Manuals+ — User Manuals Simplified.

speco technologies SG519 SecureGuard Server User Guide

Contents

Quick Setup Guide (Ver. 2.9)

Speco Technologies SecureGuard® Server – Model: SG519 (4U)

About this Quick Setup Guide

Before operating the unit, please read this user's guide thoroughly and retain it for future reference.

Product Components

The following components are included:

SecureGuard® Server + Faceplate (Set of 2 keys included) + Rack Ears (included)	QTY: 1 *Server comes with the rack ears mounted*
Quick Setup Guide	QTY: 1
Power Cable	QTY: 2
Server Rails (Instruction Manual Included)	QTY: 1 pair
Rack Bracket Adapters	
Hardware	

Internal Connections

Front View (Without Faceplate)
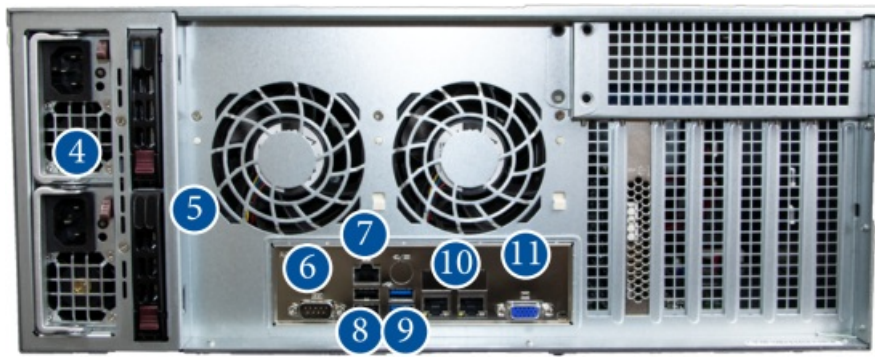
Rear View

(1) Power Switch
(2) Reset Switch & LED Status Indicators
(3) 3.5″ HDD Bay x24
(4) AC Inputs for Redundant Power Supply
(5) 2.5″ HDD Bay x2
(6) DB9 COM Port
(7) IPMI Interface x1
(8) USB 2.0 x2
(9) USB 3.0 x2
(10) Gigabit Ethernet LAN Ports x2
(11) VGA Output

LED Status Indicators

Power Failure LED:
Flashing LED indicates power supply failure.

Information LED:

STATUS	DESCRIPTION
Continuously ON & red	Overheat condition has occured.
Blinking red (1 Hz)	Fan failure.
Blinking red (.25 Hz)	Power failure.
Solid blue	Local UID has been activated to locate the server in a rack environment.
Blinking blue (300 msec)	Remote UID has been activated to locate the server from a remote location.

NIC2 Activity LED:
Indicates network activity on LAN 2 when flashing.

NIC1 Activity LED:
Indicates network activity on LAN 1 when flashing.

HDD Activity:
Indicates drive (SAS/SATA, SCSI, and/or DVD-ROM) activity when flashing.

Power Status:
Indicates power is being supplied to the power supply units.

Power on the Server

- Please follow the proper power ON procedures to avoid damaging the server.
- Connect all necessary components, e.g. monitor and cameras, before powering the server.
- Power ON the server by depressing the Power Switch **(1)** to boot up the server.

WARNING: To reduce the risk of database corruption due to power loss, Speco strongly urges use of an uninterruptible power supply with our SecureGuard® servers.

Login to Windows

- After boot up, at the Windows login screen, you will see that the default user account is " **Speco Tech**". There is **no password** associated with the default account. It is **highly advisable** to set a password after logging into the Windows home screen for the first time. **See Image 1.**
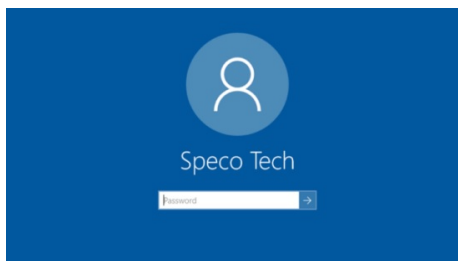

WARNING: Please store your password in a safe location. Speco Technologies will not be able to assist you in recovering a lost password. Note: The default timezone on the servers is set to (UTC-05:00) Eastern Time (US & Canada).

Image 1

Run SecureGuard® Configuration Tool

Note: The server comes pre-loaded with SecureGuard® Server software.

- At the Windows Desktop home screen, run the SecureGuard® Configuration Tool to setup the server by double clicking on the SecureGuard® Configuration Tool icon. **See Image 2.**

Image 2

- If prompted to select or create a Systems Recordings folder, point to the storage drive where the recordings will be stored (Recordings D:). Otherwise move on to the next step. **See Image 3.**
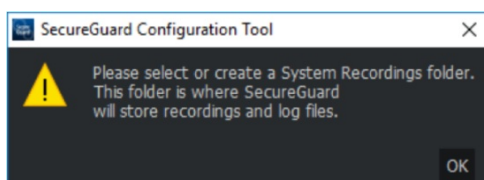
- Upon opening the Configuration Tool, you will need to register your SecureGuard® installation. This information is mandatory and will be included in e-mail notifications if utilized. The default username **admin** and default password **admin** to access the SecureGuard® Configuration Tool. **See Image 4.**
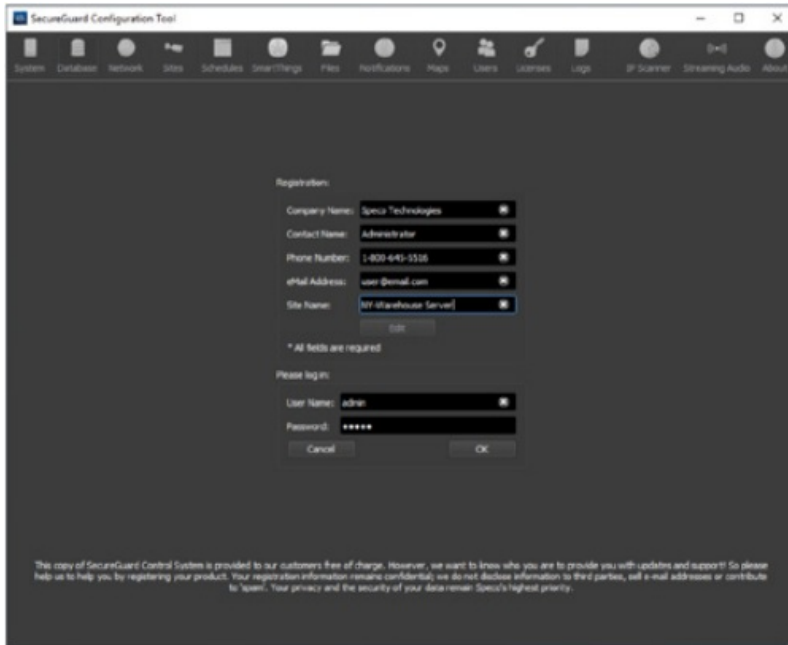

Image 4

** IT IS STRONGLY RECOMMENDED THAT THE ADMIN PASSWORD BE CHANGED TO ENSURE THE SECURITY OF YOUR INSTALLATION.

• At the "System" tab, ensure "System Recordings" file path is pointing to the storage drives. **See Image 5.**
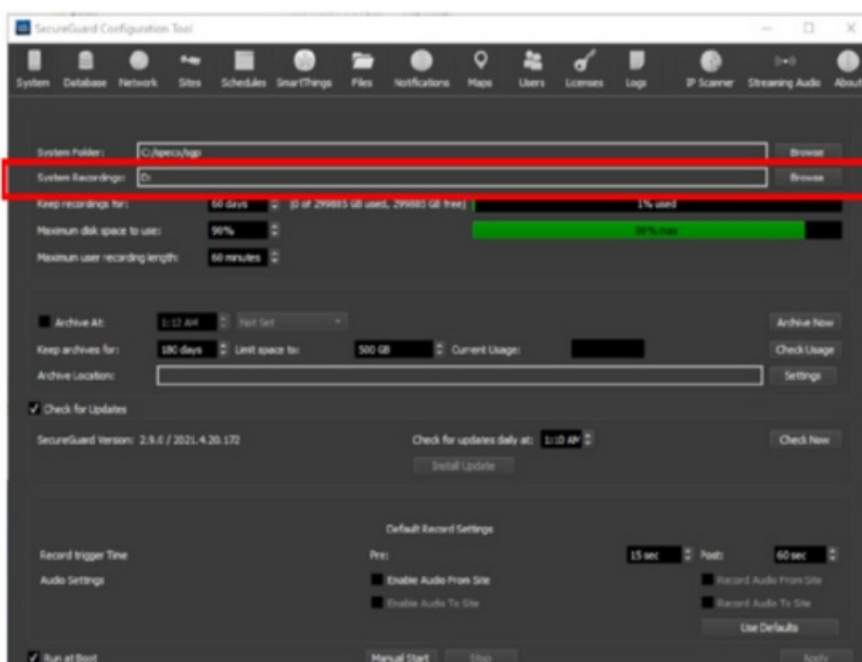

Image 5

Note: SecureGuard® servers come with independent hard drive(s) for the storage recordings and the operating system. <u>Do not</u> store recordings in the hard drive dedicated for the operating system.

Setting up Software Updates

- SecureGuard® will be set to check for updates on a daily basis. The time to check for updates can be modified by simply changing the hour, minute, and meridiem. You can manually check for updates by clicking "Check Now". **See Image 6.**
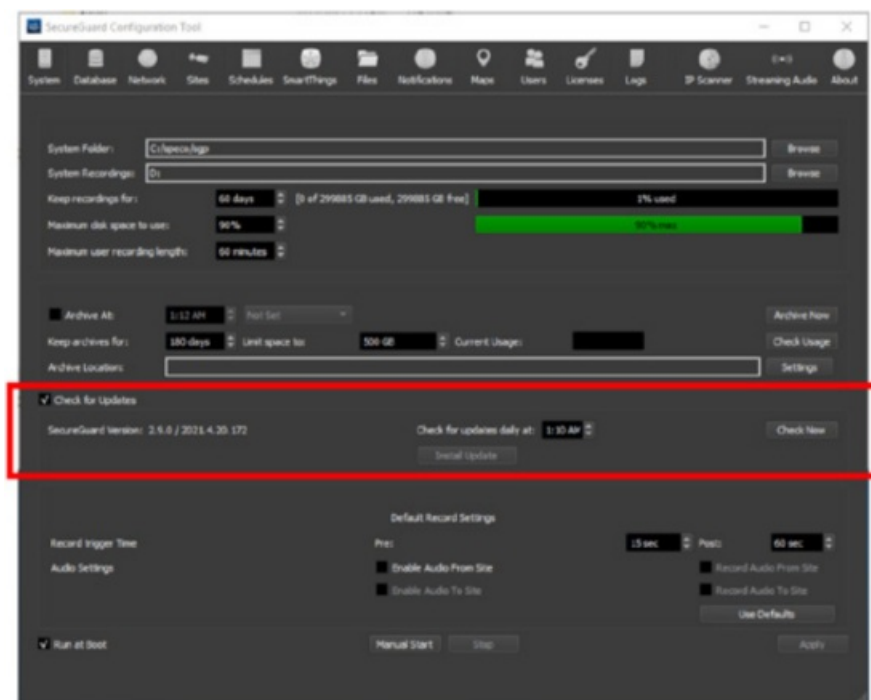

Image 6

Note: Server must be connected to the internet to search and download updates

- To disable the scheduled update check, uncheck the box next to "Enable Automatic Updates". Click "Apply" to confirm changes.

Setting up Database Backup

- The "Database" tab is where you import or export settings and back up, restore, or validate the SecureGuard® database. **See Image 7.**
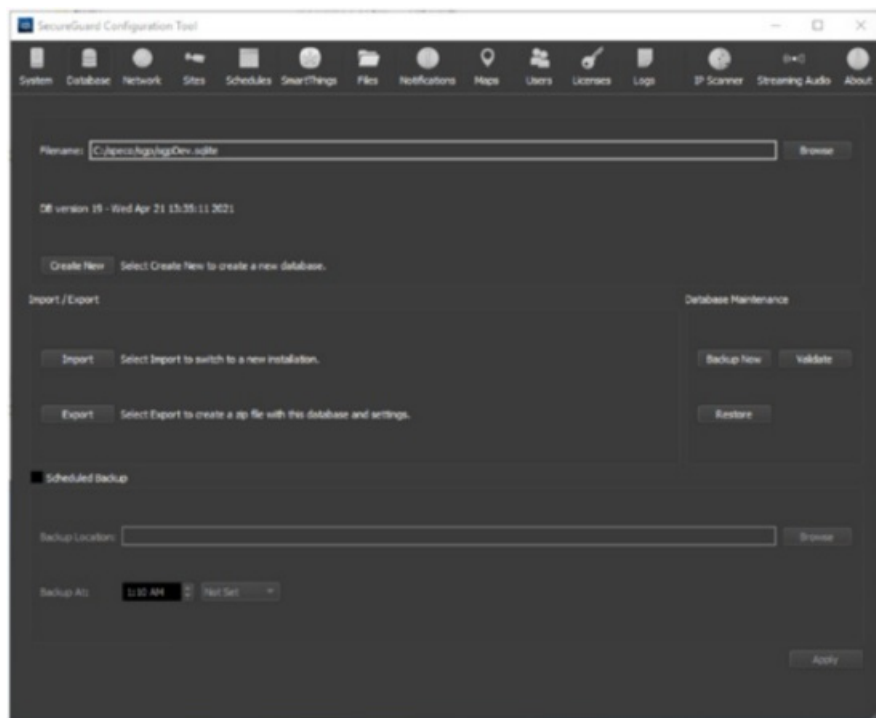
Image 7

- It is recommended that you back up your database on a scheduled basis. If your database gets corrupted, you will be able to restore to a point where the database was stable. To setup up a scheduled database backup, first check the box next to "Scheduled Backup".
- Choose where you would like to backup your database by clicking "Browse".

Note: It is HIGHLY recommended that you backup your database to a separate drive and NOT to your C: drive.

- Adjust the time's hour, minute, and meridiem to specify what time the database will be backed up. And lastly, select whether the database will be backed up on a daily basis or weekly basis. Once completed, click "Apply". **See Image 8.**
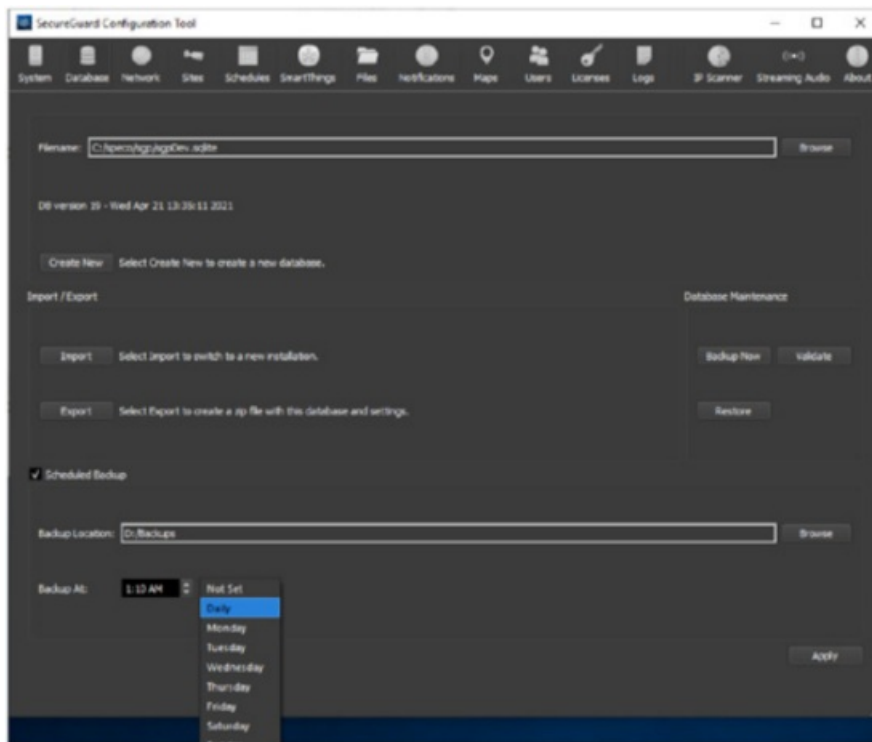
Image 8

Setting up Network

Note: For servers with Dual Network Interface Cards, it is highly advisable that the camera and the client connection network traffic be kept separate.

- In the "Network" tab, for "Client Interface" select the network adapter that remote client(s) will connect to. For "Video Interface" select the network adapter that the camera(s) will connect to. **See Image 9.**
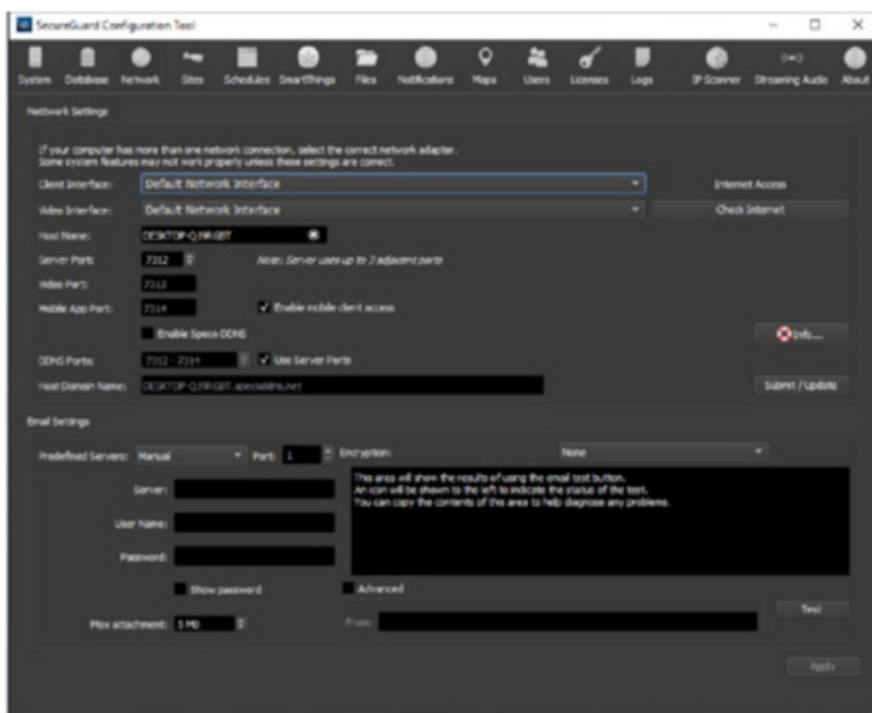

Image 9

- To register the server with Speco's Free DDNS, ensure the "Enable Speco DDNS" checkbox is selected, and

enter a name for the server in the "Host Name" field then click on "Submit/Update". **See Image 10.**

Image 10

- If the server name isn't currently registered with Speco's DDNS server, then the registration will be successful. If it fails, use a different name for the "Host Name". **See Image 11.**
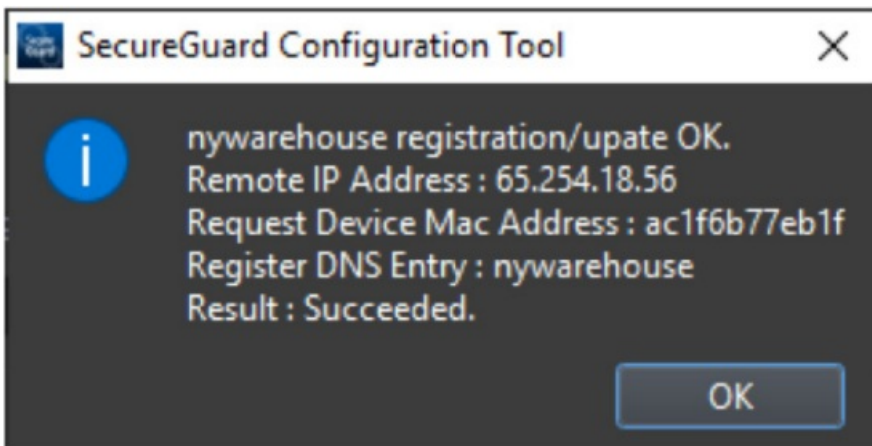

Image 11

- By default, the server uses ports 7312 & 7313 for network communication.

Note: To avoid network conflicts with devices that also use the server default ports 7312, 7313, and 7314 the option of changing the port numbers is available through the Configuration Tool. The servers come shipped with an inbound rule for Window's firewall that allows communication on the server default ports. If the server default ports are changed, please ensure the existing inbound rule is updated, or create a new inbound rule permitting communication on the new server port values.

Applying Channel License

- Your SecureGuard® Server initially comes with a free 32-channel license. If your server installation exceeds 32-channels, you will need to apply a channel license in order to add the remaining total. This license is provided by Speco.
- Go to the "License Tab" and either enter your activation code (requires an internet connection) or import your license by pressing "Import License File" and selecting your license file. **See Image 12.**
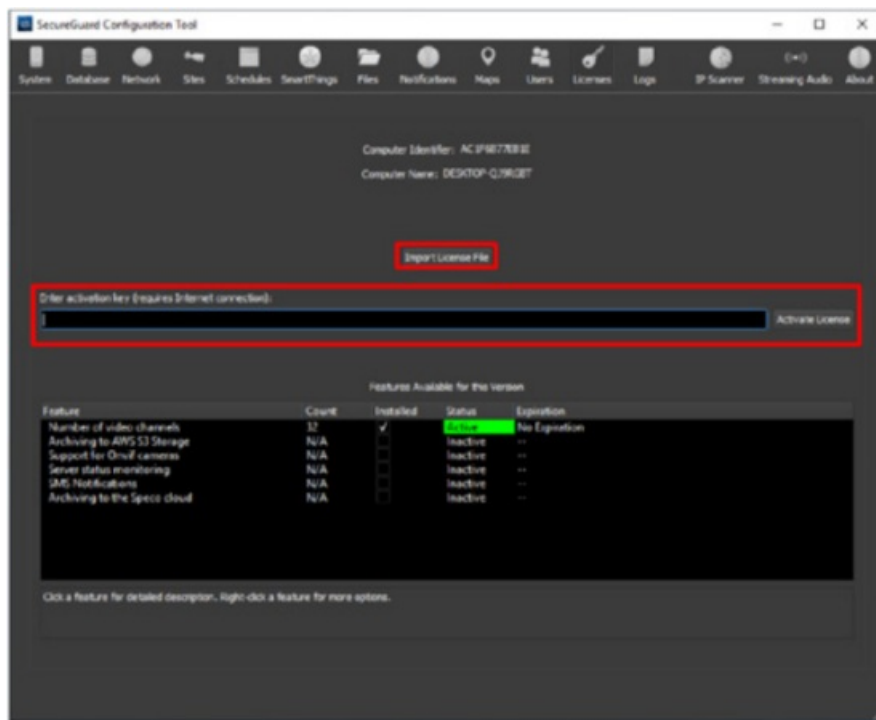
Image 12

- Your license, along with the channel count, will then be displayed in the list below.

Adding Sites (IP cameras, DVRs, NVRs mobile devices, Access Control Servers)

- The "Sites" tab is where sites (IP cameras, DVRs, NVRs, mobile devices, and Access Control Devices) can be added, deleted or updated. There are two methods of adding sites to the server. The first method uses "Site Locate" which automatically scans the Local Area Network for IP cameras and select, DVRs , NVRs and hybrid DVRs. **See Image 13.**
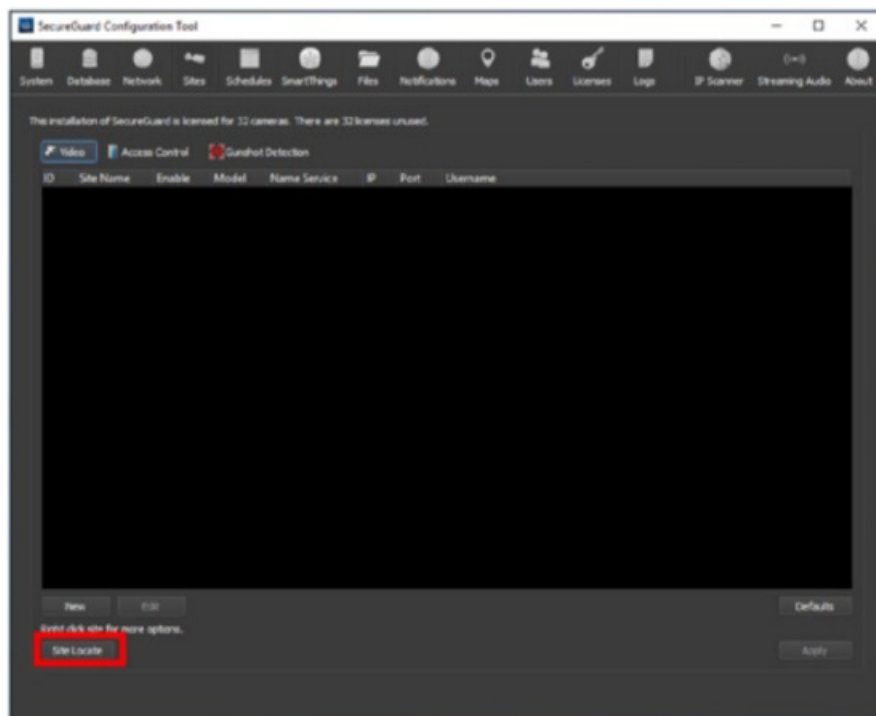

Image 13

- Clicking on "Site Locate", will open the "Site Locate" window and start scanning the local area network for your devices. You can rescan the network by clicking on "Refresh". **See Image 14.**
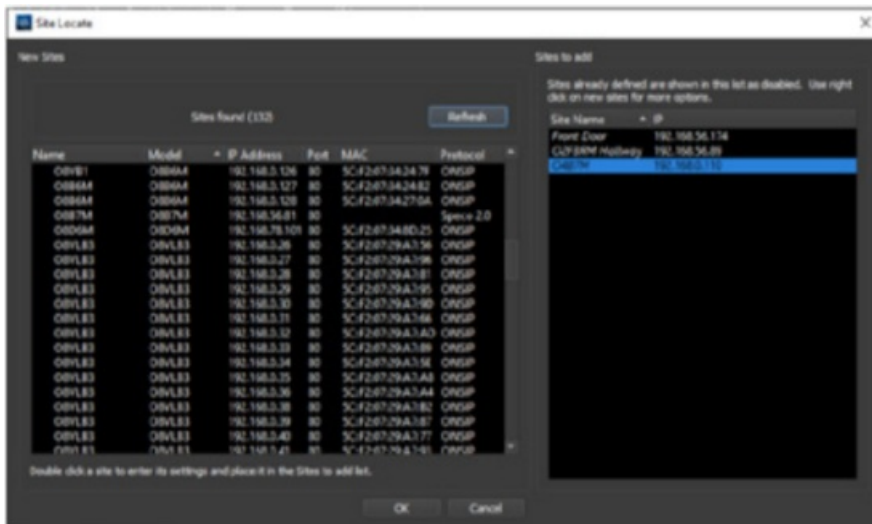

Image 14

- To add a site to the server, double click on the device to bring up the "Site Settings" window. Ensure the values for all the fields are accurate, enter the camera's login credentials and verify the accuracy of the information by clicking on "Check Site". If the connection is successful, click "OK". **See Image 15.**
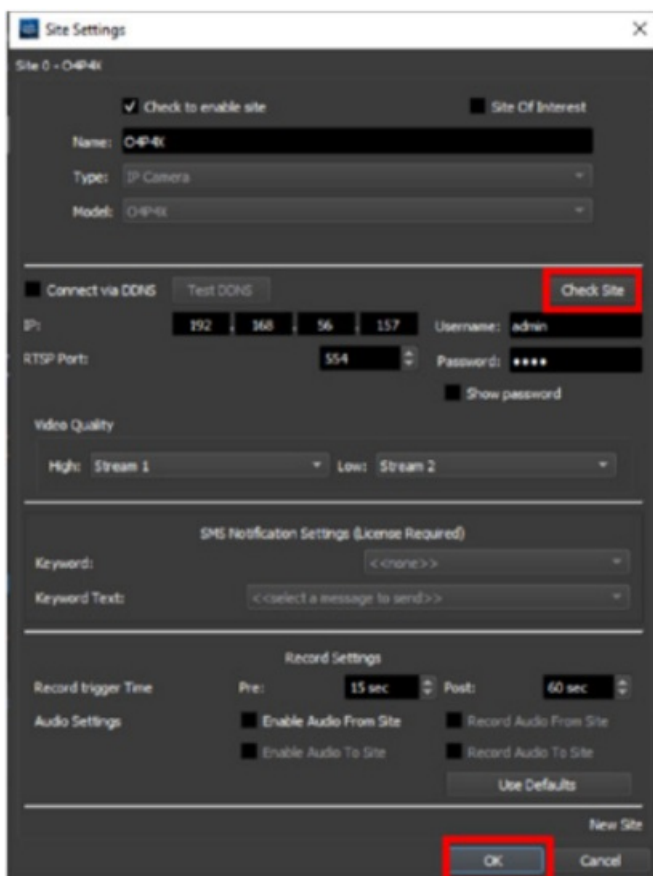

Image 15

- The devices will now be listed under "Sites to add" list.
- Continue to repeat this process for the remaining IP Cameras that must be added to the server. Once

complete, click on "OK" to exit the "Site Locate" window. The cameras that were added to the "Sites to add" list will now be made available in the "Sites" tab. Click on "Apply" to complete adding the sites to the server. **See Image 22.**

- The second method of adding sites to the server is by manually entering the site information. This method must be used when adding mobile devices as well as DVRs, NVRs, and hybrid DVRs not scanned in "Site Locate". To enter site information manually, click on "New" in the "Sites" tab to bring up the "Site Settings" window. **See Image 16.**

Image 16

- Fill in the values for all the fields, and verify the accuracy of the information by clicking on "Check Site".

Note: A "Check Site" should always be performed when adding a DVR/NVR/Hybrid. Doing so will confirm the number of channels on the site in order to toggle PTZ control for the channels and, if needed, restrict users from specific channels in the client.

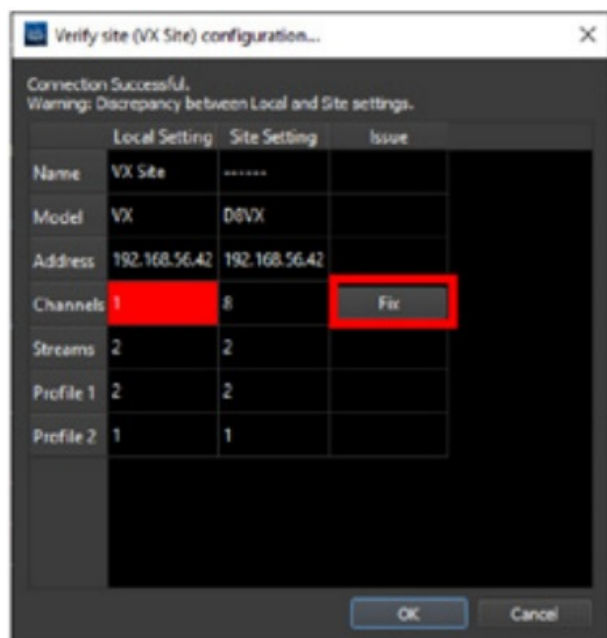- Correct any information by clicking "Fix". **See Image 17.**

Image 17

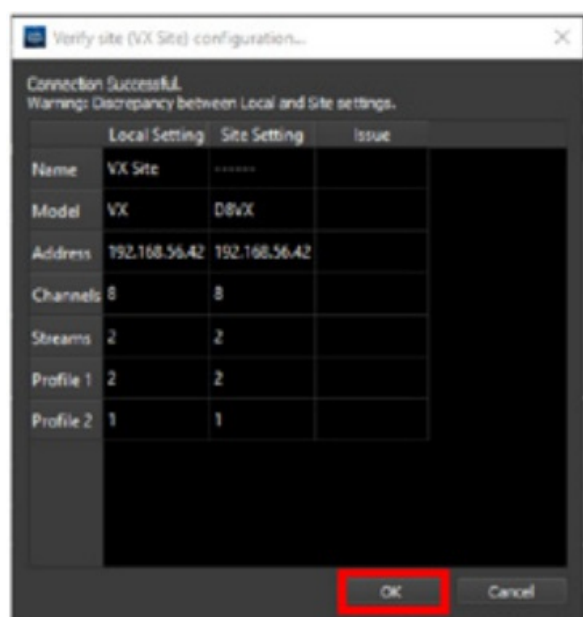- Click "OK". **See Image 18.**

Image 18

- The channel boxes under PTZ Control will be consistent with the number of channels on the DVR, NVR, or Hybrid. Per form another "Check Site". If the connection is successful, click "OK" on both windows. **See Image 19.**

Image 19

• If a "Check Site" connection is successful, you can preview the incoming video from the site (and channels, if

applicable). If you're connecting to a recorder, use the dropdown next to "Channel" to select the channel you would like to preview. This can assist you in better identifying the camera you're adding to your installation and naming the site. **See Image 20 and Image 21.**
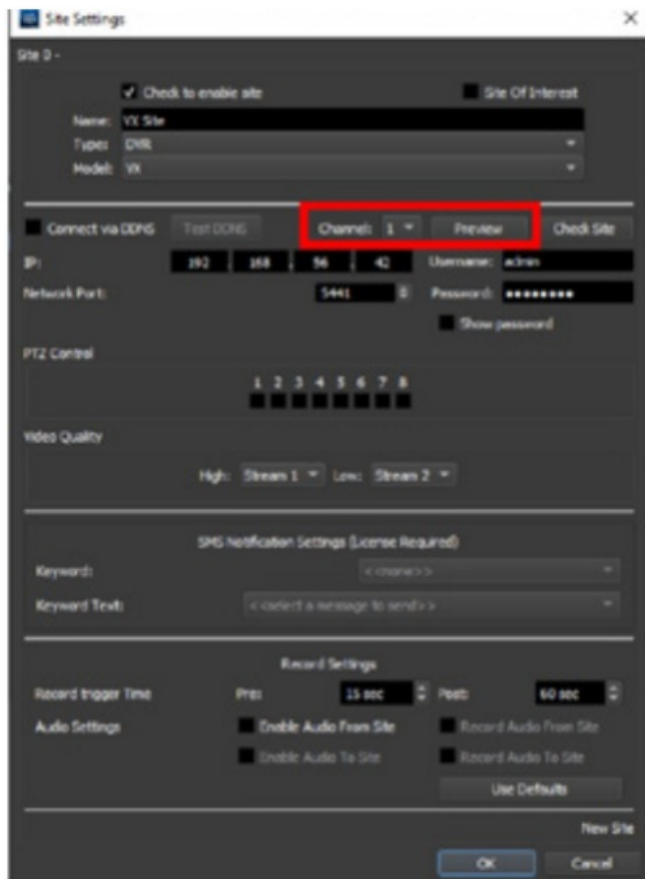

Image 20

Image 21

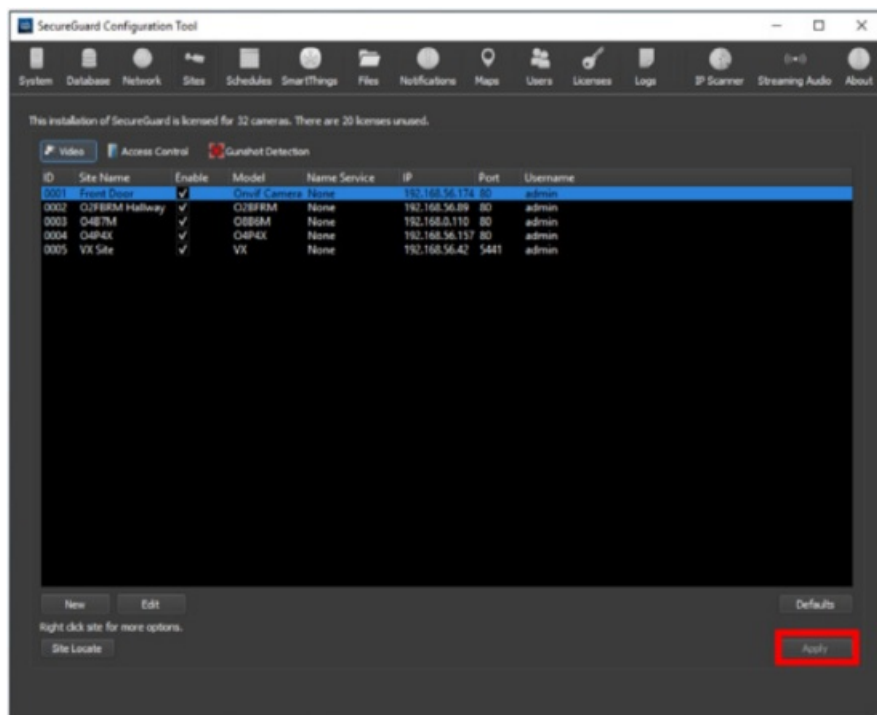- Finally click on "Apply" to add the site(s) to the server. **See Image 22.**

Image 22

Setting up Recording Schedules

- To set up a recording schedule, click on the "Schedules" tab.
- Next to "Action:" select the type of recording (Continuous, Motion, or Sensor) by clicking on the button (radio button) next to it.
- The schedule grid is made up of rows and columns. The rows pertain to the days of the week (Mon-Sun), and the columns pertain to the hours of a day (00HR-23HR).
- The cells inside the schedule grid can be colored in based on the type of recording selected. The color representation is as follows: **Green** for **Continuous**, **Blue** for **Motion**, **Orange** for Sensor, and White for **No Recording**. To color in the grid, hold down the mouse button and drag the mouse cursor over the grid. **See Image 23.**
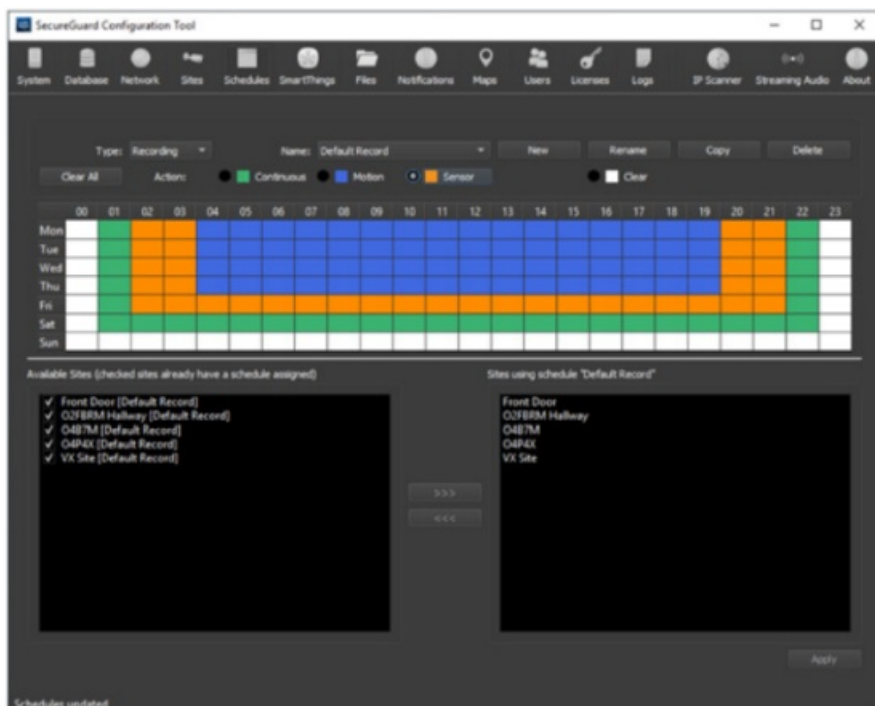
Image 23

- To set the entire schedule to a single recording type, click on the white box located in the top-left most corner of the grid. **See Image 24.**
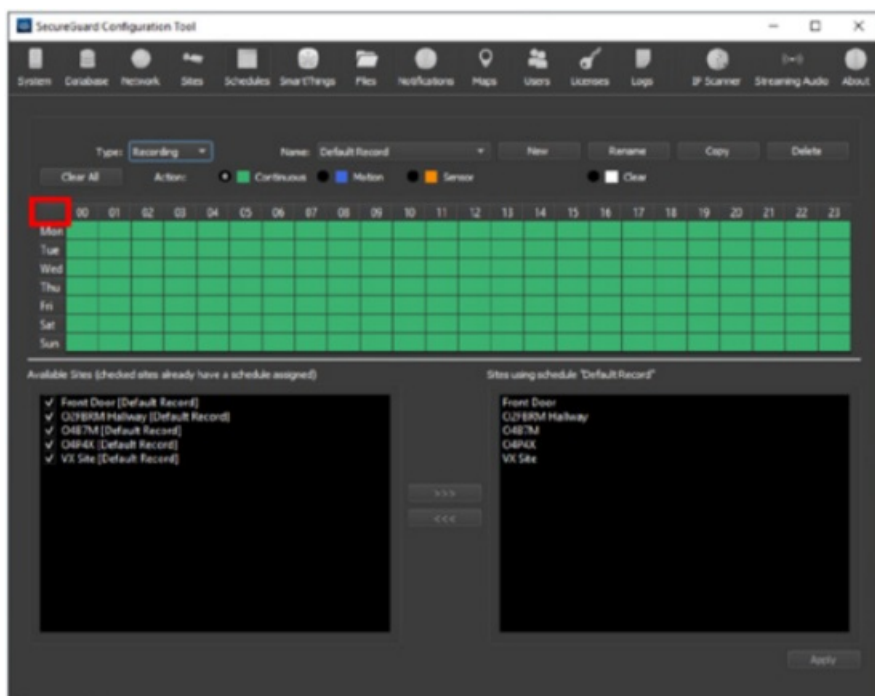

Image 24

- Once the schedule and recording type has been set, associate the schedule with individual sites (IP cameras, DVRs, NVRs) by moving over the sites listed under "Available Site…" to "Sites using schedule …" by clicking on
  >>>
- Click on "Apply" to save the schedule.

Adding Users

Note: By default, the server comes loaded with 3 user accounts: Admin, User, & Guest.

- Go to the "Users" tab. Here you can add, edit, or delete users, manage user site privileges through roles and permissions.
- The "admin" account will have full access to all sites and features and cannot be deleted.
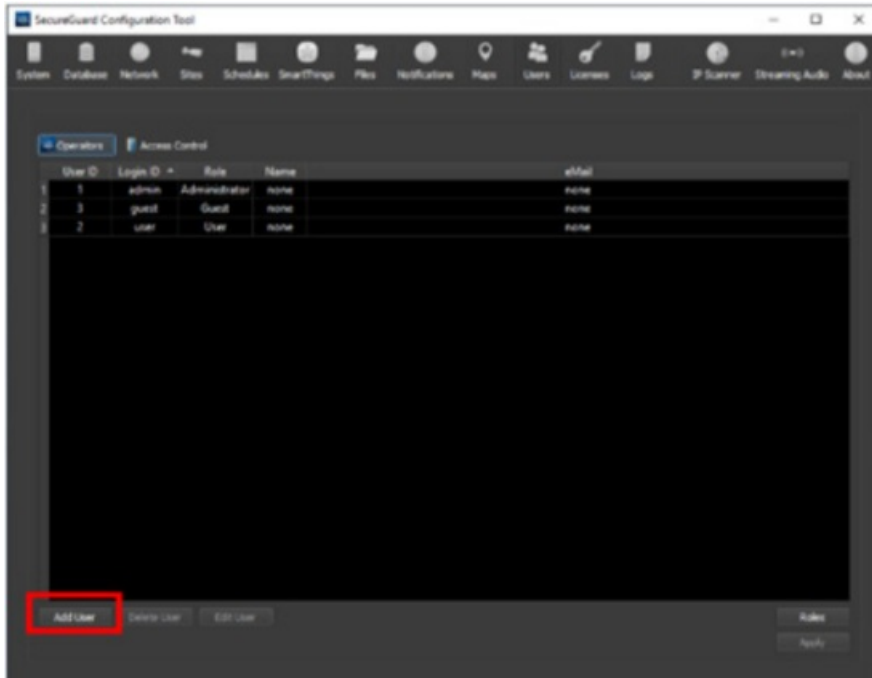- To add users, click on "Add User". **See Image 25.**

Image 25

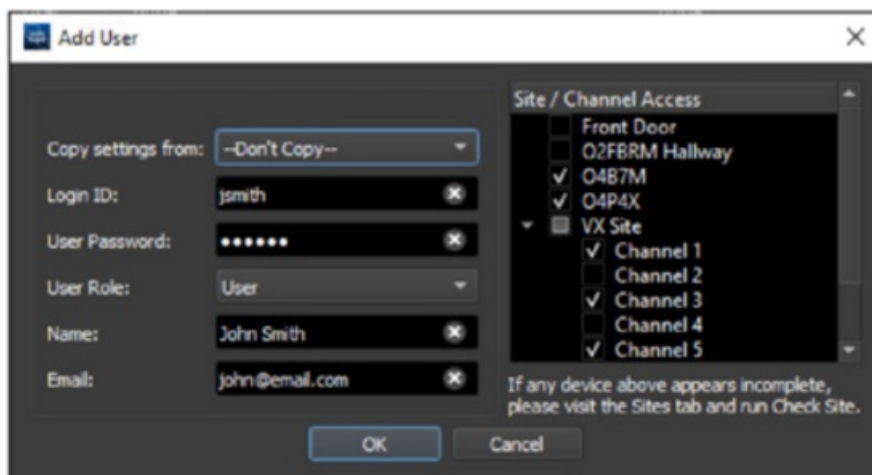- The "Add User" window will pop up. **See Image 26.**

Image 26

- If desired, you can copy settings from another to streamline the process. This will include Role Information, Site/Channel permissions, and Client settings such as layouts, tours, etc.
- Enter the new user credentials and a name.
- If applicable, select a "User Role" based on the level of access you wish the user to have. An "Administrator" role has full access to the system and sites. The "User" and "Guest" roles have limited access, but the

permissions can be modified.

- Users and Guests can also be restricted to specific sites and channels by toggling the boxes next to the sites and channels.

Note: A customized role can be created to meet varying levels of access control.

- Click on "OK" to exit the "Add User" window, and click on "Apply" in the "Users" tab to add the user(s) to the system.

Installing SecureGuard ® on Client PCs

Note: Download the SecureGuard® Client from Speco Technologies website at www.specotech.com

- Once the client software has been downloaded, start the installation by running the executable file.
- Uncheck the components you don't wish to install on the client computer. This option is limited to the following components:
  • SecureGuard® Streaming Audio App
  • SecureGuard® Player
  • Start Menu Shortcuts
  • Desktop Icon

Components deemed necessary for the operation of SecureGuard® Client cannot be unchecked. Click on "Next" to proceed. **See Image 27.**
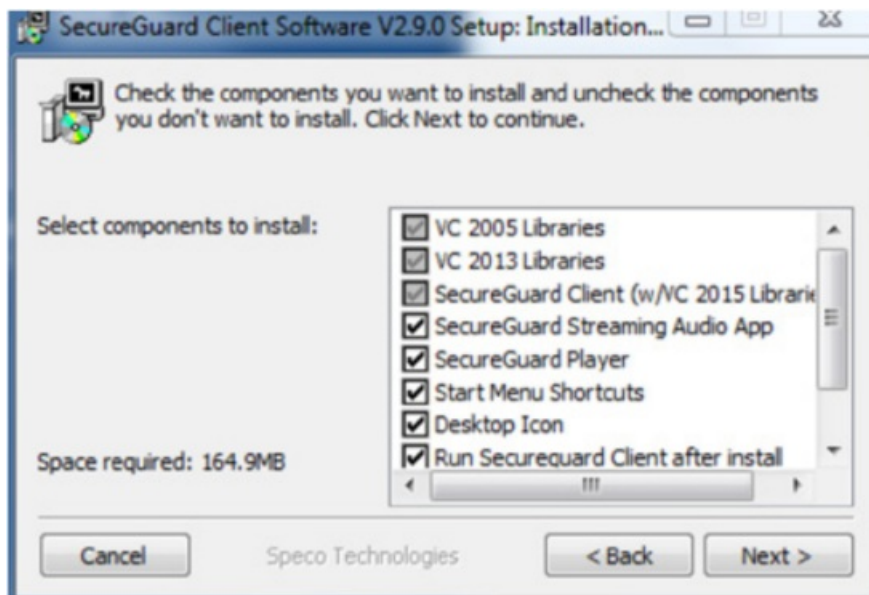

Image 27

- Select the destination folder where SecureGuard® Client will be installed by clicking on "Browse", or use the suggested destination folder which SecureGuard® Client will create. Click on "Install" to proceed. **See Image 28.**
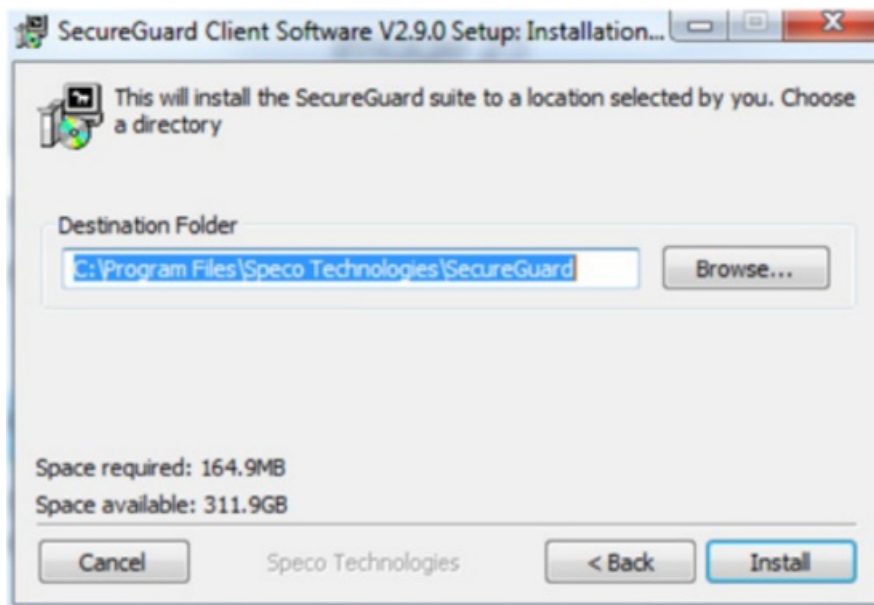
Image 28

Startup & Live View

- Once the installation is complete, the SecureGuard® Client user login window will open. If not, run the application by double clicking on the SecureGuard® Client desktop icon.
- At the user login window, enter the server address. The server address can be the IP address of the server or the DDNS name. If using the latter, please make sure "Use DDNS" checkbox is checked and then click on "OK". **See Image 29.**
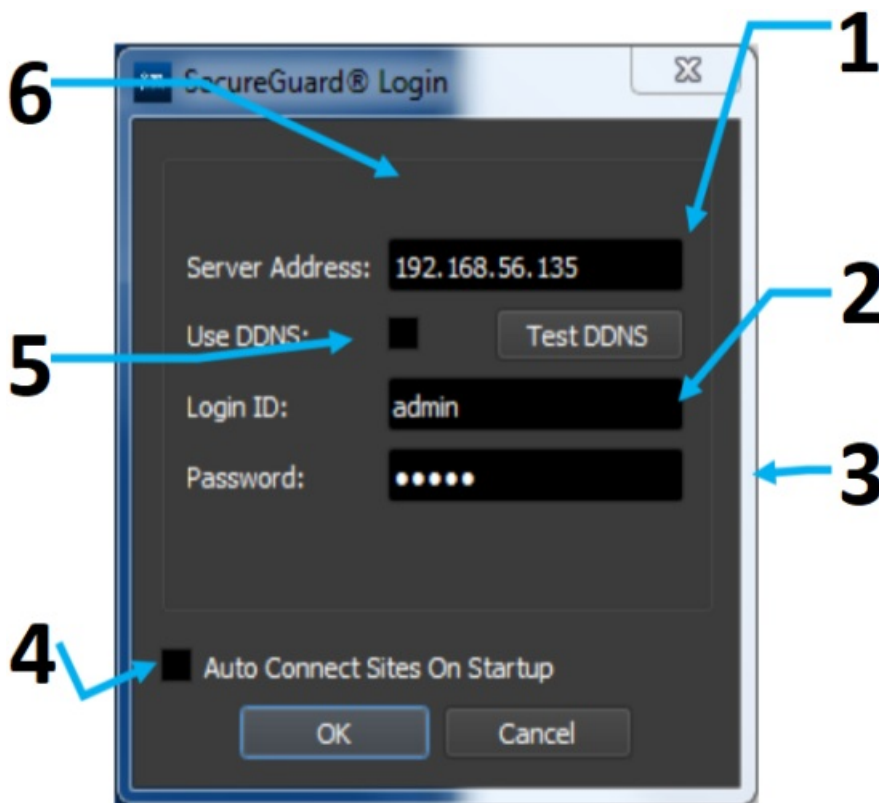

Image 29

1. Enter Server Address (DDNS or IP Address)

2. Enter username for Login ID.

3. Enter password associated with the username.

4. Check the box to automatically connect to all sites upon logging in.

5. Check the box to connect to Server using DDNS name.

6. Drop-down contains previously entered Server Addresses.

- Once logged in, the SecureGuard® Client Welcome window will pop up. Click "OK" to proceed. **See Image 30.**
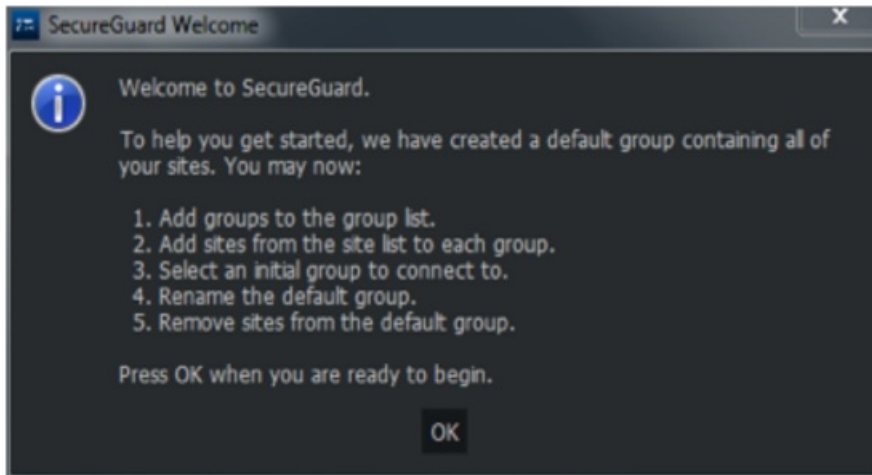

Image 30

- Next, the User Settings window will pop up. Here the sites that were added to the server will be listed under Saved Sites. **See Image 31.**
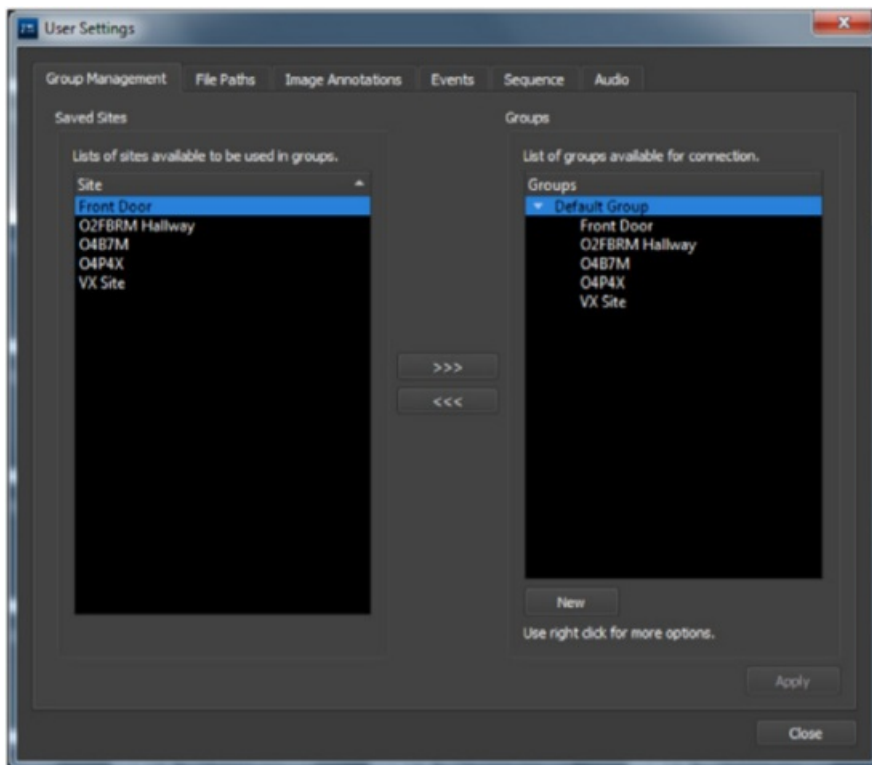

Image 31

• In order to view the sites, they need to be placed in a group. To start off, a default group has already been

created named **Group.** To add the sites **Group**, click on [>>>] "Apply." The "Apply" button will be grayed out, indicating the sites have been added to **Group**. Click on "Close" to exit the User Settings window. **See Image 32.**
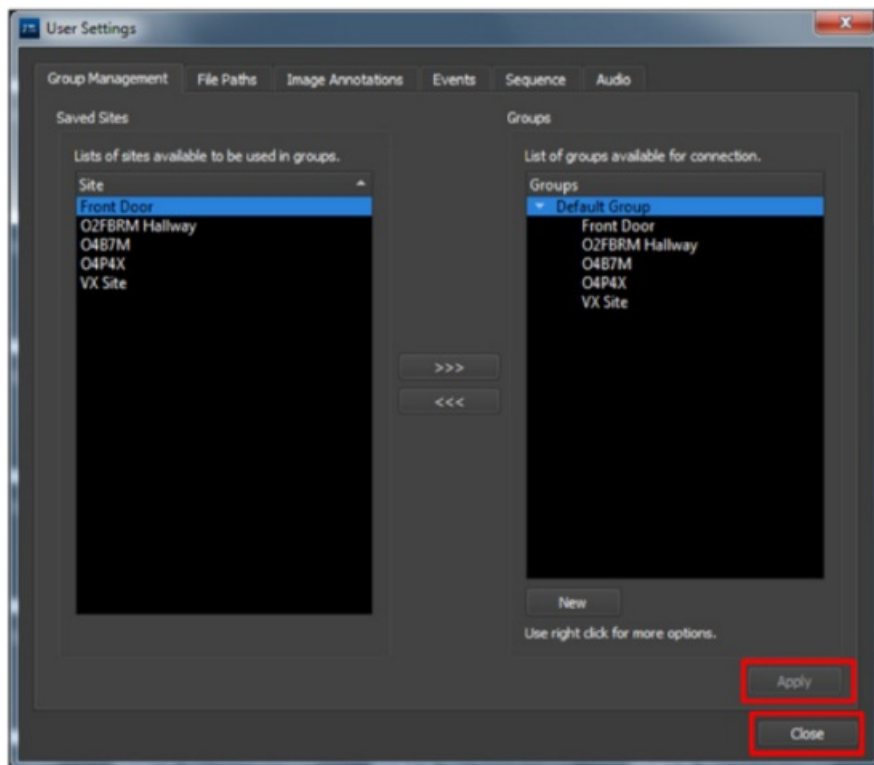

Image 32

- The Open Group window will pop up listing all the groups and sites. Select **Group** and click on "OK" to begin

  viewing the sites added to Group. **See Image 33 and Image 34.**

Image 33

Image 34

200 New Highway
Amityville, NY 11701
1.800.645.5516

specotech.com

Speco Technologies is constantly developing and improving products.
We reserve the right to modify product design and specifications without notice and without incurring any
obligation. Rev. 4/26/21

Documents / Resources

 speco technologies SG519 SecureGuard Server [pdf] User Guide
SG519 SecureGuard Server, SG519, SecureGuard Server