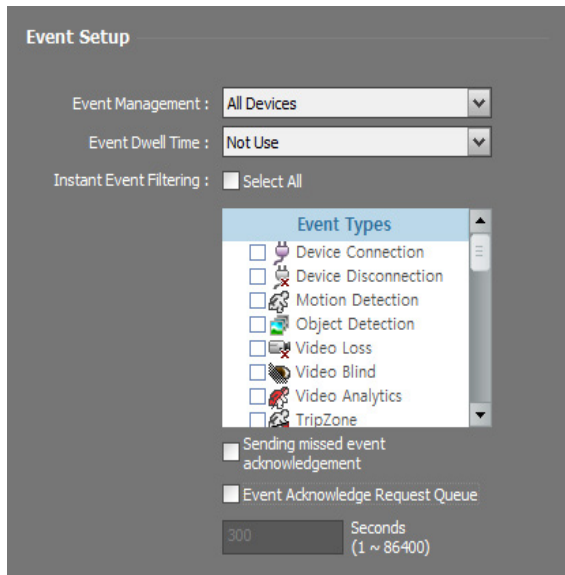
The screenshot shows the 'Notification' configuration form. It has a 'Recipient' field with '+' and '-' buttons. Below are checkboxes for 'Notification service connection' and 'Notification of Disk Almost Full'. At the bottom, there is a 'Disk Almost Full : (Backup Service)' section with a progress bar showing 99%.

The IDIS Solution Suite system can notify service disconnection by sending an email.

- **Recipient:** Clicking the + button at the bottom allows you to enter email addresses of the recipients.
- **Notification service connection:** Sends an email to the recipients when any services are disconnected from the federation service.

- **Notification of Disk Almost Full:** Sends an email to the recipients when the system detects that the defined percentage of the hard disk storage space is being used.

Event



Set up the Event Management schedule option.

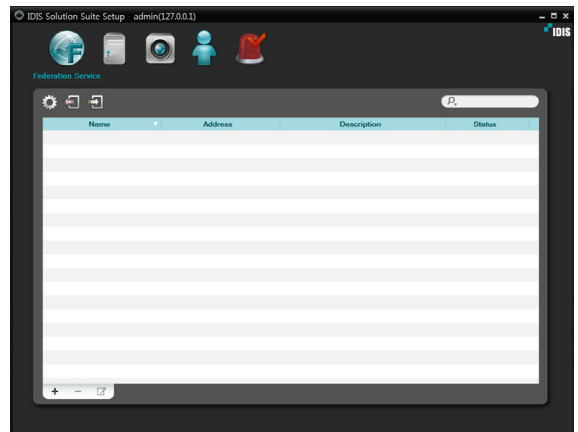
- **Event Schedule:** Enables or disables the **Event Management** menu. Refer to [Setup \(34 page\)](#) for details about the Event Management menu.
 - **Use:** Notifies you of events based on the settings in the **Event Management** menu.
 - **Not Use:** Notifies you of events based on the settings of the following **Event Management** options.
- **Event Management**
 - **Monitoring Devices:** Notifies of events detected at the currently monitoring cameras in the Live or Map panel.
 - **All Devices:** Notifies of events detected at cameras registered on the federation service.
- **Event Dwell Time:** The federation service does not notify you of the same type of events detected for the same camera within the specified period of time after the first event occurs.
- **Sending missed event acknowledgement:** Saves event acknowledgement if a recipient user has not logged on, and notifies the missed acknowledgement when the user logs on.

- **Event Acknowledge Request Queue:** If a recipient user does not check the received event for the preset period of time, the event is forwarded to the monitoring group's user.

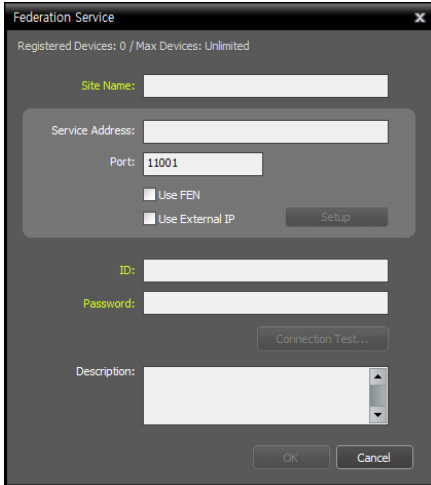
Registering Services

You must register administration services on the federation service.-

Go to the **Start Menu** → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Setup** program and enter login information.



- 1 Click the **+** button at the bottom. The **Federation Service** window appears. Enter the information for the administration service to register.

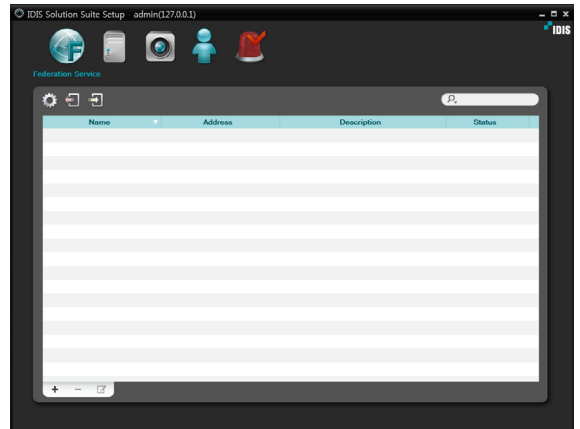


- **Site Name:** Enter the name of the administration service.
- **Service Address, Port:** Enter the IP address and port number of the administration server.
 - **Use FEN:** If the administration server uses the FEN function, selecting Use FEN allows you to enter the administration server’s name registered on the FEN server instead of the IP address.
 - **Use External IP:** Click the **Setup** button and enter the external IP address and port number of the administration server.
- **ID, Password:** Enter the ID and password for connection to the administration service. Only the users in the **Administrators** group are allowed to connect to the administration service from the federation service.
- **Connection Test:** Click the button to test the connection to the administration service with the information entered above.

Service Database Backup/Restore

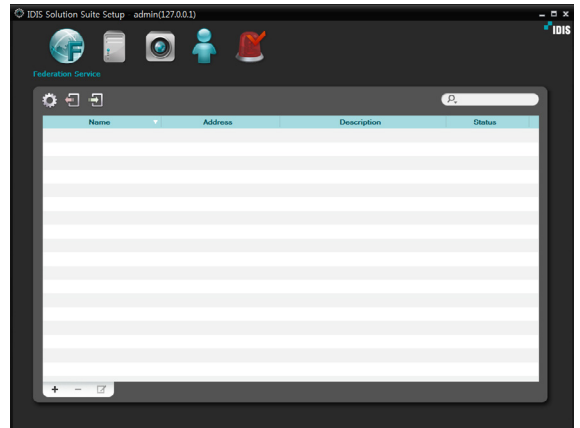
Click the (Service Database Backup) button to save service related setup values as .iexp file.

Click the (Service Database Restore) button to apply the saved setup values to the current IDIS Solution Suite system.



- This function is supported only when all services, registered at administration service, are connected to the administration service.

Run the IDIS Solution Suite program.



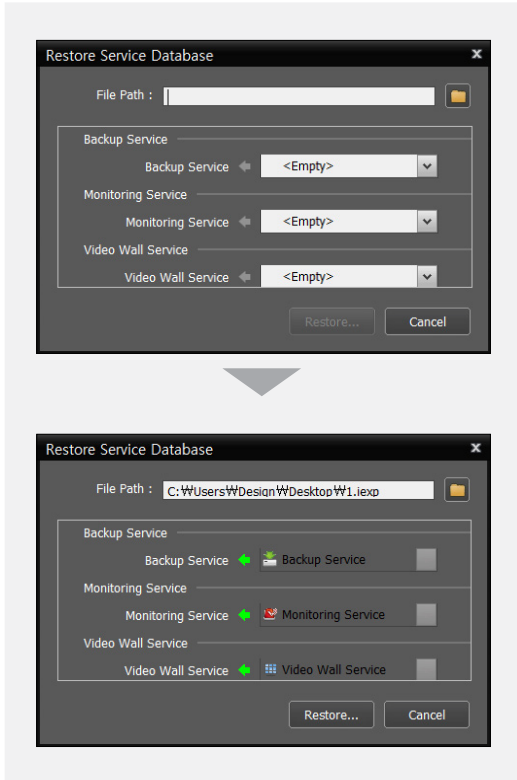
Backup Service Database






- 1 Click the (Service Database Backup) button.
- 2 Enter the file name and save the present setup values.

- The list of the services is displayed when saving is complete.

Backup Service Database

Click the  (Service Database Restore) button.





- Click the  button at the top right, and select the setup file to apply.
- The service currently connected to the administration service is displayed on the left side of the  icon.
- The service stored in the selected setup file is displayed on the right side of the  icon.
- Select the service to apply, from the drop down menu on the right side of the  icon.
- When there is only one service of the same type on the left side of the  icon, or when the service stored in the setup file is a service backed up from the current administration service, the service is automatically applied.

- Click the **Restore** button at the bottom.

- The IDIS Solution Suite program restarts after the application.

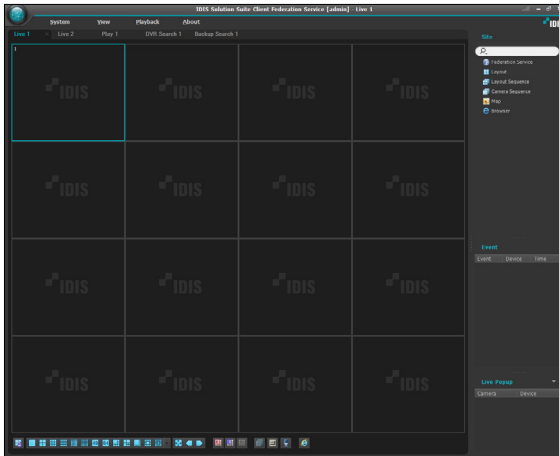


This function is not supported in the following cases:

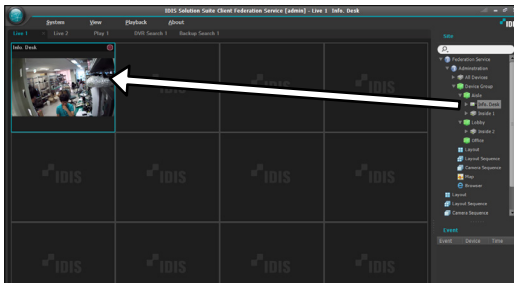
- When the software version of the service displayed on the right side of the  icon is higher than the one on the left side.
- When the number of types of services or the number of services is different between the left and right of the  icon.

Live Video Monitoring

Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Client** program and enter login information.

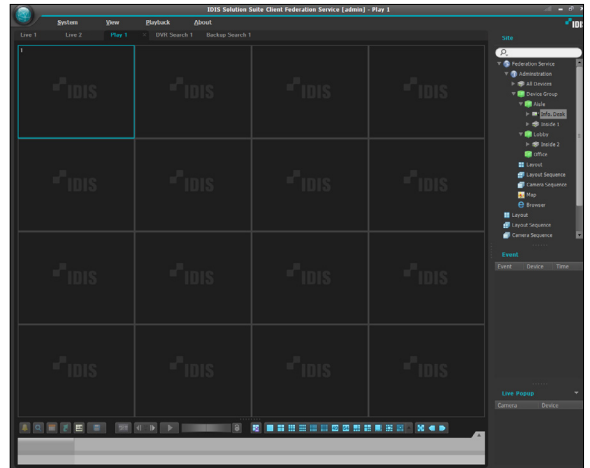


- 1 Check that the administration services were added to **Federation Service** in the **Site** list.
- 2 Click the Live tab on the tab panel → Select a site to connect to from the **Site** list, and drag and drop it on the Live screen. Live video from the selected site is displayed on the screen. Monitoring video in the Client program of the federation server is identical to monitoring of the administration server. Refer to the IDIS Solution Suite Standard User's Manual for details.



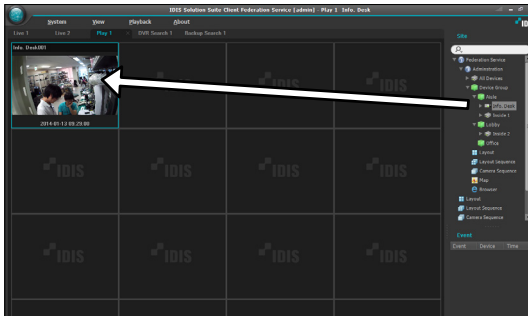
Playing Recorded Video

Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Client** program and enter login information.



- 1 Check that the devices were added to a device group in the **Site** list.

- 2 Click the Play or DVR Search tab on the tab panel → Select a site to connect to from the **Site** list, and then drag and drop it on the Play or DVR Search screen. Recorded video from the selected site is displayed on the screen. You can search and play back recorded video by using the panel toolbar and timetable at the bottom of the Play or DVR Search panel. Playing back recorded video in the Client program of the federation server is identical to playing back of the administration server. Refer to the IDIS Solution Suite Standard User's Manual for details.



Part 4 - System Overview

The IDIS Solution Suite Federation software consists of the Service Manager, Setup and Client programs. Setting up and operating each program of the IDIS Solution Suite Federation software is identical to that of the IDIS Solution Suite Standard software except for the following functions. Refer to the IDIS Solution Suite Standard User's Manual for details. The following functions provided by the monitoring service are not supported by the IDIS Solution Suite Federation software.

- **Client program:** Instant recording
- **Setup program:** Device setup, Recording Schedule setup

License

The IDIS Solution Suite software supports demo, WIBU Key and software license.

The demo license lasts for 70 days in maximum, and the software or WIBU-Key license authentication before the expiration date is necessary to use continuously.

WIBU-Key License

When running with the WIBU-Key license, the number of devices and services that can be registered differ according to the number and type of WIBU-Keys connected to the administration server. Some of the services require WIBU-Keys connected to the system with the other installed service instead of the administration service. Ask your dealer or distributor for details about it.

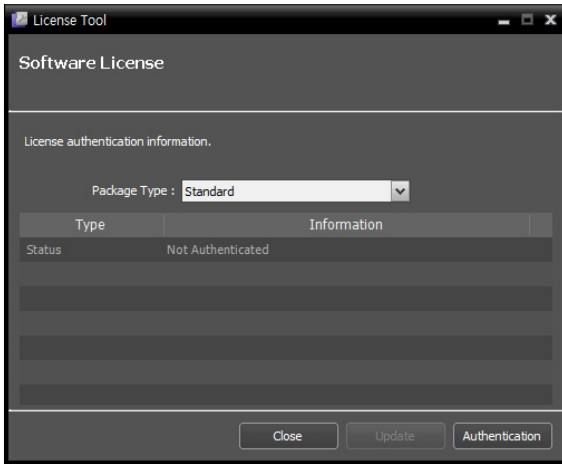
- Number of services and devices that can be registered and channels that recording, streaming, video analytics and video wall are available for:
 - One monitoring service, one to four streaming services, 32 video analytics services, 64 recording services, 64 recording redundant services, 64 backup services, 8 video wall services, the same number of failover services as administration, monitoring, recording and video wall services. The number of streaming services that can be registered differs depending on the type and number of WIBU-Keys purchased. Backup, video wall, recording redundant, and failover services are sold separately.

Software License

The software license authentication is not supported in the virtualized system (supported only in VMware ESXi system of version 6.0.0). Ask your dealer or distributor for details about it.

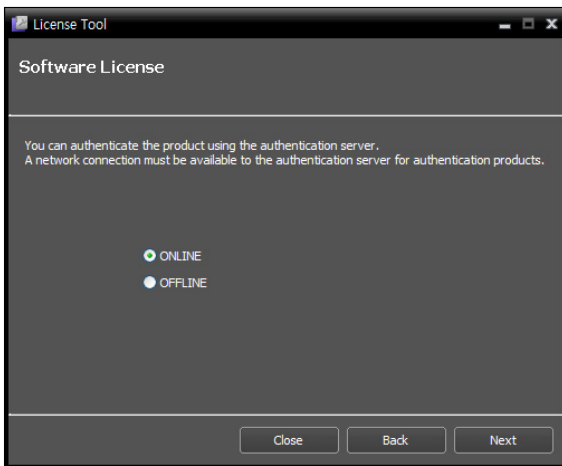
Software License Authentication

- 1 Go to the **Start** menu > Click **IDIS Solution Suite** > Run the **License Tool** program to display the installed IDIS Solution Suite software package. Select a package to get the software license authentication and click **Authentication**.

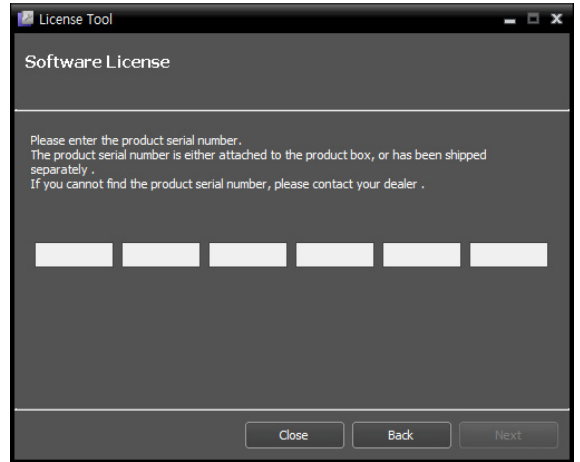


- Package Type: Displays the installed IDIS Solution Suite software package.

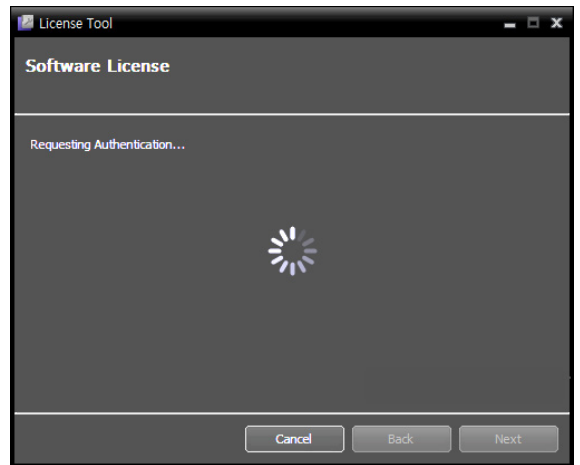
2 Select a software license authentication mode and click **Next**.



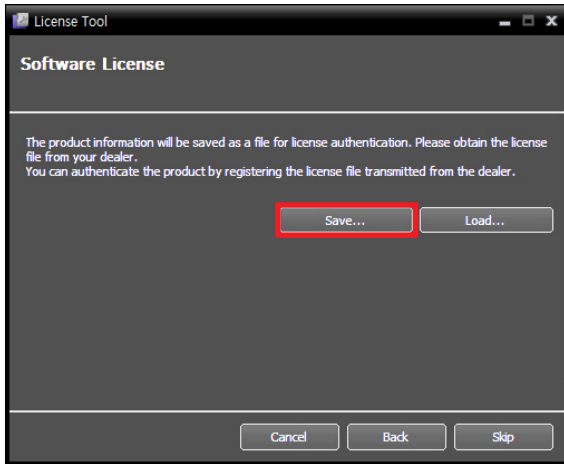
3 Enter the product serial number and click Next. The serial number is either attached to the product box or enclosed in the product box. If you cannot find the product serial number, please contact your dealer.



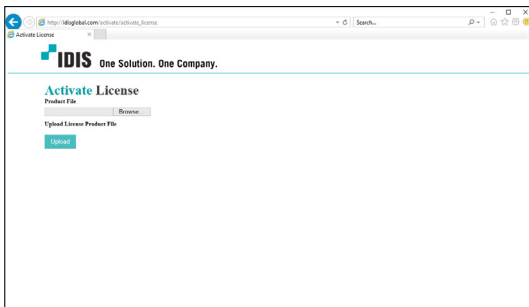
4 Authenticate the product according to the selected authentication mode.



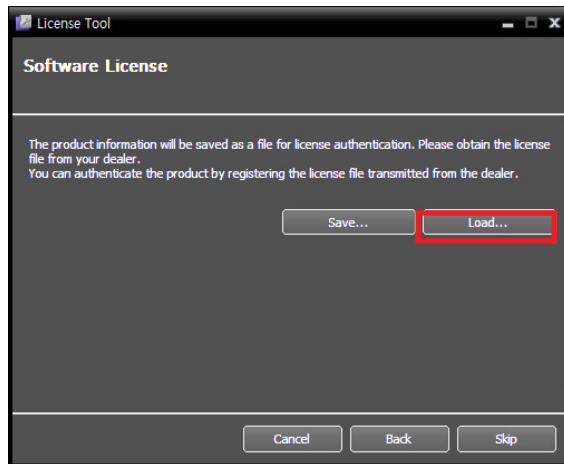
- Online authentication requests license authentication from the remote authentication server through a network connection.



- Offline authentication is available by registering the license file transmitted from the dealer in the exchange for the product information file. Go to the Webpage (http://www.idisglobal.com/activate/activate_license) and activate the License file.



Then, load the license file on server.



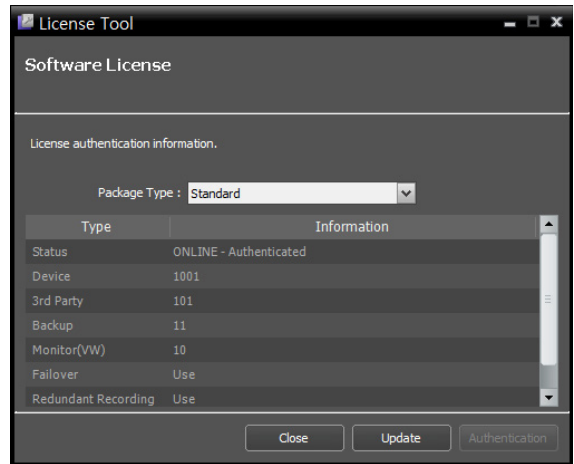
- 5 Current license information is displayed after the authentication is completed.



- Restart to apply the license, after the product authentication is completed.

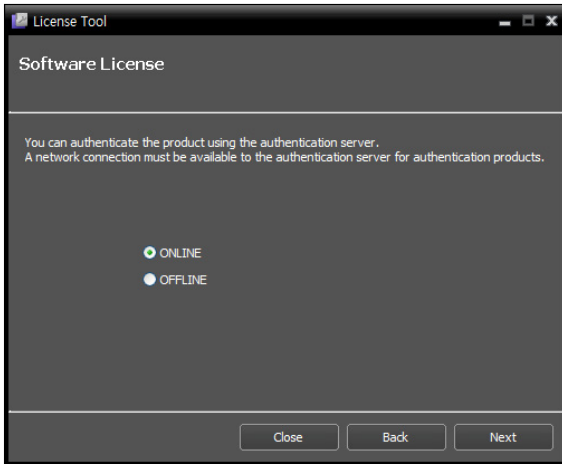
Software License Update

- 1 Go to the **Start** menu > Click **IDIS Solution Suite** > Run the **License Tool** program to display the installed IDIS Solution Suite software package. Select a package to update the software license and click **Update**.



- Package Type: Displays the installed IDIS Solution Suite software package.

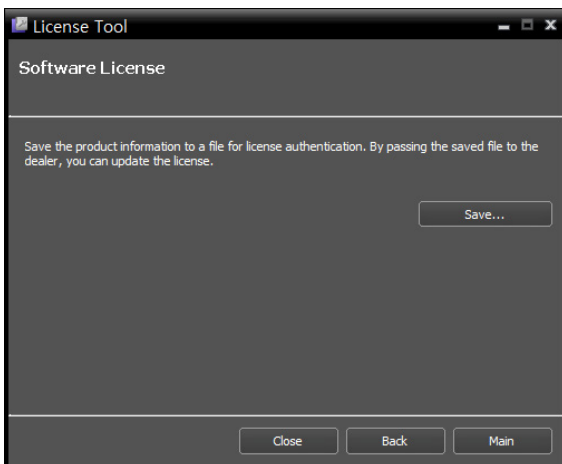
- 2 Select a software license authentication mode and click **Next**.



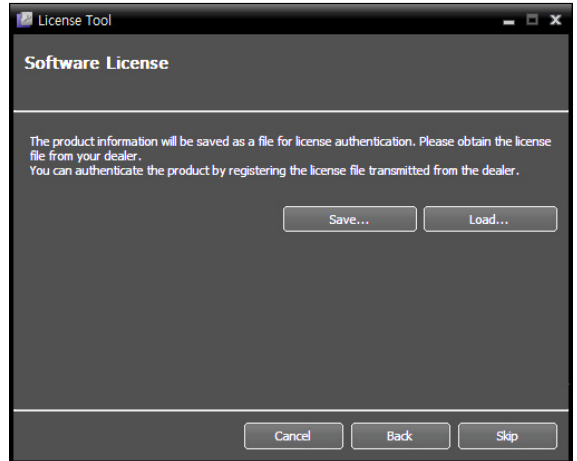
- Online: Online authentication requests license authentication from the remote authentication server through a network connection.
- Offline: Offline authentication is available by registering the license file transmitted from the dealer. Ask your dealer or distributor for details about it.

- If the authentication mode is changed, it is required to get the product authentication again through the changed mode.

- 3 Update the license according to the selected authentication mode.



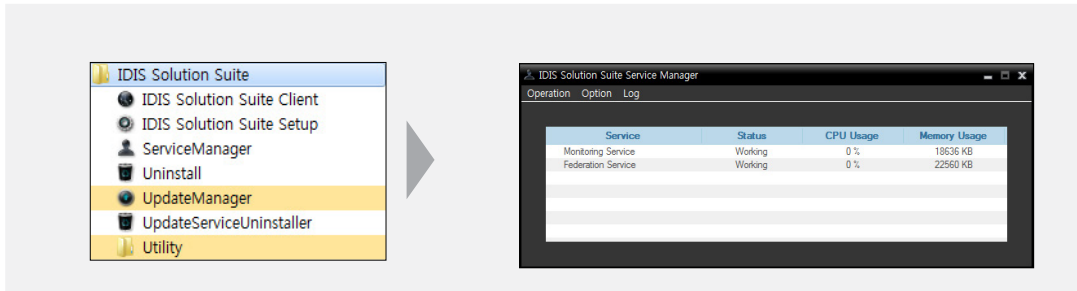
- Online authentication updates the license by transmitting the product information file to the dealer.



- Offline authentication updates the license by registering the license file transmitted from the dealer in the exchange for the product information file.
- 4 Current license information is displayed after the authentication is completed.

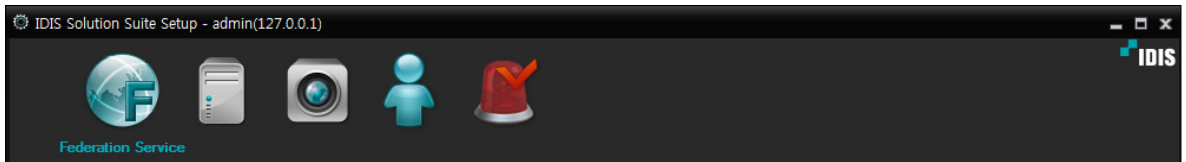
Service Manager

Services should be running on the system to operate the IDIS Solution Suite program. Go to the **Start** menu > Click **IDIS Solution Suite** > Run the **Service Manager** program.



Setup

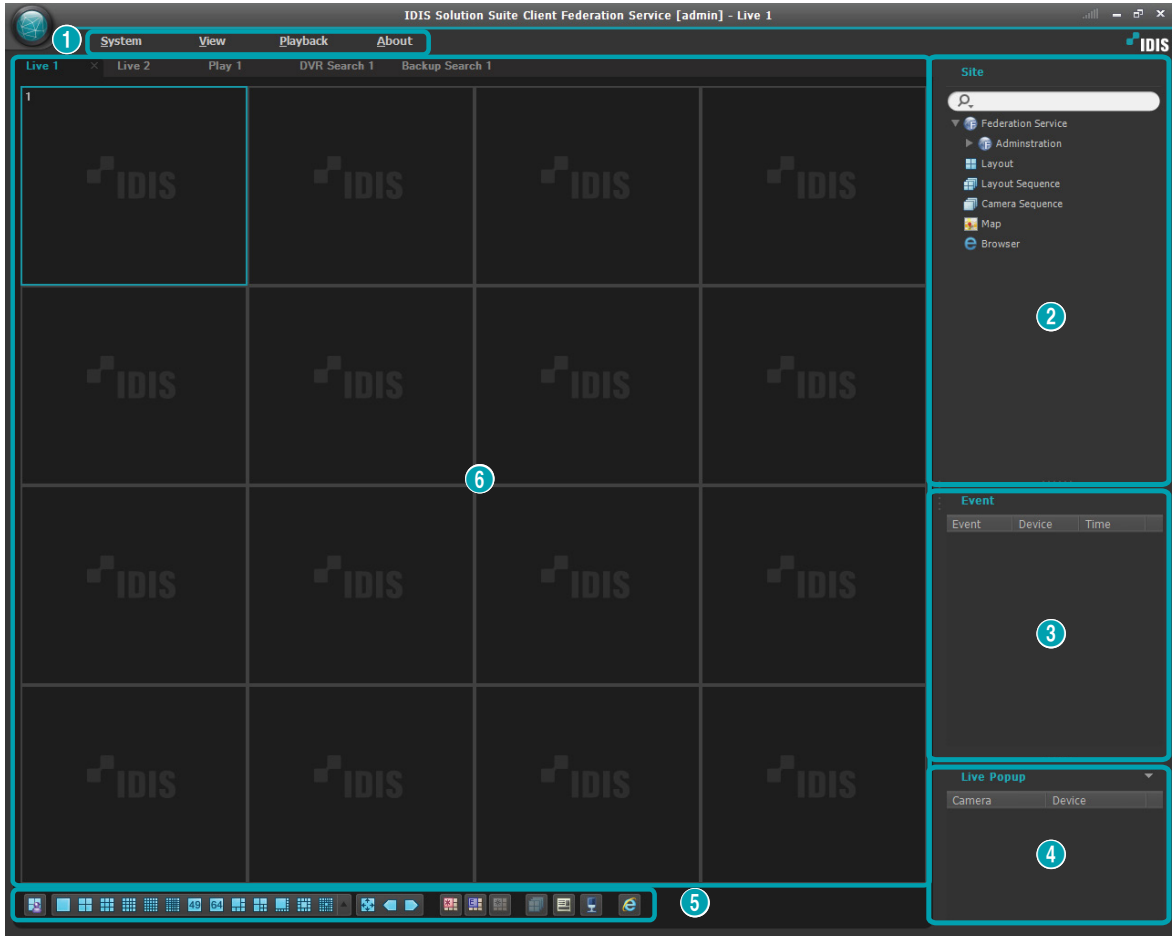
Go to the Start Menu → Click IDIS Solution Suite → Run the IDIS Solution Suite Setup program and enter login information. Refer to **Log In (22 page)** for details about the login.



- **Federation Service:** Allows you to register and manage administration services.
- **Service:** If any IDIS Solution Suite Monitoring service, Backup service or Video Wall service is running, it allows you to register and manage the monitoring services, backup services and video wall services. Ask your dealer or distributor about purchasing the IDIS Solution Suite Backup and Video Wall software and details about it.
- **Device:** Allows you to register and manage sites that consist of devices registered on the administration services.
- **User:** Allows you to register and manage users or user groups.
- **Event Management:** Allows you to set up event management schedules. This will not be available when **Event Schedule** is set to **Not Use** in the ⚙️ (System Setup) → **Event** menu.
- ⚙️ (System Setup): Sets up the federation server. Refer to **Service Manager (34 page)** for details.

Client

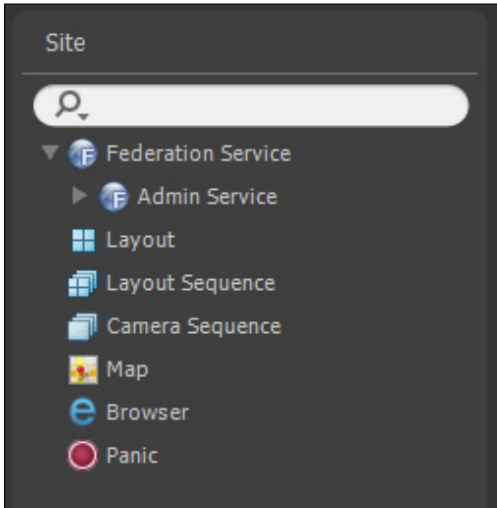
Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Client** program and enter login information. Refer to **Log In (22 page)** for details about the login.



①	Menu	Allows you to control the Client program.
②	Site List	Allows you to connect to the registered site by using the mouse drag and drop.
③	Instant Event List	Displays monitoring events from devices registered on the administration services. Event related functions may not be supported depending on the protocol that the device uses and the device model (supported protocols: IDIS Solution Suite protocol, some versions of the Axis, Panasonic WV (DG), Protocol-H, IQinVision, Sony, CoahuD, ONVIFTM Conformance protocols). Ask your dealer or distributor for details.
④	Live Popup List	Displays the list of live popup screens currently displayed on the monitor.
⑤	Panel Toolbar/ Timetable	Displays the toolbar or timetable depending on the panel.
⑥	Panel	Allows you to select which panel to use.

Site List

Displays the list of registered sites that are registered on the administration or federation service.



- **Federation Service:** Displays the list of administration services registered on the federation service. Clicking an administration service displays the list of sites registered on the administration service.
- **Layout:** Displays the list of registered layouts registered on the federation service. Clicking a layout in the list, and dragging and dropping it on the screen starts layout monitoring or playback.
- **Layout Sequence:** Displays the list of registered layout sequences registered on the federation service. Clicking a layout sequence in the list, and dragging and dropping it on the screen starts layout sequence monitoring.
- **Camera Sequence:** Displays the list of registered camera sequences registered on the federation service. Clicking a camera sequence in the list, and dragging and dropping it in the desired location on the screen starts camera sequence monitoring.
- **Map:** Displays the list of registered maps. Clicking a map in the list and dragging and dropping it in the desired location on the screen starts map monitoring.
- **Browser:** Displays the list of registered browsers. Clicking a browser in the list, and dragging and dropping it in the desired location on the screen launches the web browser.
- **Panic:** Displays the list of devices if a device that has panic recordings.

Part 5 - Video Wall Service

The video wall service allows you to control monitoring on multiple monitors with network keyboards for centralized monitoring in a surveillance center.

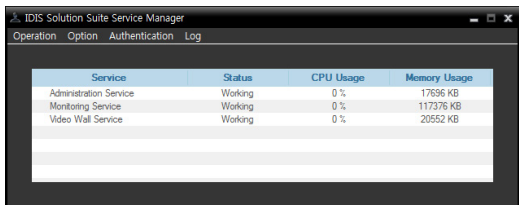
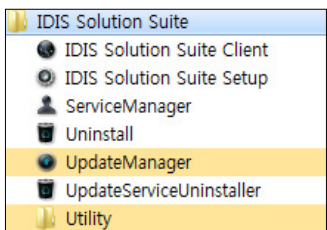
If the video wall service is registered on a federation service, the IDIS Solution Suite system allows you to control monitoring for devices registered on the all administration services that are registered on the federation service.

Number of video wall services, video wall agent systems and monitors are as follows:

- Video Wall Service Registration: Maximum of four per federation service
 - Video Wall Agent System Registration: Maximum of 64 per video wall service depending on the type and number of the licenses. Ask your dealer or distributor about the number of video wall agent system that can be registered using your IDIS Solution Suite software.
 - Monitor Registration: Maximum of 6 per video wall agent system
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).
- The software included in this product contains some Open Sources. You may obtain the complete corresponding source code from us. See the Open Source Guide on the software CD (**OpenSourceGuide\OpenSourceGuide.pdf**) or as a printed document included along with this document.

Running Services

When the services are installed, the services run automatically. You can also start or stop running the services manually. Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **Service Manager** program.



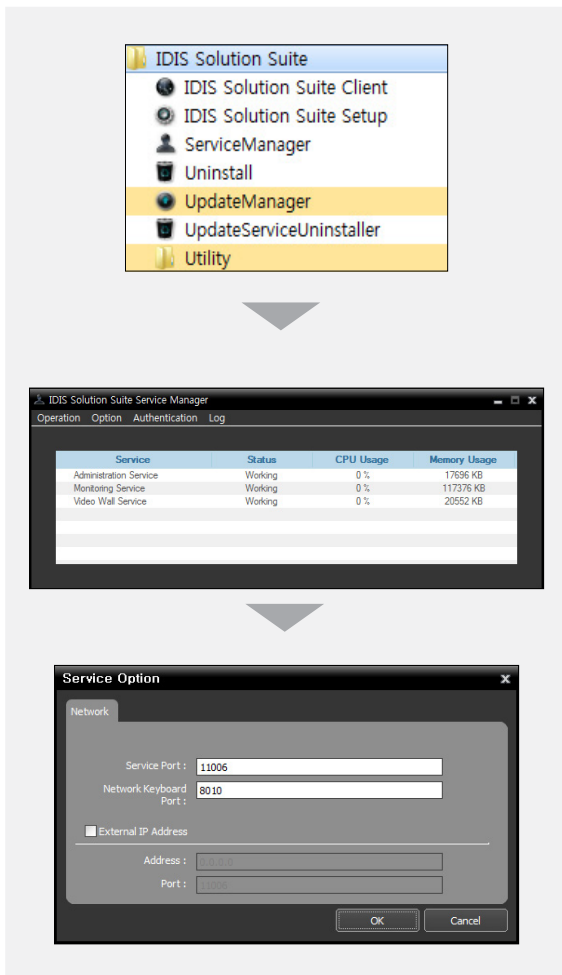
Check the status of services. If any of the services are not listed as **Working** under **Status**, start the services manually. Refer to IDIS Solution Suite Standard User’s Manual for details about the **Service Manager** program.

Registering Video Wall Service

You must register video wall services (max. 8) on the administration or federation service. If the IP address and port number of the federation server is entered correctly during the installation, the service is registered on the federation service automatically. Registering the video wall service on the federation service allows you to control monitoring for devices registered on the all administration services that are registered on the federation service.

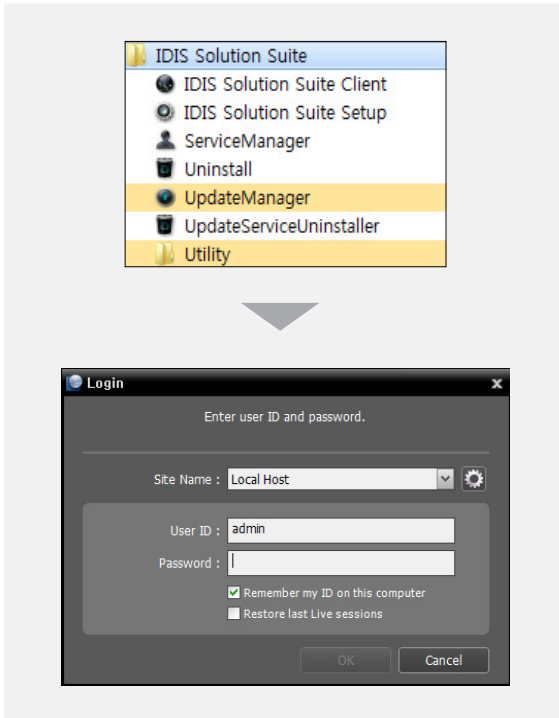
The video wall service should be connected to the federation service via the network connection, on which the video wall service is registered. Go to the **Start Menu** and click IDIS Solution Suite. Run the **Service Manager** program and click the **Option – Service Option** menu.

- **Service Port:** Enter the port number for connection to the service.
- **Network Keyboard Port:** Enter the port number for connection to the video wall service from a network keyboard. The port number will be used when you control the Agent system with the network keyboard.
- **External IP Address:** Enter the external IP address and port number for connection to the service from an external network

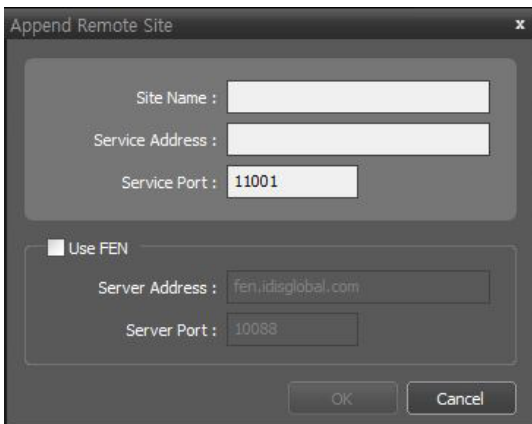


Registering on Federation Service

- 1 Go to the **Start Menu** → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Setup** program and enter login information.

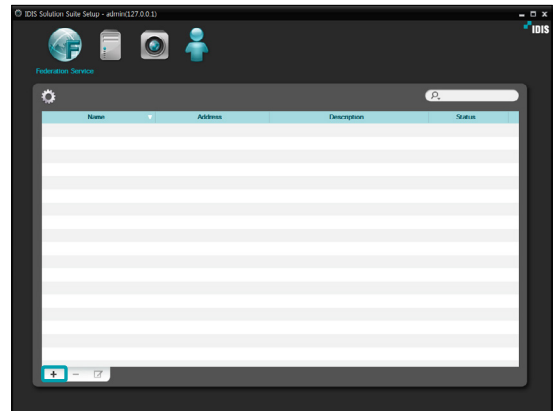


- **Site Name:** Select the federation service to connect to from the list. You can add other federation services to the list or modify information about the federation service in the list by clicking the button at the right.

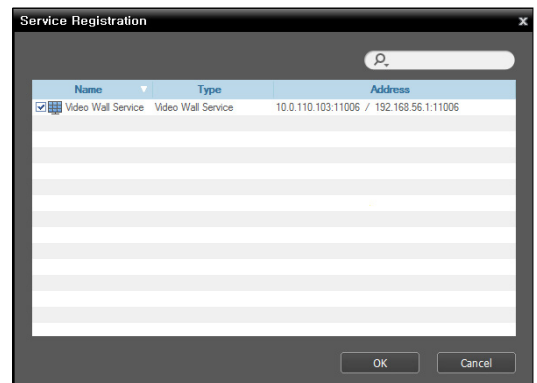


- **Site Name, Service Address, Service Port:** Designate the name of the federation service and enter the IP address and port number of the federation server to which the video wall service is connected (default: 11001).
- **User ID, Password:** Enter your user ID and password. The default user ID is **admin** and default password is **12345678**. You can change the user ID and password in the User menu. Refer to IDIS Solution Suite Standard User's Manual for details.
- **Remember my ID on this computer:** Check the box if you want to save your ID for logging on.

- 2 Select the **Service** menu, and then register a video wall service on the administration service following the procedures below.



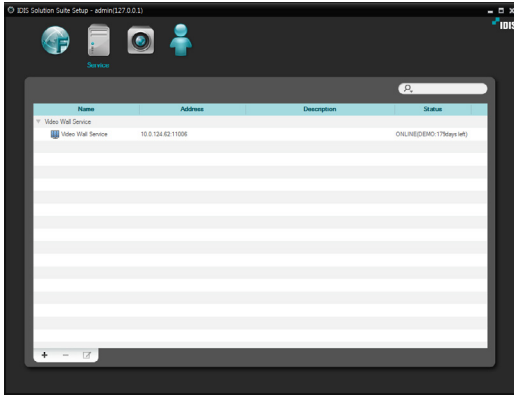
- 3 Click the **Video Wall Service**, and then the **+** button at the bottom. The **Service Registration** window appears.



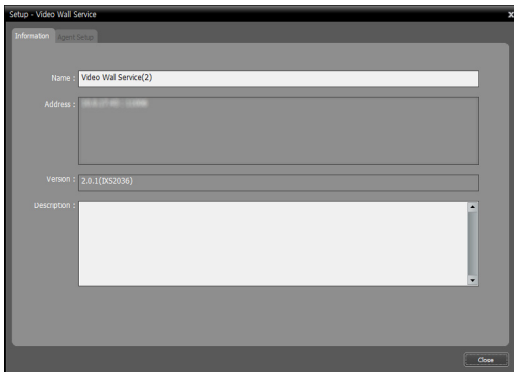
- **Name:** Displays services that are currently connected to the federation service via the network.

- **Type:** Displays the service type.
- **Address:** Display the IP address and port number of each server.

4 Select a video wall services to register on the federation service and click the **OK** button.



5 Select a video wall service and click the button at the bottom. The **Setup - Video Wall Service** window appears. Select the **Information** tab.



6 Enter the video wall service's name and click the **Close** button.

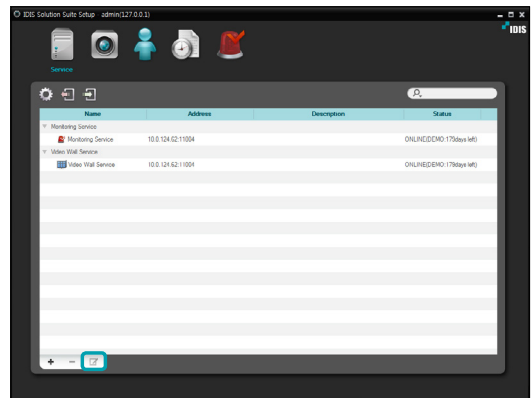
Registering Video Wall Agent System


You can control monitoring on multiple monitors with network keyboards.

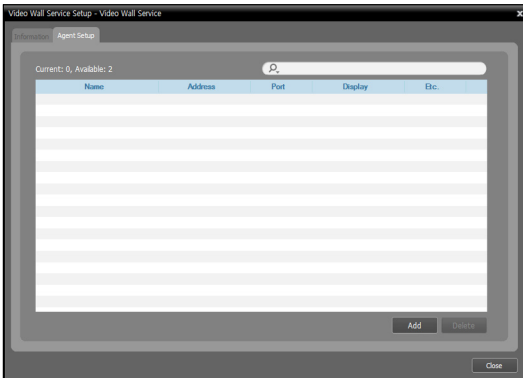
- If User Account Control is turned on in the Agent system, the Video Wall Agent program may not work. In this case, turn User Account Control off (**Start** menu → **Control Panel** → **User Accounts and Family Safety** → **User Accounts** → **Turn User Account Control off**) and run the Video Wall Agent program.

Registering Agent System

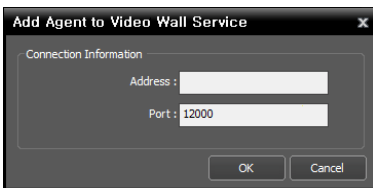
1 Go to the **Start** menu > Click **IDIS Solution Suite** > Run the **IDIS Solution Suite Setup** program and enter login information.



- Select a video wall service and click the  button at the bottom in the Service menu. The **Setup – Video Wall Service** window appears. Select the **Agent Setup** tab.

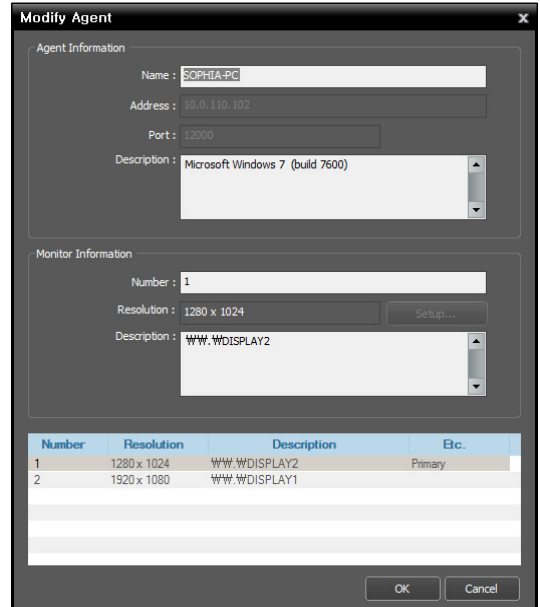


- Click the **Add** button at the bottom. The **Add Agent to Video Wall Service** window appears.



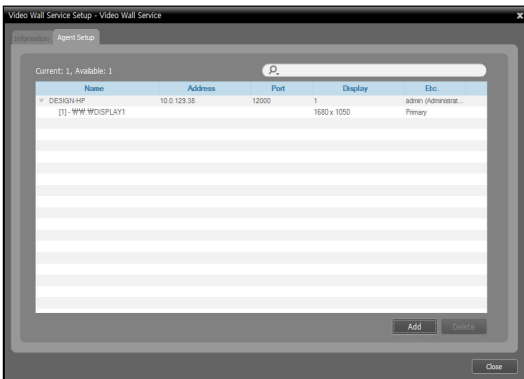
- Address, Port: Enter the IP address and port number of the Agent system.


- Click the **OK** button. The **Modify Agent** window appears.

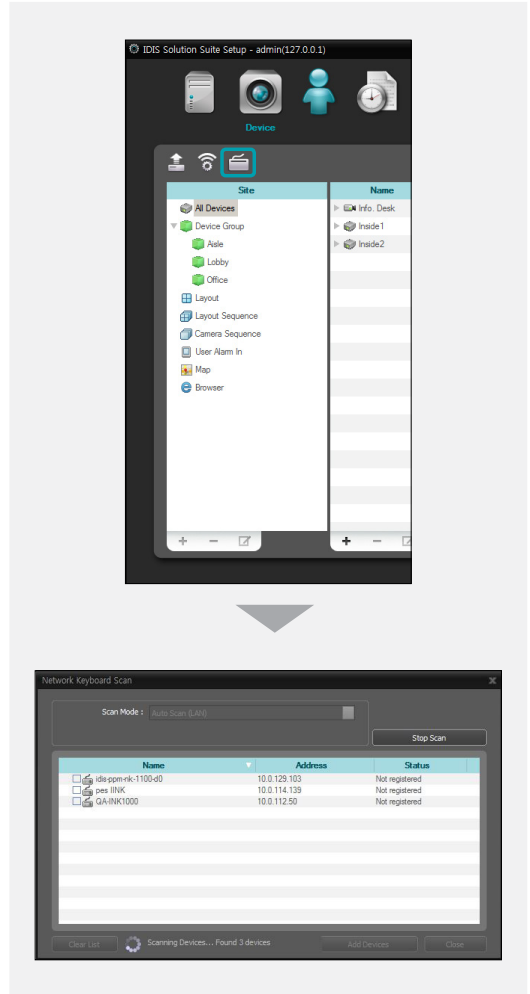


- Name:** Allows you to change the Agent system name.
- Address, Port:** Displays the IP address and port number of the Agent system.
- Description:** Displays the Operating System information of the Agent system.

- **User:** The list of users registered on the federation service is displayed. Select a user of the Agent system to be registered. The Agent program will automatically run logging on as the selected user. Each user may have different authority for each device and function depending on the settings at the **IDIS Solution Suite Setup** program → **User** menu. You can change the authority or password of each user at the **User** menu.
 - **Number:** Displays ID of each monitor connected to the Agent system. The ID is used to distinguish the monitor from other monitors when controlling the Agent system with a network keyboard, so each must have a unique ID.
 - **Resolution:** Displays the resolution of each monitor connected to the Agent system.
 - **Description:** Displays information of each monitor connected to the Agent system.
- 5 Click the **OK** button. A list of registered Agent system is displayed.



- 6 Register the network keyboard on the federation service: Select the **Device** menu → Click  (Network Keyboard Setup) button, and the **Network Keyboard Scan** window appears. The way to register a network keyboard is identical to the way to register a device.

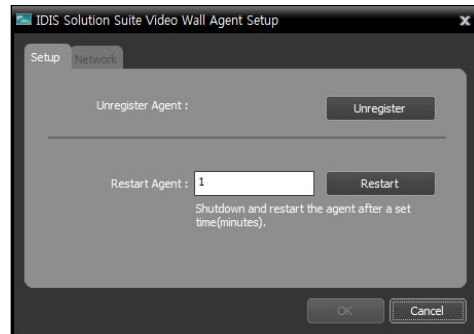
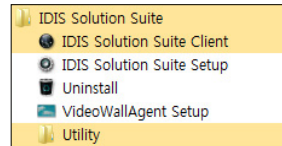


- 7 Register the video wall service on the network keyboard. Refer to the network keyboard's user manual for details.

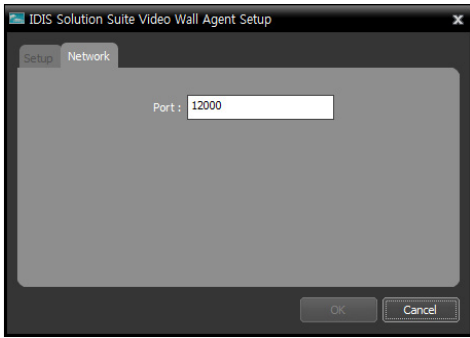
- **ID** (video wall service ID): The network keyboard assigns the ID automatically when the video wall service is registered, and you can change the ID. The ID is used to distinguish the video wall service from other video wall service when connecting to the video wall service with a network keyboard, so each must have a unique ID.
- **Name:** Set up a video wall service name for your reference.
- **IP Address:** Enter the video wall server's IP address. Do not check **Use FEN**.
- **Control Port:** Enter the Network Keyboard Port number set in the video wall service (Check the Network Keyboard Port number in the Service Manager program → **Option** menu → **Service Option** setting).
- **User ID, Password:** Enter the user ID and password for the connection to the video wall service. Check the user ID and password in the **IDIS Solution Suite Setup** program → **Service** menu → video wall service → button → **User Setup tab**.

Setting up Video Wall Agent Setup

Go to the **Start Menu** → Click **IDIS Solution Suite** → Click **VideoWallAgent Setup**.



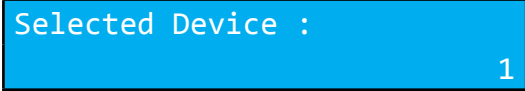
- **Unregister Agent:** If the Agent system is not removed from a video wall service and all data is deleted while the IDIS Solution Suite software is uninstalled, the Agent system cannot be registered again. In this case, clicking the **Unregister** button allows you to register the Agent system.
- **Restart Agent:** The Agent program runs automatically when the Agent program is registered on the video wall service, and the Agent program keeps running as long as the Agent system is operating. If you want to stop running of the Agent program temporarily, enter the duration and click the **Restart** button. The Agent program stops running and restarts after the entered length of time has expired.



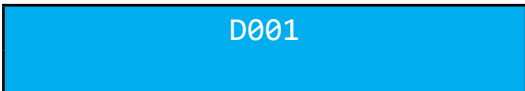
- **Port:** Allows you to change the port number for the connection to the Agent system.

Connecting to Agent System

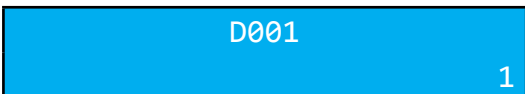
- 1 Press on the network keyboard the video wall service ID on which the Agent system is registered.



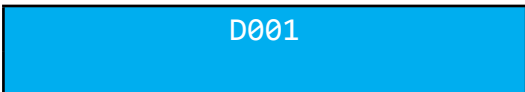
- 2 Press the **[DEV]** button.



- 3 Pressing the monitor ID.



- 4 Pressing the **[MON]** button.

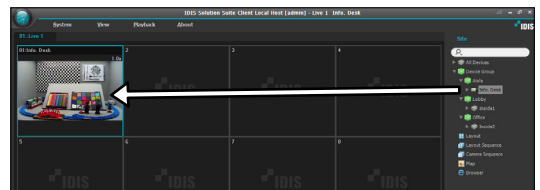


Monitoring Video and Playing Back Recorded Video



- 1 Press on the network keyboard the F2 button. A list of panels appears → Click **Live** or **Play/DVR Search** by using the mouse connected to the network keyboard.

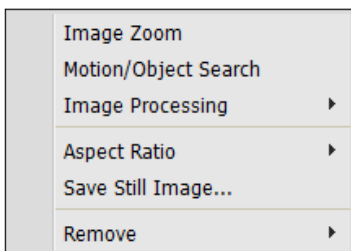
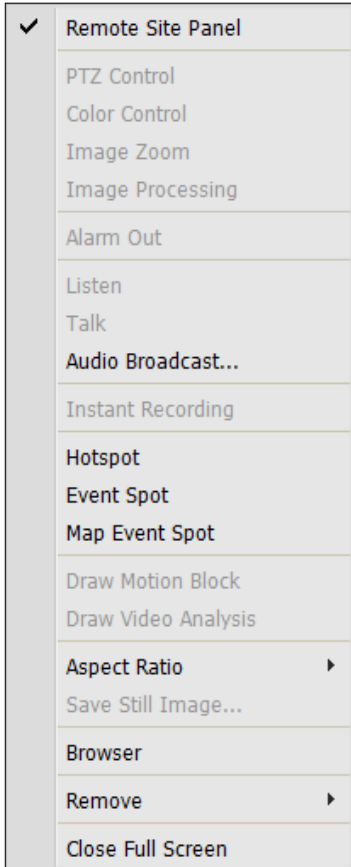


- 2 Press on the network keyboard the F4 button. A site list is displayed in the current Live or Play/DVR Search panel → Select a site to connect to from the site list, and drag and drop it on the Live or Play/DVR Search screen by using the mouse connected to the network keyboard. Live or recorded video from the selected site is displayed on the screen.



- 3 Press on the network keyboard the **[Menu]** button. The live or play screen menu is displayed.

- 4 Moving to the desired item by using arrow buttons and pressing the enter button () selects the item in the menu or releases the selection. If you want to exit the current item setting, press the  (Menu) button and releases the selection.



Part 6 – Backup Service

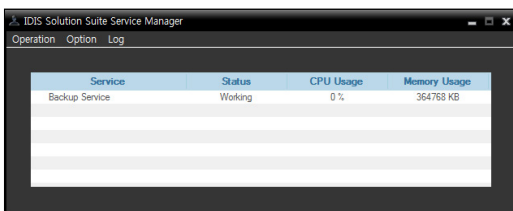
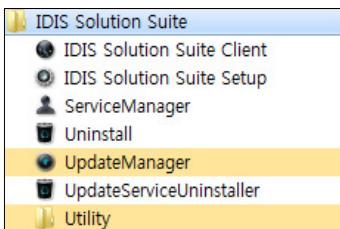
You can back up recorded video saved in the recording servers or DVRs.

First, check the following and run the Setup program.

- Services should be running on the system. Refer to the IDIS Solution Suite Standard User’s Manual for details.
- There should be recorded data in a recording server or DVR. Refer to the IDIS Solution Suite Standard User’s Manual for details about recording.
- The backup service should be registered on the federation service.

Running Services

When the services are installed, the services run automatically. You can also start or stop running the services manually. Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **Service Manager** program.

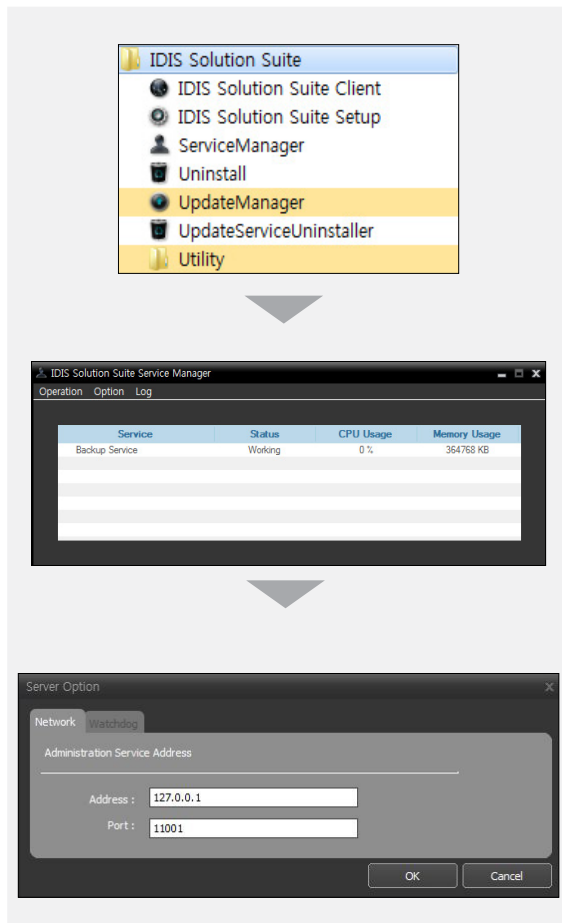


Check the status of services. If any of the services are not listed as **Working** under **Status**, start the services manually. Refer to IDIS Solution Suite Standard User’s Manual for details about the **Service Manager** program.

Registering Backup Service

You must register backup services (max. 64) on the administration or federation service. If the IP address and port number of the federation server is entered correctly during the installation, the service is registered on the federation service automatically. Registering the backup service on the federation service allows you to back up video saved in recording servers and DVRs registered on all administration services that are registered on the federation service.

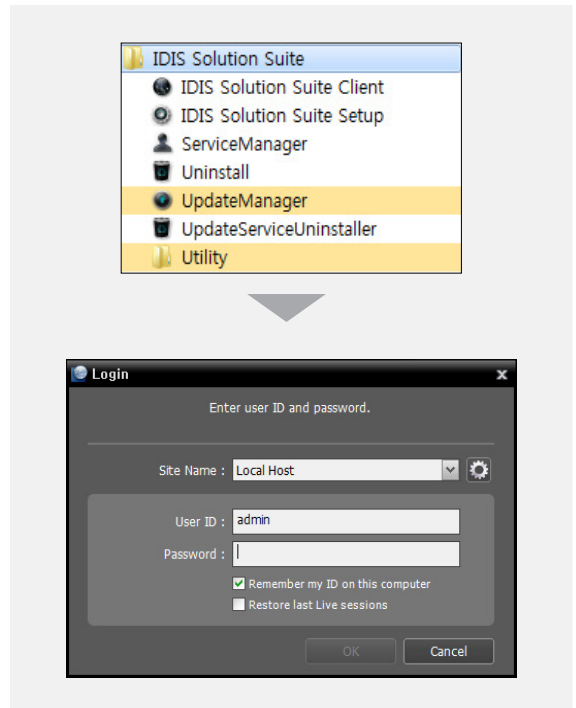
The backup service should be connected to the federation service via the network connection, on which the backup service is registered. Go to the **Start Menu** and click **IDIS Solution Suite**. Run the **Service Manager** program and click the **Option** → **Server Option** menu.




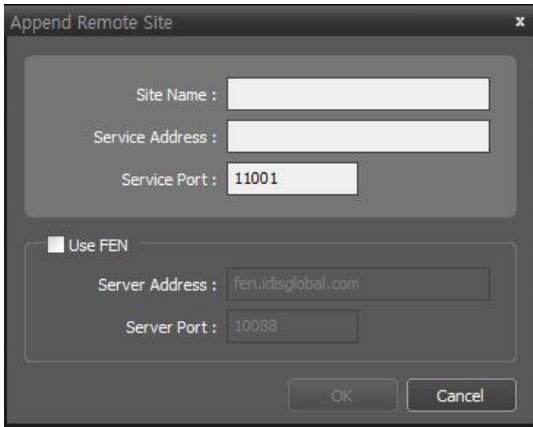
- **Address, Port:** Set up the IP address and port number of the federation server for connection to the federation service.

Registering on Federation Service

- 1 Go to the **Start Menu** → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Setup** program and enter login information.

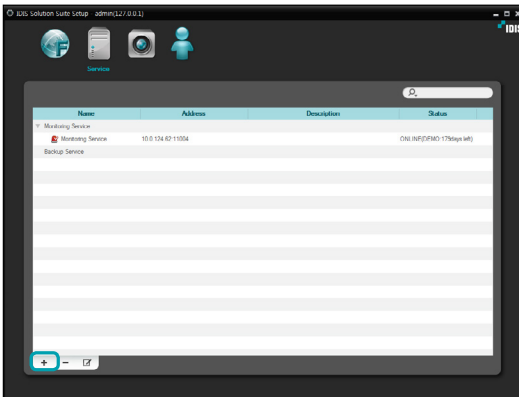


- **Site Name:** Select the federation service to connect to from the list. You can add other federation services to the list or modify information about the federation service in the list by clicking the  button at the right.

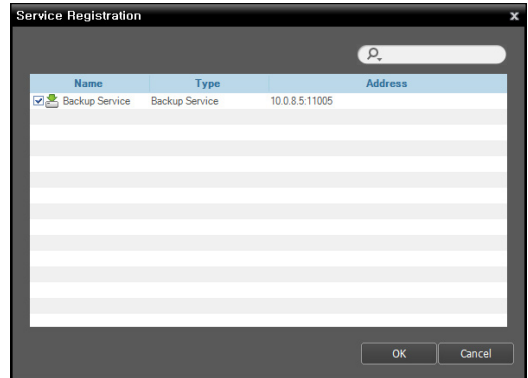


- **Site Name, Service Address, Service Port:** Designate the name of the federation service and enter the IP address and port number of the federation server to which the backup service is connected (default: 11001).
- **User ID, Password:** Enter your user ID and password. The default user ID is **admin** and default password is **12345678**. You can change the user ID and password in the User menu. Refer to IDIS Solution Suite Standard User's Manual for details.
- **Remember my ID on this computer:** Check the box if you want to save your ID for logging on.

2 Select the **Service** menu




3 Click the **Backup Service**, and the **+** button at the bottom. The **Service Registration** window appears.

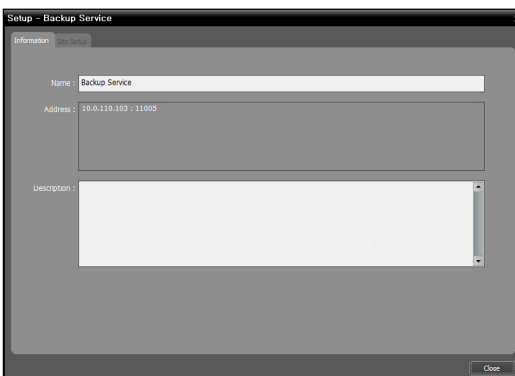
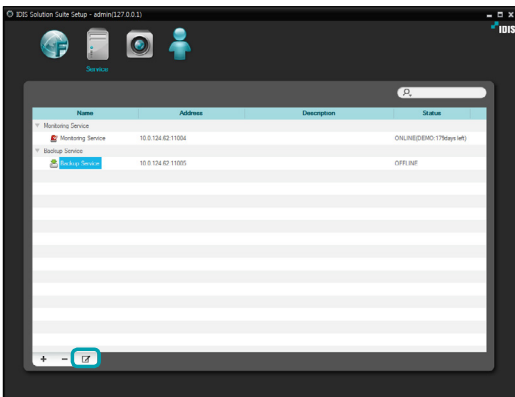


- **Name:** Displays backup services that are currently connected to the federation service via the network.
- **Type:** Displays the service type.
- **Address:** Display the IP address and port number of backup server.

Only the services of which the administration server information (**Service Manager** → **Option** → **Server Option**) matches the currently connected administration server are available.

4 Select backup services to register on the administration service and click the **OK** button.

- 5 Select a backup service and click the  button at the bottom. The **Setup – Backup Service** window appears. Select the **Information** tab.

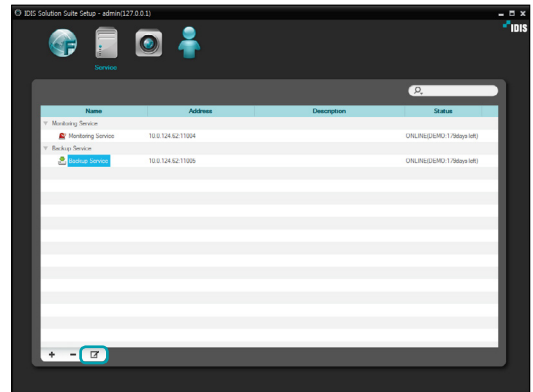



- 6 Enter the backup service's name and click the **Close** button.

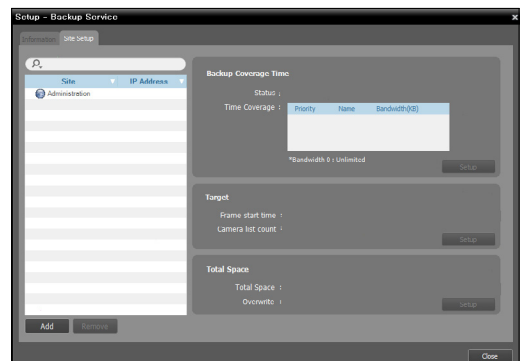
Adding Backup Sites

Adding to Federation Service

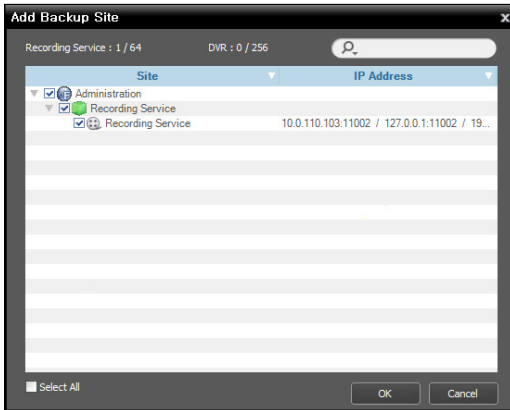
- 1 Go to the **Start** menu > Click **IDIS Solution Suite** > Run the **IDIS Solution Suite Setup** program and enter login information.



- 2 Select a backup service and click the  button at the bottom in the Service menu. The **Setup – Backup Service** window appears. Select the **Site Setup** tab.



- Click the **Add** button at the bottom. The **Add Backup Site** window appears, and a list of available recording services and DVRs is displayed.

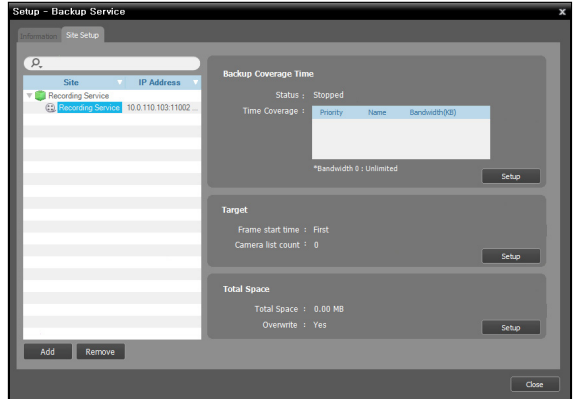


- Site:** Displays recording services and DVRs that are currently connected to the federation service via the network.

Only the services of which the administration server information (**Service Manager** → **Option** → **Server Option**) matches the currently connected administration server are available.

- Select recording services and DVRs to back up and click the **OK** button.
- Set up a backup schedule and allocate storage.

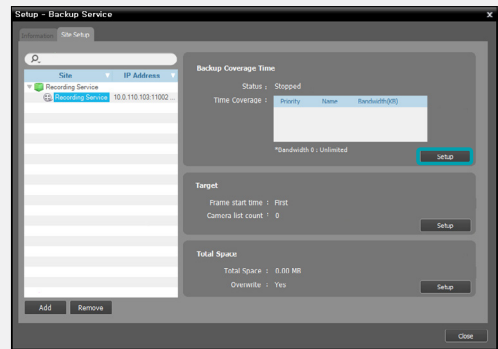
Setting up Backup Schedule

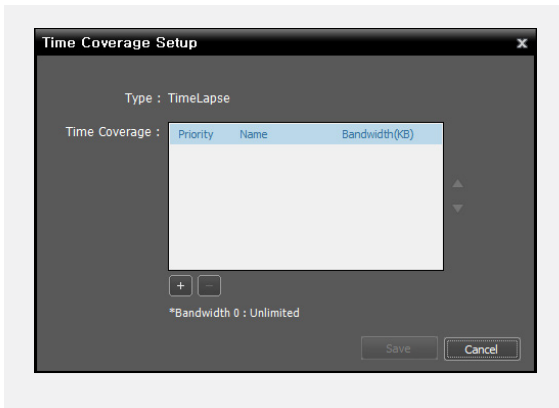


Select a recording service or DVR from the Site list after adding backup sites. You must set up a backup schedule separately for each recording service and DVR.

Backup Coverage Time

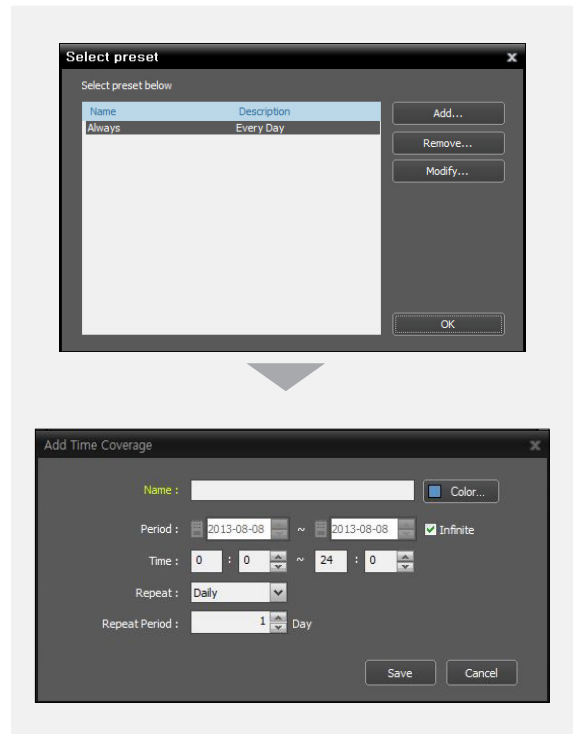
Click the **Backup Coverage Time – Setup** button and add a backup period Preset by clicking the **+** button





- **Priority:** Displays the priority of backup period Preset. You can change the priority by using the ▲ or ▼ button.
- **Name:** Displays the name of backup period Preset.
- **Bandwidth:** Sets up the maximum bandwidth. You can control the network bandwidth by limiting the network bandwidth depending on the network traffic. The proper bandwidth limit setting can minimize the decrease of recording speed when video is backed up while recording. However, if you limit the network bandwidth, backup speed might decrease.

You can add a new Preset or edit a saved Preset by clicking the **Add** or **Modify** button. Setting up the time span Preset for backup is identical to setting it up for recording. Refer to the IDIS Solution Suite Standard User's Manual for details.

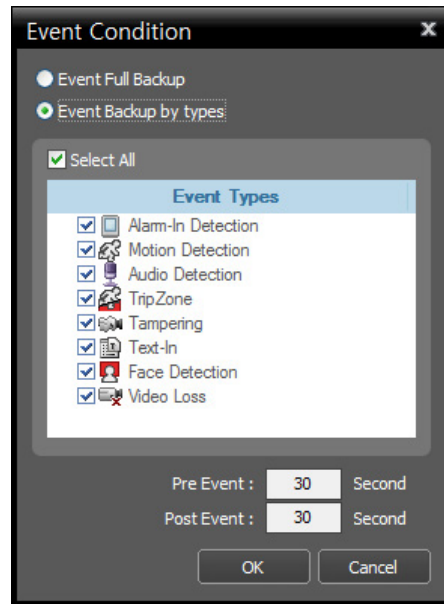


Target

Click the **Target – Setup** button and select cameras to back up video.



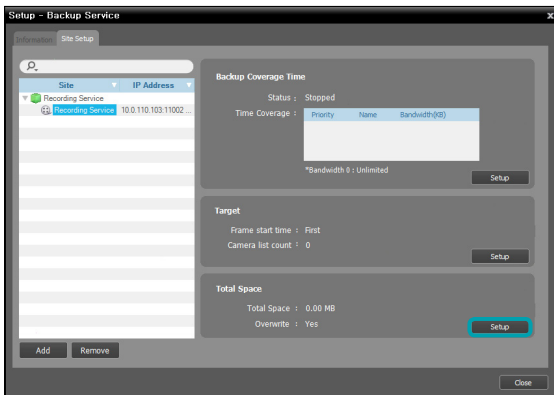
- **Frame start time:** Set up the time of the first frame of the recorded video to start backup, and click the Check button. You are required to select a segment if the administration server's time and date has been reset to a time that is earlier than previously recorded video and there is more than one video segment in the same time range. Selecting **First** starts backup from the first recorded video.
- **Summary Backup:** Backs up only key frames of recorded video. It allows backing up recorded data of longer period and makes the backup speed faster, but movements might not be smooth when playing back backed-up video. The key frame frequency is different depending on the encoding, and the higher the recording speed, the higher the frequency.



- **Event Backup:** Backs up event-based recorded video.
 - Event Full Backup: Backs up the entire event videos.
 - Event Backup by types: Backs up the selected events only. The pre/post of the event detect time is backed-up.
- **Select cameras below:** Displays a list of cameras that have recorded video, which can be backed-up.
- **Selected camera list:** Displays the list of cameras to be backed up.

Allocating Storage

- USB hard disks and network hard disks cannot be allocated storage.
- It is recommended to add a new unformatted hard disk drive to ensure stable recording. If you are setting up a hard disk drive which contains data, however, you are to delete partition(s) and the file system in advance after formatting. Refer to the PC/server's user manual or consult with the PC/server manufacturer for details about how to format or delete the partition(s) and file system.
- When removing a hard disk drive that contains recorded video from a recording server and installing it in another recording server, you cannot search or play back the video recorded on the original recording server.
- The total amount of storage for one hard disk drive cannot exceed 50,000 GB.



- 1 Click the **Total Space – Setup** button after adding backup sites and the **Storage Setup** window appears. Click the **Add** button at the bottom. The **Add Storage** window appears, and a list of available hard disk drives is displayed with information about each drive.



- **Drive:** Displays the drive name and volume label. If a file system has not been created on a hard disk drive, '**PHYSICALDRIVE No.**' will be displayed instead of the drive name and volume label. The IDIS Solution Suite program considers any hard disk drive that does not use Windows file system (FAT32, NTFS) as if no file system has been created.
- **Disk Type:** Displays the type of hard disk drive.
- **Capacity:** Displays the total storage capacity and available storage capacity.

- Select a hard disk drive to allocate storage and click the **Add** button at the bottom. The **Allocate Storage** window appears.



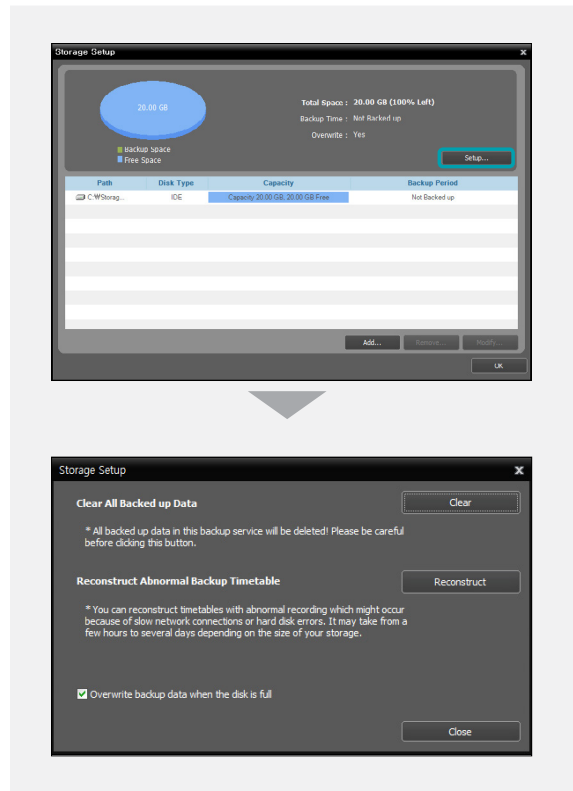
- **Path:** Displays the storage folder path.
- **Disk Type:** Displays the type of hard disk drive.
- **Free Space:** Displays the available storage capacity.
- **Storage Capacity:** Sets up the storage capacity to be allocated to the hard disk drive (Min. 20GB). If the Windows operating system is installed on the hard disk drive, you must reserve more than 10GB of free hard disk space for proper system operation. If no file system has been created on the hard disk drive, the recording server automatically creates a proprietary video database file system when storage is allocated to ensure more stable recording and allocates storage to the entire hard disk drive automatically.

Managing Storage

You can manage storage of all hard disk drives used in the current recording server or of a specific hard disk.

Storage of All Hard Disk Drives

Click the **Setup** button. The Storage Setup window appears.



- **Clear All Backed up Data:** Deletes all recorded data on all hard disk drives used in the current recording server.
- **Reconstruct Abnormal Backup Timetable:** When the network connection between the recording server and the devices is too slow or a hard disk drive in the recording server is damaged, the recorded data and the timetable information of the recorded data might not match and the timetable in the Client program might display incorrect information. In this situation, clicking the button reconstructs the timetable to display recorded data correctly on the timetable in the Client program.
- **Overwrite backup data when the disk is full:** Checking the box records over the oldest video data once all available storage space has been used.

Storage of a Specific Hard Disk Drive

Click the storage to edit in the storage list, and then the **Modify** button at the bottom. The **Edit Storage** window appears.



- **Resize Storage:** Allows you to increase the storage capacity.
- **Clear Storage:** Allows you to delete all data recorded in the selected storage.

Search or playback of backed-up data will be stopped when storage is resized or cleared.

Clearing storage deletes all data backed-up in the storage and the deleted data cannot be restored.

Backed-up Video Playback & Exportation

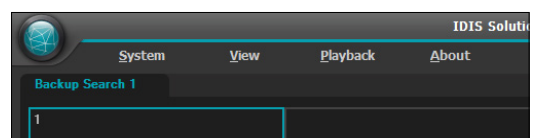
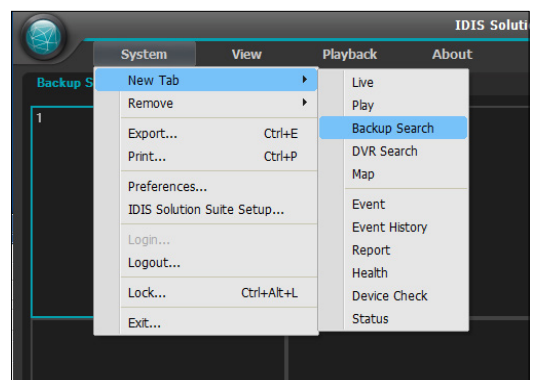
You can play back backed-up video or export backed-up video to USB devices.

First, check the following and run the Client program.

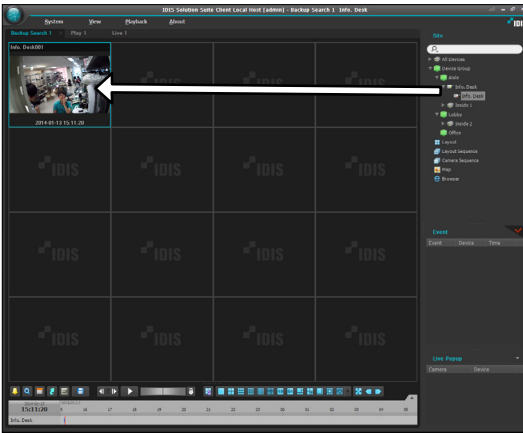
- Services should be running on the system.
- Devices should be added to a device group.
- There should be backed-up data in the backup server.

Playing back Backed-up Video

- 1 Search and playback of backed-up video in a backup server are supported in the Backup Search panel (maximum 4). If the Backup Search tab is not on the tab panel, go to the **System** menu, click **New Tab** and then **Backup Search**



- 1 Click the Backup Search tab on the tab panel → Select a device or a camera to connect to from the **Site** list and drag and drop it on the Backup Search screen. Backed-up video from the selected device or a camera is displayed on the screen. You can move a camera screen to the desired location on the Backup Search screen without stopping the current playback while playing back video. Select a camera screen and drag and drop it on the desired location.



If a layout is registered on the administration service, you can play video in the layout format by selecting a desired layout from the **Layout** list and dragging and dropping it on the Backup Search screen.

- The Client system performance might seriously deteriorate when simultaneously monitoring or playing back video with 1280x720 or higher resolution on more than one camera screen.

- 2 A panel toolbar, a timetable, a control toolbar and a screen menu are provided for playing back backed-up video. The way to play back backed-up video is identical to the way to play back recorded video.

Exporting Backed-up Video

You can export recorded video to USB devices. Exporting backed-up video is identical to exporting recorded video.

Part 7 - Failover Service

This document describes installation and operation of IDIS Solution Suite Failover software (monitoring failover, video wall failover, and federation failover), which is designed to be used with IDIS Solution Suite Standard software.

The failover service enhances system stability using a failover function. The failover services replace the monitoring, video wall, or federation service if any problems occur in the service. You can register as many failover services as the number of monitoring, video wall, and federation services.



- The failover service license expires after 90 days (video wall, and federation failover services only). If the license expires, uninstall the failover service from the failover server and install the video wall service on the failover server.
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).
- The software included in this product contains some Open Sources. You may obtain the complete corresponding source code from us. See the Open Source Guide on the software CD (OpenSourceGuide\OpenSourceGuide.pdf) or as a printed document included along with this document.

Installation



Disable your PC's Windows power saving function: **Start** menu → **Power Options** → set both **Turn off the display** and **Put the computer to sleep** to **Never** (**Power Options** → **Power Schemes** tab → set both **Turn off monitor** and **Turn off hard disks** to **Never** when using the Microsoft® Windows® XP operating system).



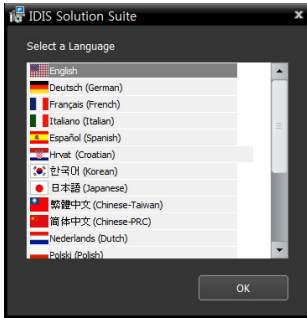
If an older version of IDIS Solution Suite software is installed on your computer, a screen appears asking you to upgrade the software. In this case, you are required to upgrade the software according to the instructions in the screen.

- 1 Insert the software CD in the failover server.
- 2 Run the **setupFED.exe** file in the **Setup** folder of the software CD.



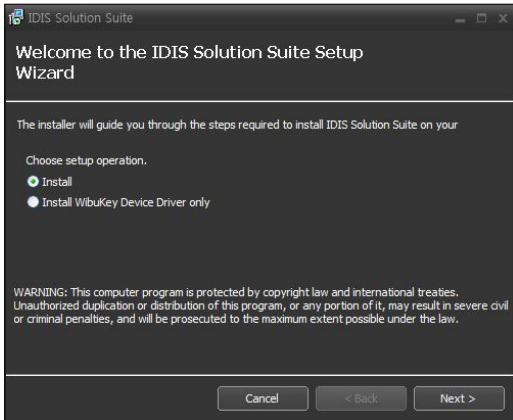
The **User Account Control** window might appear when using the Microsoft® Windows® Vista or later operating system. Click **Allow** and install the software following the instructions.

3 Select the language in which to run the program and then click **OK**.

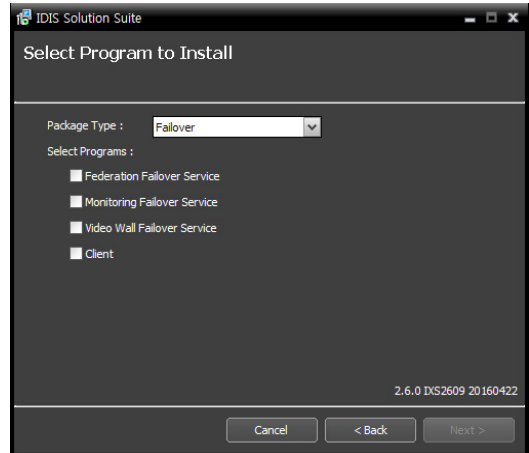


- ✓ To properly display the selected language, your PC's operating system should be set to support the selected language.
- To change the IDIS Solution Suite program's language after the software has been installed, select **Language Selector** in the **IDIS Solution Suite** → **Utility** folder of the **Start** menu before running the **IDIS Solution Suite** program.

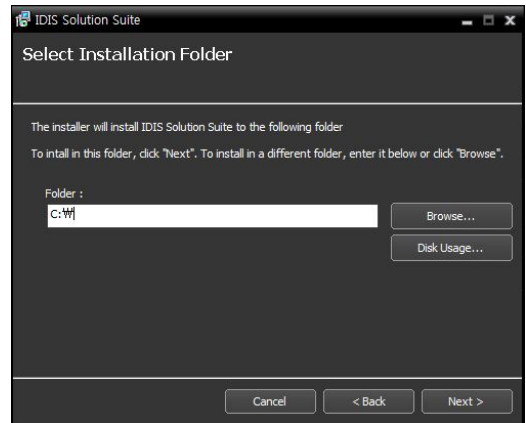
4 When the following screen appears, select **Install** and click **Next**.



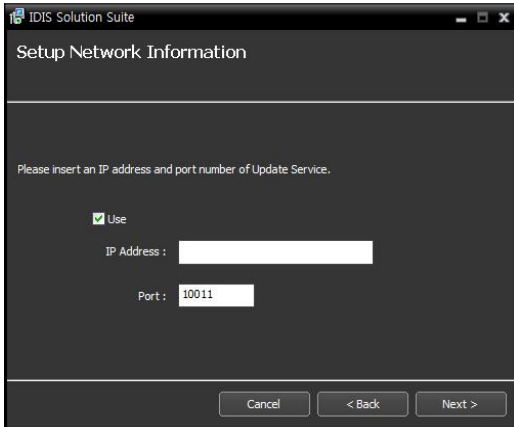
5 Select the services to install and click **Next**.



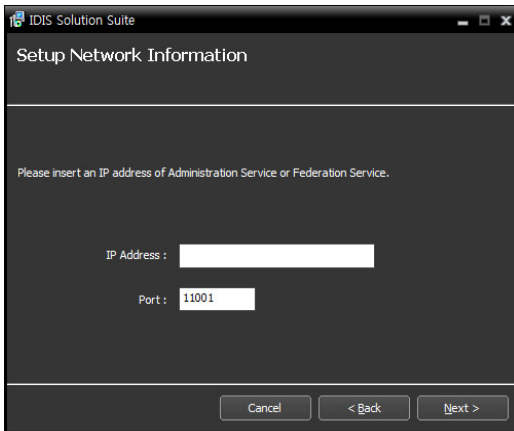
6 Designate the folder path to install the services. Clicking the **Disk Usage...** button shows the available and required disk space for each hard disk drive for the installation. Then click **Next**.



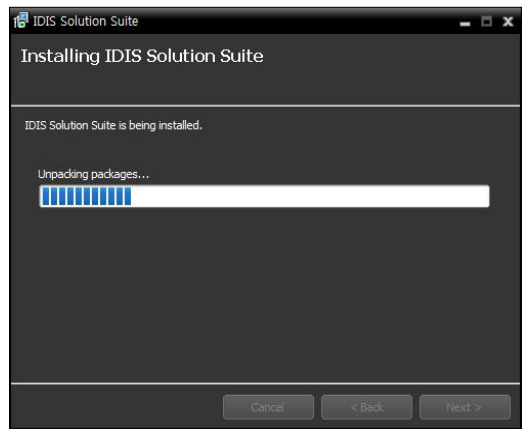
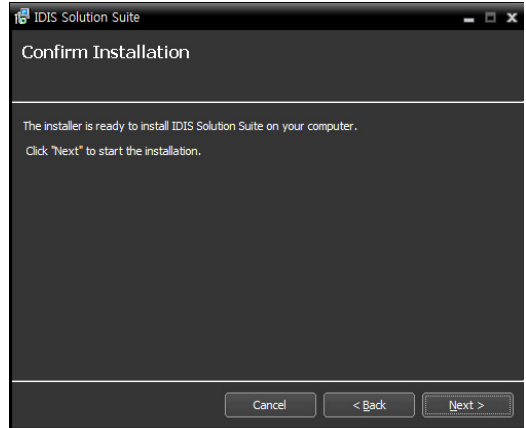
7 If you use the update service, it is required to enter the IP address and port number of the update server when installing the failover service. You can change the settings in the Service Manager program after completing installation.




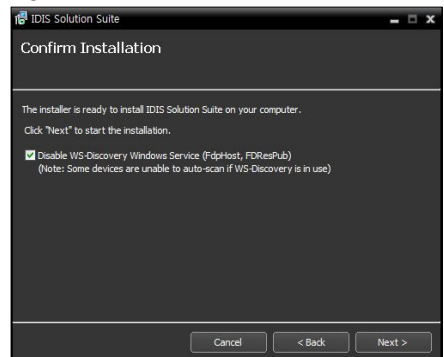
8 It is required to enter the IP address and port number of the federation server. You can change the settings in the Service Manager program after completing installation if necessary. When the installation is complete, the failover service is connected to the federation service via the network if the both services are operating.




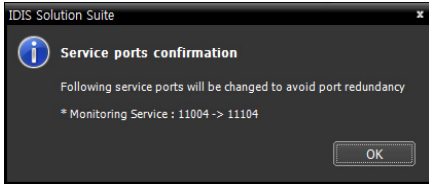
9 When the following screens appear, click **Next**.



- 
 The following screen appears when using Microsoft® Windows® Vista or later operating systems. It is recommended that you check the **Disable WS-Discovery Windows Service (fdPHost, FDResPub)** box. If you do not check the box, the IDIS Solution Suite program cannot auto-scan devices using **ONVIF™** Conformance protocol when scanning devices for device registration.

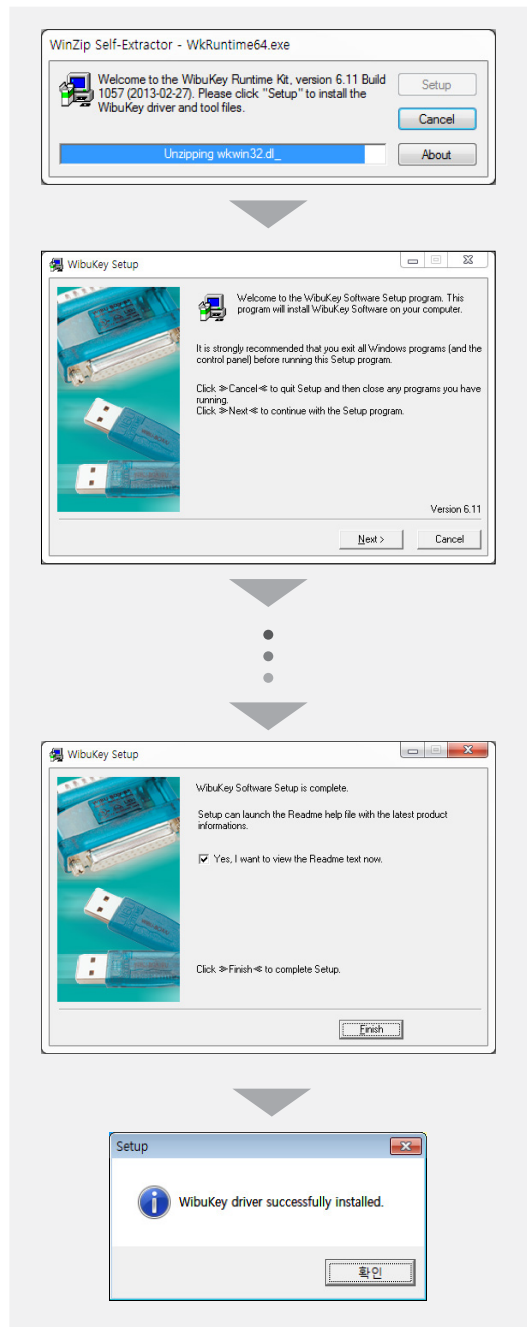
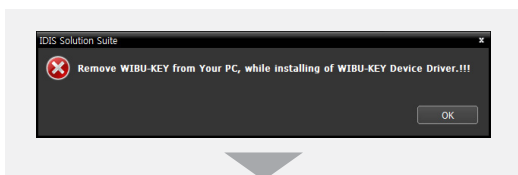


- 
 The following screen appears when the port number of the service being installed is already in use, and the screen displays the port number that will be changed. The changed port number will be applied when the service starts operating after installation.

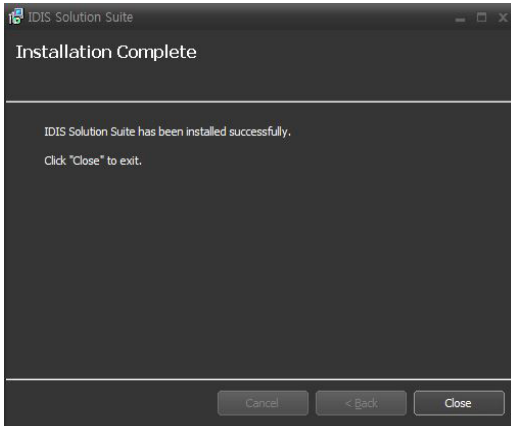


- .NET Framework and the Visual C++ Runtime Libraries are installed automatically, and it may take some time. This installation step will be skipped if the programs are already installed on your computer.

10 In order to use the WIBU-Key license authentication, select **Install Wibukey Driver** and click **Next**. Disconnect the WIBU-Key from the server if a WIBU-Key is connected. Then install the WIBU-Key device driver following the instructions.



11 When the following screen appears, click the **Close** button to complete the installation.




- After successfully installing WIBU-Key device driver, the PC restarts automatically.

12 Connect WIBU-Keys to the failover server.

Uninstall

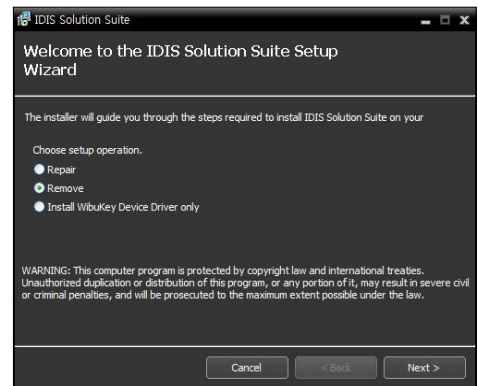
1 Stop running the services and Client program first.

- The IDIS Solution Suite software might not be uninstalled correctly if you uninstall it while the services or Client program is running.

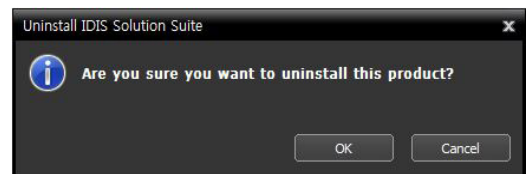
-  The IDIS Solution Suite software should be uninstalled following the procedures below. If you delete the installation folder manually, the IDIS Solution Suite software cannot be uninstalled or reinstalled.

2 Go to the **Start** Menu, and click **IDIS Solution Suite**. Click **Uninstall IDIS Solution Suite**.

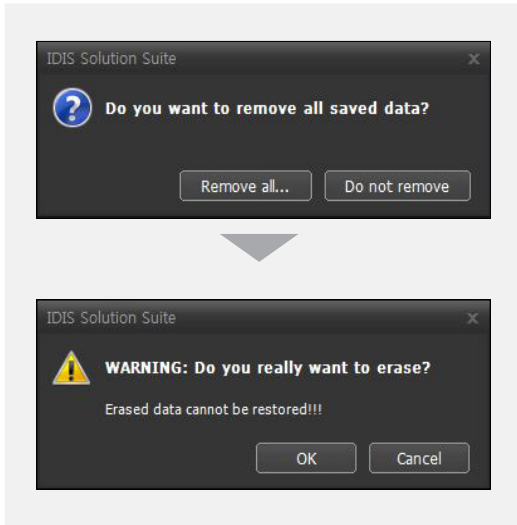
- You can uninstall the software by using the software CD. Insert the software CD in the server or Client PC and run the **setupFED.exe** file. Select **Remove** and click **Next**.



3 Click **OK** when the following screen appears.



4 Click the **Remove All** or **Do not remove** button when the following screen appears. Clicking the **Remove All** button deletes all saved data including recorded video and previous settings in the system. Clicking the **Do not remove** button uninstalls the software without deleting any saved data in the system and keeps all saved data in the system.



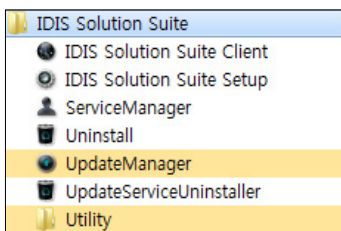
- The deleted data cannot be restored once the data is deleted.

5 Click the **OK** button to complete the uninstall process.

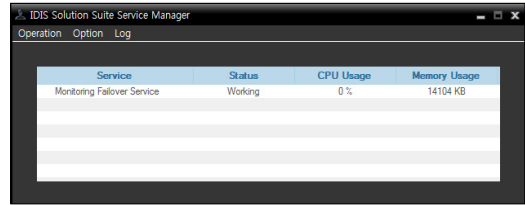
Running Services

- A **Service** in the IDIS Solution Suite program is a process that runs in the background and performs a specified operation.

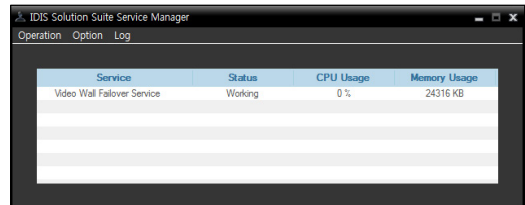
When the services are installed, the services run automatically. You can also start or stop running the services manually. Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **Service Manager** program.



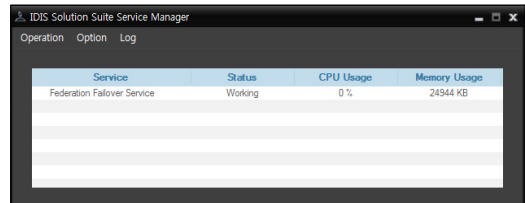
<Monitoring failover service>



<Video wall failover service>



<Federation failover service>

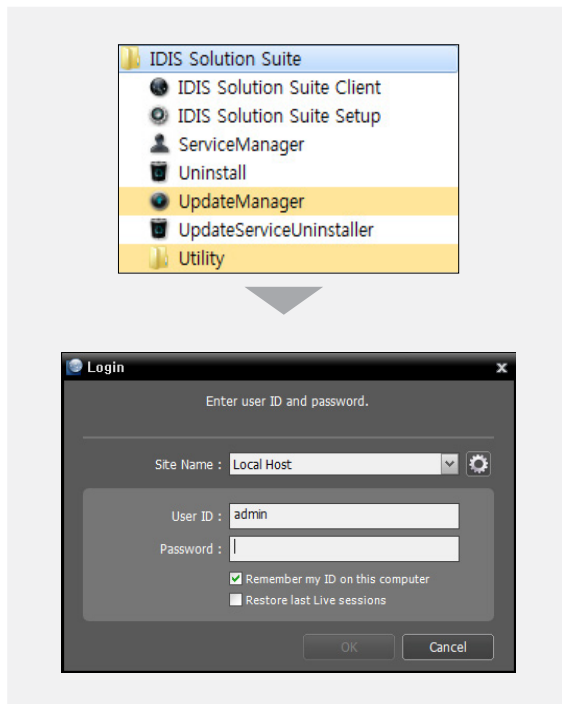



Check the status of services. If any of the services are not listed as **Working** under **Status**, start the services manually. Refer to IDIS Solution Suite Standard User's Manual for details about the **Service Manager** program.

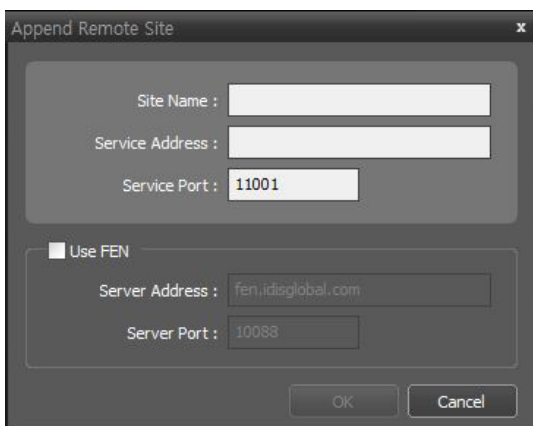
Log In

You are required to log in to the federation service as follows when running the Setup and Client programs.

Go to the **Start** Menu → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Setup** or **IDIS Solution Suite Client** program and enter login information.



- **Site Name:** Select the federation service to connect to from the list. You can add other federation services to the list or modify information about the federation service in the list by clicking the  button at the right.



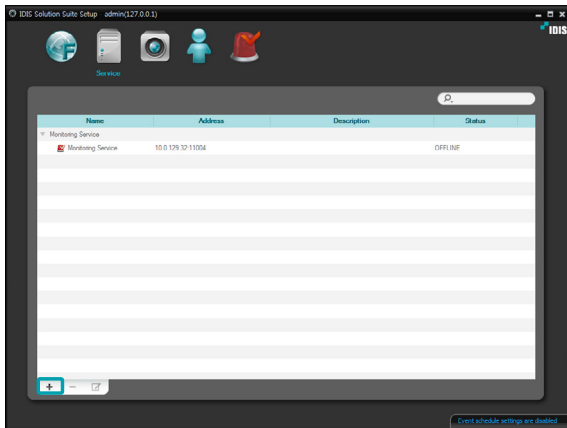
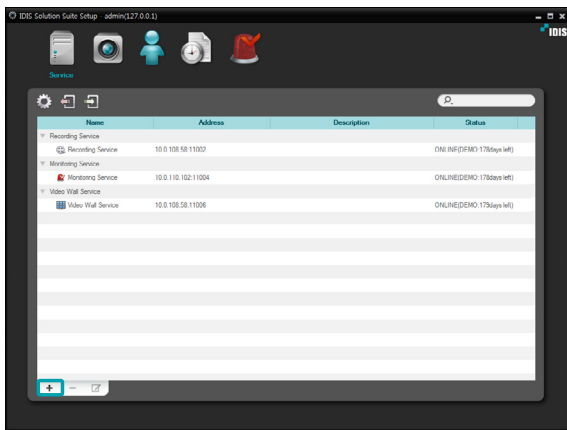
- **Site Name, Service Address, Service Port:** Designate the name of the federation service and enter the IP address and port number of the federation server (default: 11001/11000).
- **User ID, Password:** Enter your user ID and password. The default user ID is **admin** and default password is **12345678**. You can change the user ID and password in the User menu. Refer to IDIS Solution Suite Standard User's Manual for details.
- **Remember my ID on this computer:** Check the box if you want to save your ID for logging on.
- **Restore last Live sessions:** Check the box if you want to restore the previous live monitoring sessions in the current Live panels of the Client program (supported only for the Client program).

Registering Services

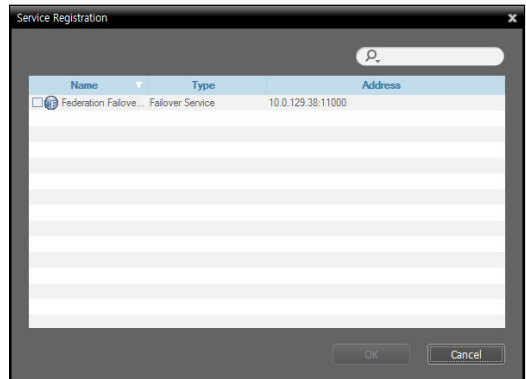
You must register monitoring, streaming and video analytics services on the administration service to start the IDIS Solution Suite program. Services that are installed on the administration server are registered on the administration service automatically.

Go to the **Start Menu** → Click **IDIS Solution Suite** → Run the **IDIS Solution Suite Setup** program and enter login information.

Select the **Service** menu, and then register monitoring, video wall, or federation failover service following the procedures below.

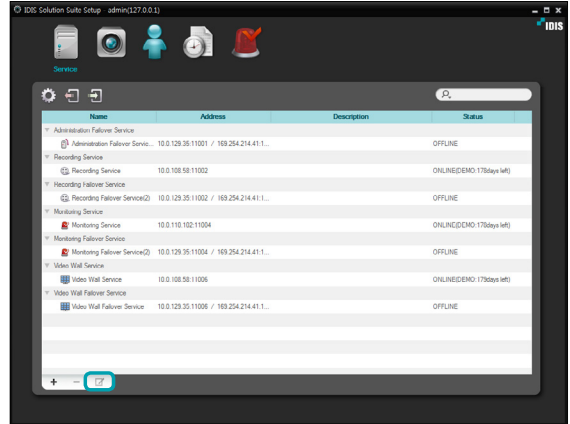
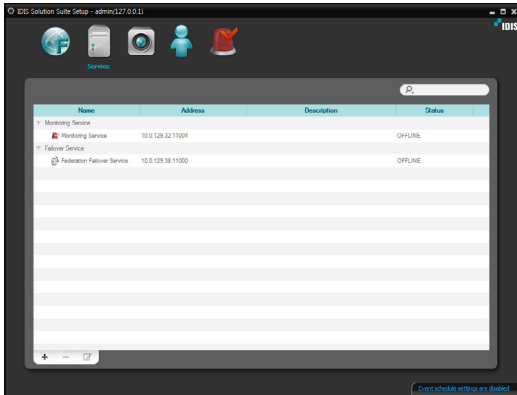


- 1 Click the **+** button at the bottom. The **Service Registration** window appears, and a list of available services is displayed with information about each service.

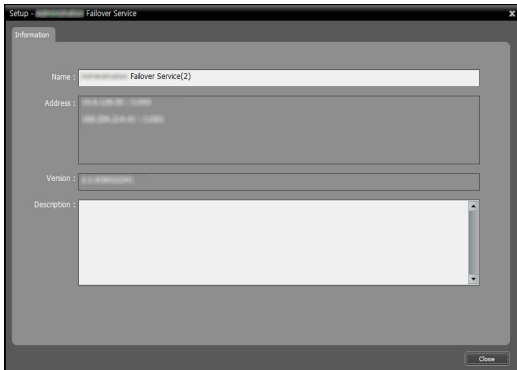


- **Name:** Displays services that are currently connected to the federation service via the network.
 - **Type:** Displays the service type.
 - **Address:** Display the IP address and port number of each server.
- Only the services of which the federation server information (**Service Manager** → **Option** → **Server Option**) matches the currently connected federation server are available.

- 2 Select monitoring, video wall, or federation failover service to register on the IDIS Solution Suite system, and the selected services are displayed in the service list.

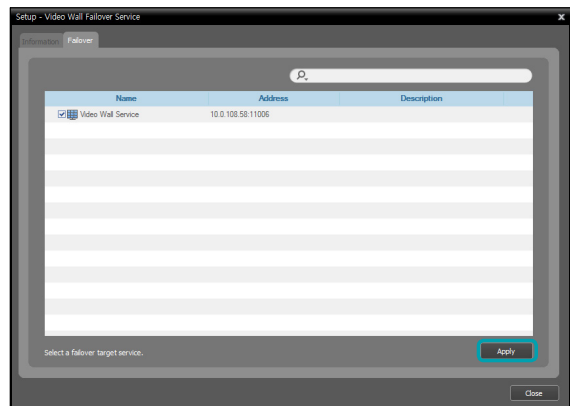


Select a failover service and click the button at the bottom.



Select a failover service and click the button at the bottom. You can change the failover service's name.

Video Wall Failover Service



Click the **Failover** tab and select a video wall service. It is not allowed to cluster video wall services, and the failover service will replace only one service. Click the **Apply** button.

- Only the services of which the administration server information (**Service Manager** → **Option** → **Server Option**) matches the currently connected administration server are available.

Service Configuration

You are required to configure the recording failover service and video wall failover service for the services to operate properly. Setting up and operating the IDIS Solution Suite Client program of the IDIS Solution Suite failover software is identical to that of the IDIS Solution Suite Standard software.



IDIS Co., Ltd.

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