Infinova® 2217
Security Management System

Android SmartPhone Client
03.02.00 (Multi-site)

For Smartphones, PDAs and other hand-held devices which use Android 2.2 (or higher) Operating System

User Guide

November 2016

www.infinova.com

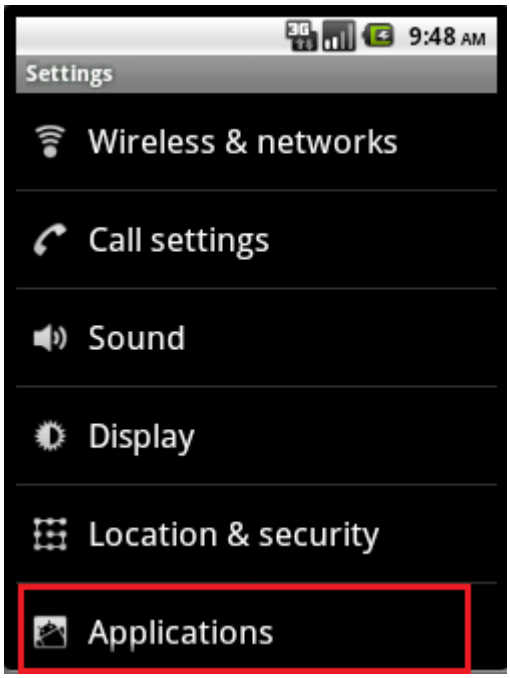
1. Settings and Installation

Note: The steps and screen shots described in this document are for Android 2.2 Operating System. The links and appearance may vary based on Android Operating System version installed on the SmartPhone device.

Step 1 - Allow installation of "non-market" applications

In order to allow installation of SMS Smartphone client, we have to do following setting.

- Click settings
- Select "Applications" in the list
- You will be in "Application Settings" window
- Check "Unknown sources"->Allow installation of non-market applications



Step 2 – Copy application installable on Android

- Transfer the application installable (*.apk file) on Android SmartPhone.
- The file transfer can be done with FTP File transfer. For this we can install a FTP server on android phone .
  For example: "SwiFTP" is a free FTP server available in Android Market
- Click on "Wi-Fi file transfer", click "start" on the application.
- It will show the IP address assigned.
- Start the FTP client program on your computer and enter the IP address and port number shown in Wi-Fi file transfer. You can use a FTP client like FileZilla
- Alternatively, you can type ftp://Android_IP_Address:Portnumber in your windows file explorer, access the android phone and do the file transfer.
- Copy the *.apk file from your machine to the required location on Android phone.
  (For example : /sdcard)
- For more information on how to start and use Swiftp server on android, you can refer to the set of instructions given on this link
  http://code.google.com/p/swiftp/wiki/UserInstructions

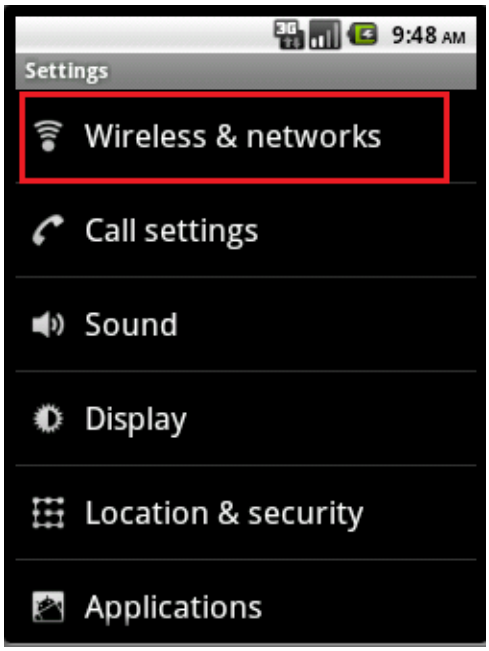
Step 3 -Install application installable on Android

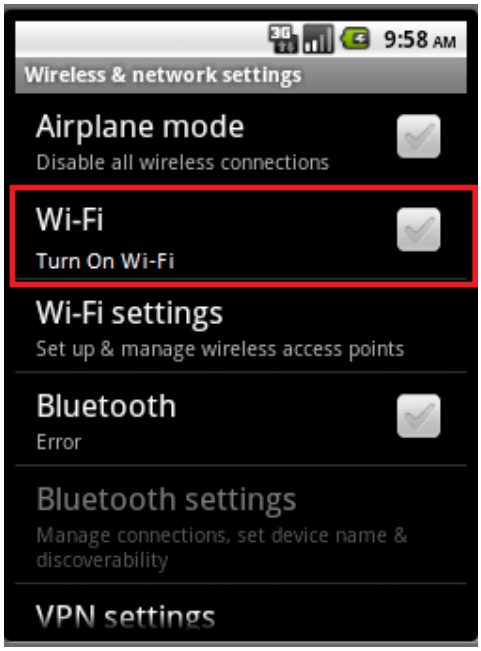
- Access the file system on Android SmartPhone.
- You can go to MyFiles and go to the location where *.apk file is copied
- Click on the installable and click "OK" for install
- The application will get installed on Android your phone
- Then you can click on application icon and start the application.

2. Android Phone Settings

Enable Wi-Fi

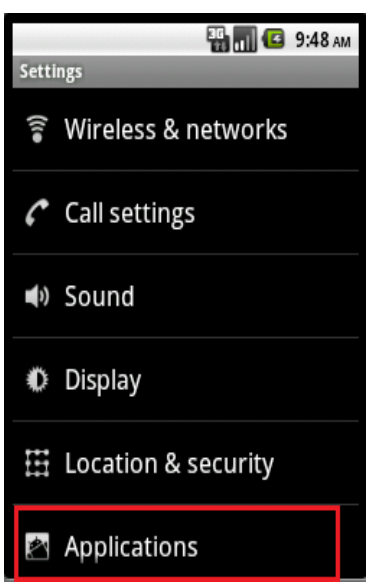
- Go to settings tab, select “Wireless and Networks” and select “Turn ON Wi-Fi”.
- It will detect the available Wi-Fi networks and then you can choose the correct Wi-Fi network

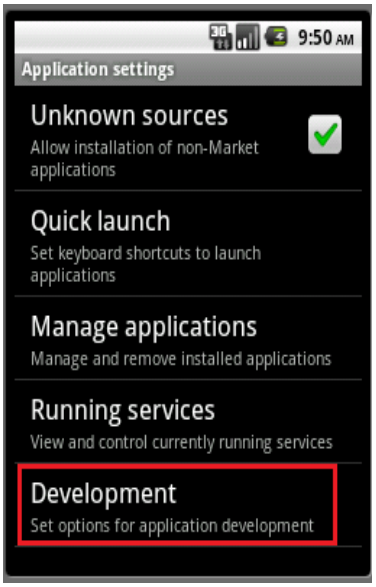


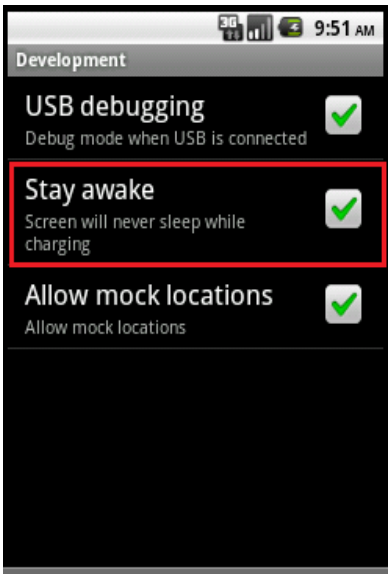


Keep awake setting

By default Android phone sleeps when there is no activity on screen. This also disconnects Wi-Fi and then Smartphone client cannot communicate with the server. Hence if you want to run the application continuously, you will have to do setting for keeping the SmartPhone awake.
Check Settings->Application->Development ->Stay Awake. This keeps screen ON while phone is charging.

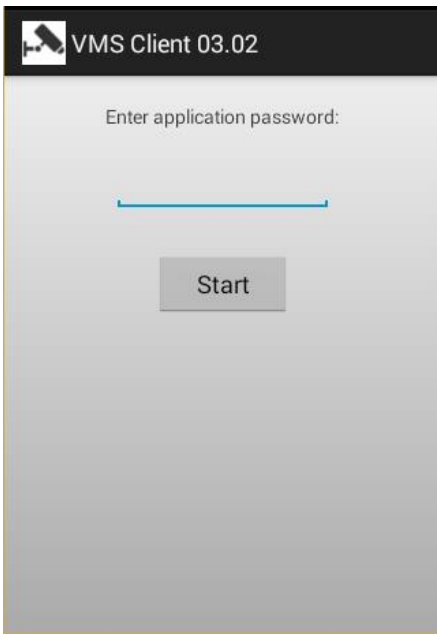




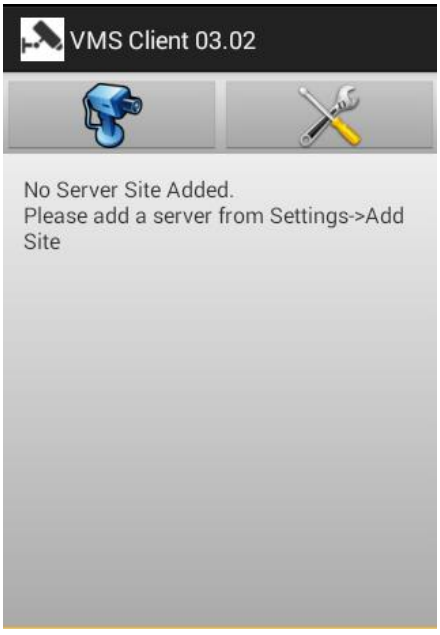


3. Login to Application

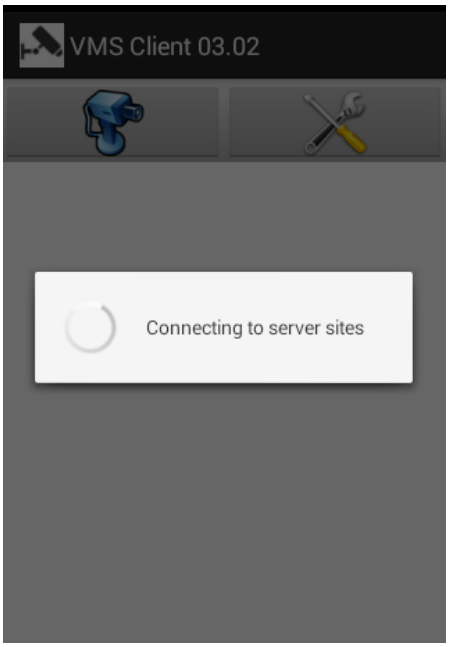
This is the first screen displayed when the SmartPhone client is launched.
The default password for the application is “mop” (without double quote characters).
This password can be changed after logging in to application from “Settings->Change Password”



When application is executed for the first time, no server site is added in client.
Hence application shows following screen.

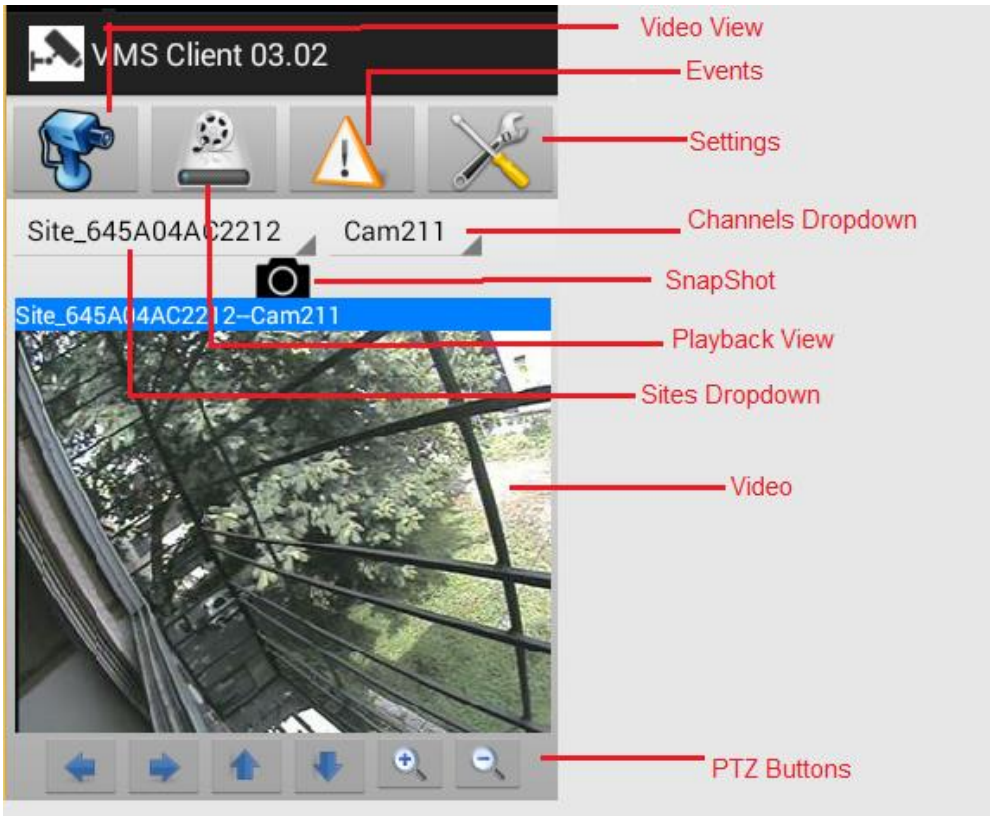


User can go to Settings->Add Site and add server sites to client application.
In subsequent application executions, if server sites are already added to client, then client tries to connect to the sites on launch.



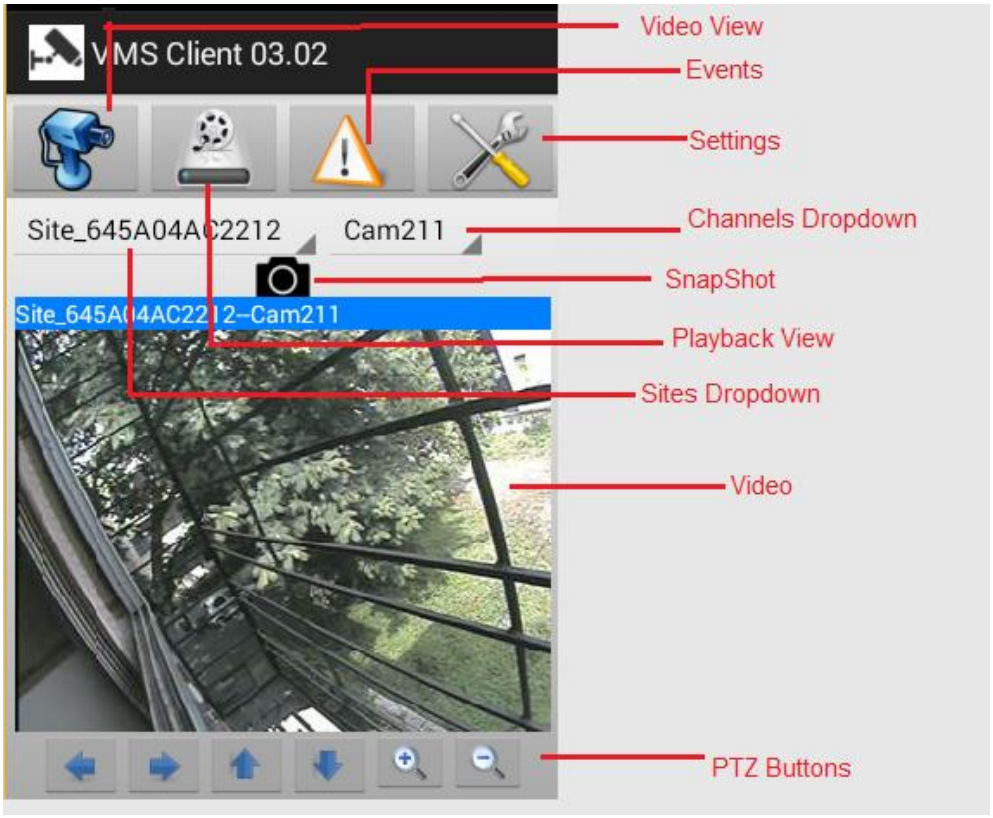
After the connection with sites is established, user can see the main application view.
The main application window has live video view, alarms view, playback view and settings view.

Note: If the user does not have privileges for "Playback" and "Recent Alarms", then "Playback View" and "Alarms View" tabs are not displayed.


VMS Client 03.02
Video View
Events
Settings
Site_645A04AC2212
Cam211
Channels Dropdown
SnapShot
Site_645A04AC2212–Cam211
Playback View
Sites Dropdown
Video
PTZ Buttons

4. Live View

- This view displays video streams for video channels in video groups which have “Smartphone Client” privilege.
- For more information on how to create camera groups and grant privilege, refer to ‘Section: Create Smartphone Client User’ in this document.
- User can select a site from “Sites Dropdown List” and view all the available channels for “SmartPhone Client” user in “Channels Dropdown List”.
- The video for that channel will be displayed to user.
- If user has added a site which is offline then the camera dropdown list shows “Not Connected”



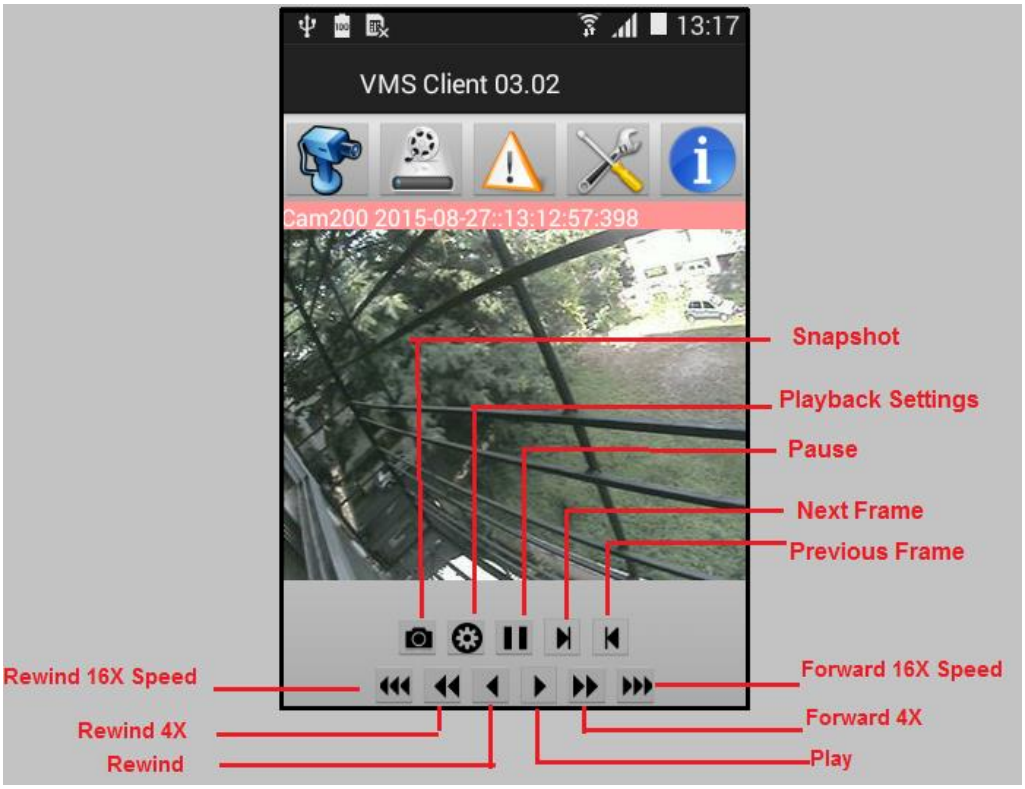
With top screenshot button you can take a screenshot image for the current video frame. The screenshot location on your mobile phone is shown on “Settings->Snapshot Settings” page. You can view the saved screenshots in “Gallery” of your mobile phone along with other images

If camera PTZ is enabled in VMS Server, then PTZ buttons are displayed in as shown. User can press the button to pan / tilt/ zoom the camera.

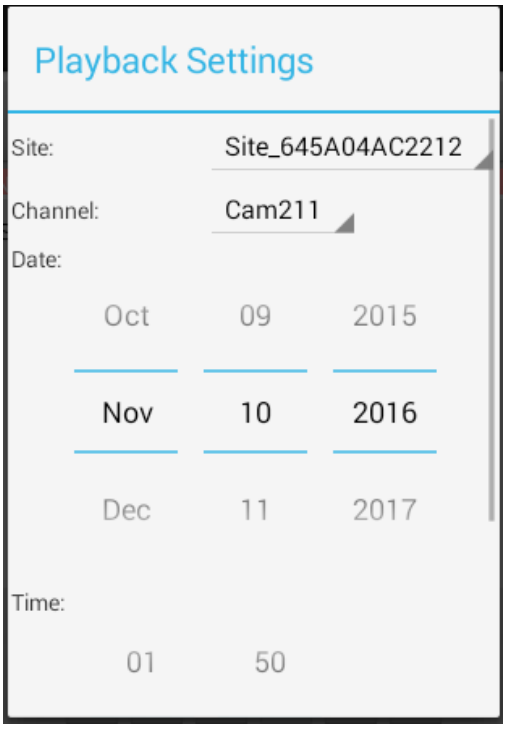
Note: If the user does not have privilege to access PTZ features, then PTZ buttons will not be displayed even if camera is PTZ enabled.

5. Playback View

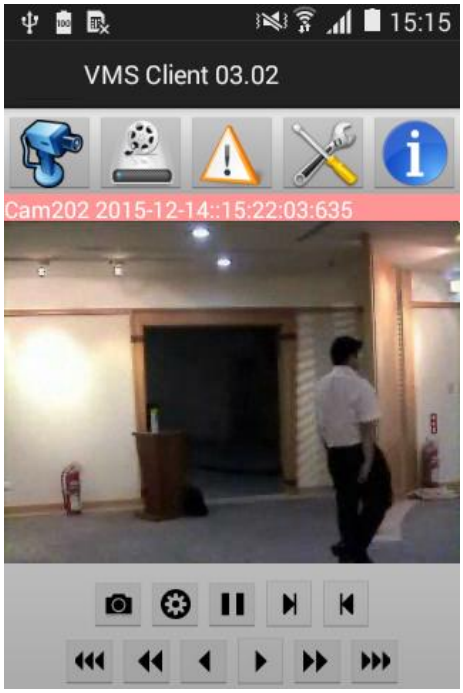
Note: If the user does not have privilege to access Playback features, then Playback tab on the top will not be displayed to user.



Playback can be started by selecting playback options with “Playback Settings”



User can set Site, Channel and playback start date and time for starting playback



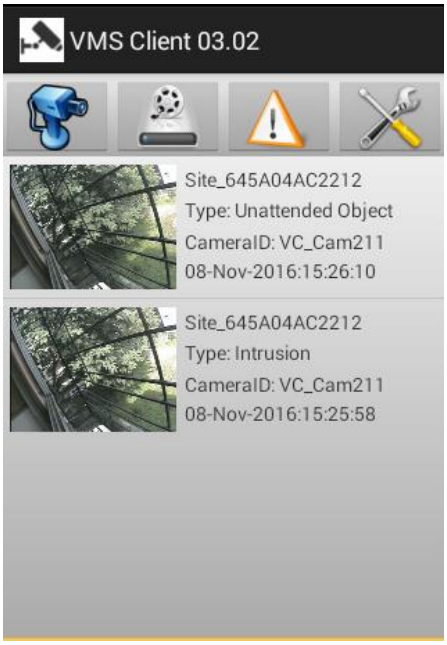
After the playback starts, user can fast forward and rewind the video by using buttons provides The video can also be paused and then played frame by frame.

Screenshots can be taken with screenshot button. The screenshot location on your mobile phone is shown on “Settings->Snapshot Settings” page. You can view the saved screenshots in “Gallery” of your mobile phone along with other images

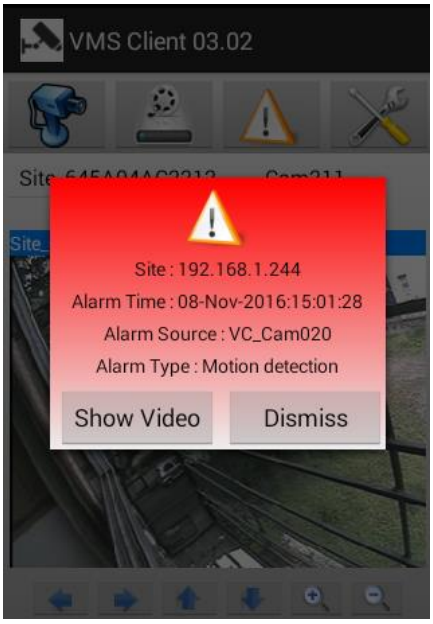
6. Alarms View

Note: If the user does not have privilege to access 'Recent Alarms', then Alarms tab on the top will not be displayed to user.

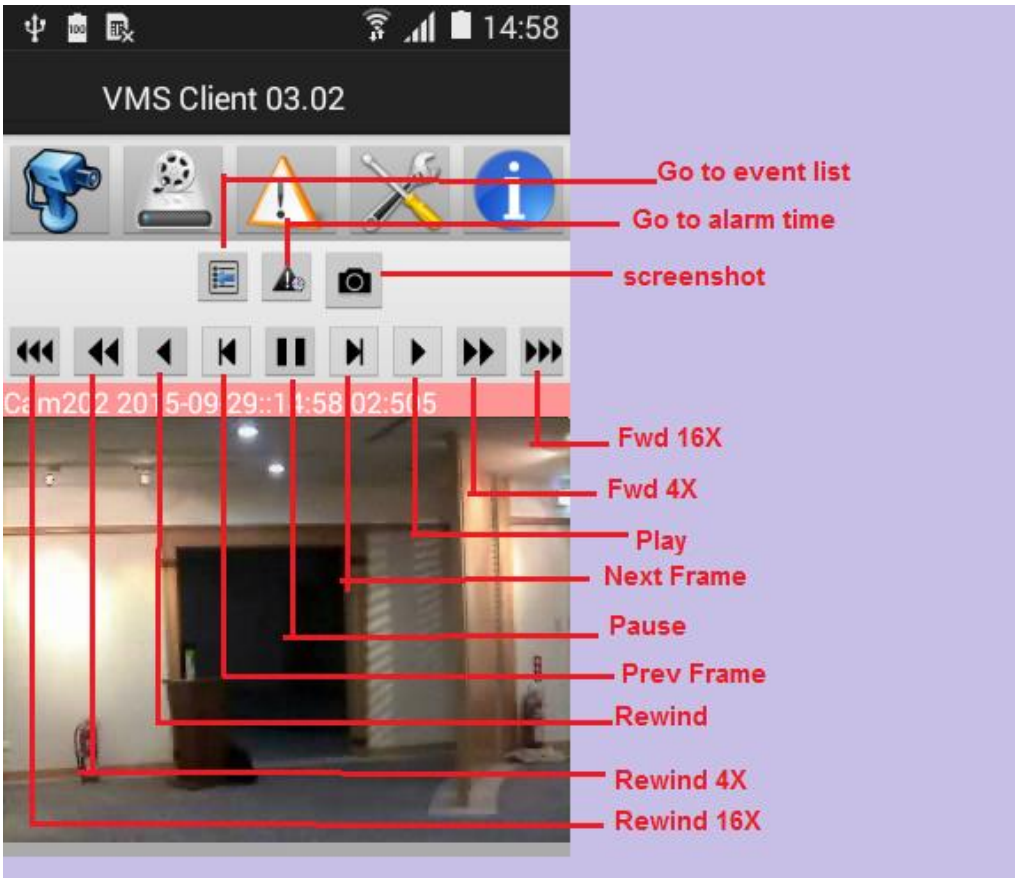
Alarms view shows the list of all the alarms that have happened at the server side.



When a new alarm is received, the application shows an alert to user if the user has "Alarm Notification" privilege.



If user has playback privilege, then clicking on the item in the list of alarms, opens the playback view and plays back recorded video for the camera at the alarm timestamp.

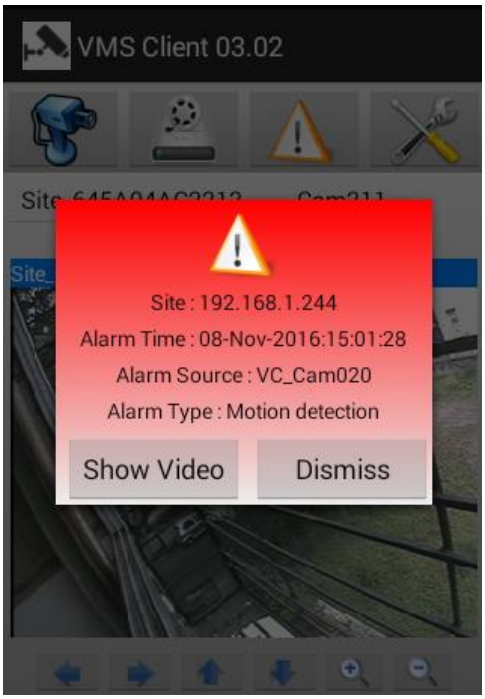


Clicking ‘Back to List’ button stops playback and shows the ‘Alarms View’ again. Clicking ‘Start from Event Time’ button starts the playback from event time.

This view also has playback controls for fast forward, pause, rewind and frame by frame playback as shown in above snapshot.

User can also take snapshot of current video frame with ‘Snapshot’ button.
The snapshot directory can be found out from “Settings” tab.

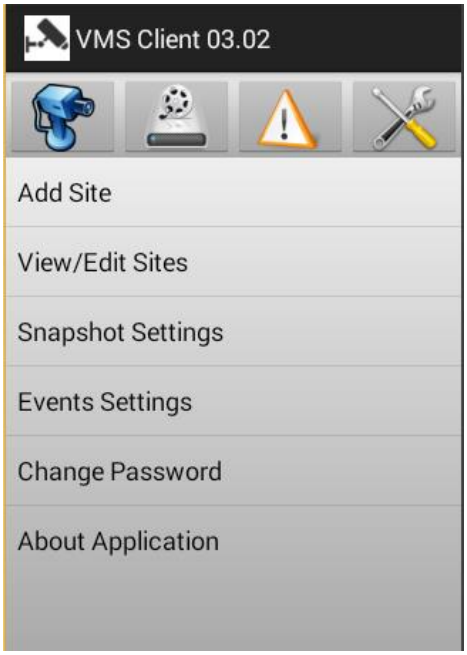
Note: If the user does not have privilege to get "Alarm Notification", then following notification will not be displayed to user.



Clicking "Show Video" shows live view for source of alarm
Clicking "Dismiss" closes event alert window.

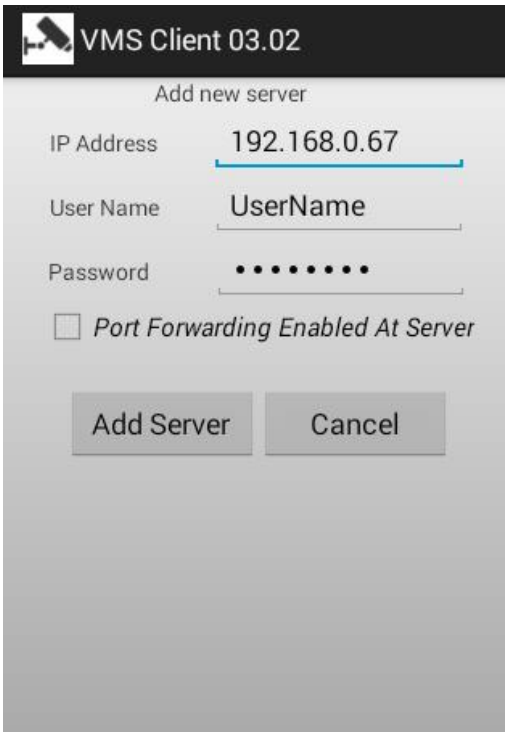
7. Settings View

Various application settings can be done from this menu. Please see the details of each setting option below



Add Site:

A new server site can be added to client with this setting. Clicking on “Add Site” opens following page



Please type the IP address used by the server software. Please refer to the ‘Security Management System Server – User Guide’ document, ‘Quick Start’ section for details on how to locate the IP address used by the server software.

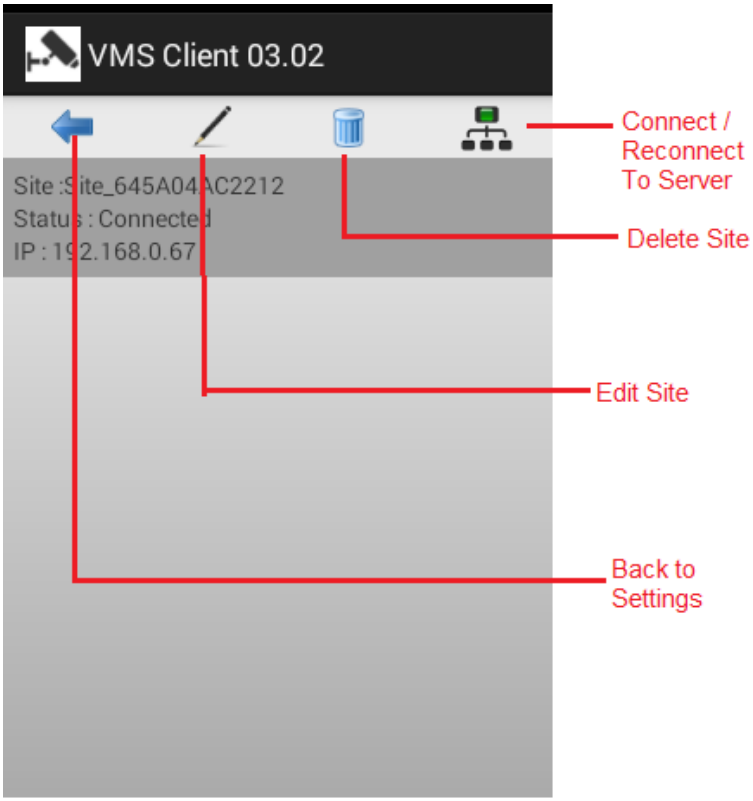
Important - Only users with ‘Smartphone Client’ privilege or the privilege derived from “Smartphone Client” privilege can connect from the SmartPhone client applications. Please refer to the section ‘Configuring Smartphone Client User in Security Management System server’, available in this document, for steps to add and configure a user with ‘Smartphone Client’ privilege or with a privilege derived from ‘Smartphone Client’ privilege in the Security Management Server.

Type the valid ‘User name’ and ‘Password’. This should match with the user configured in the server software, and the user should have the ‘Smartphone Client’ privilege or the privilege derived from “Smartphone Client” privilege.

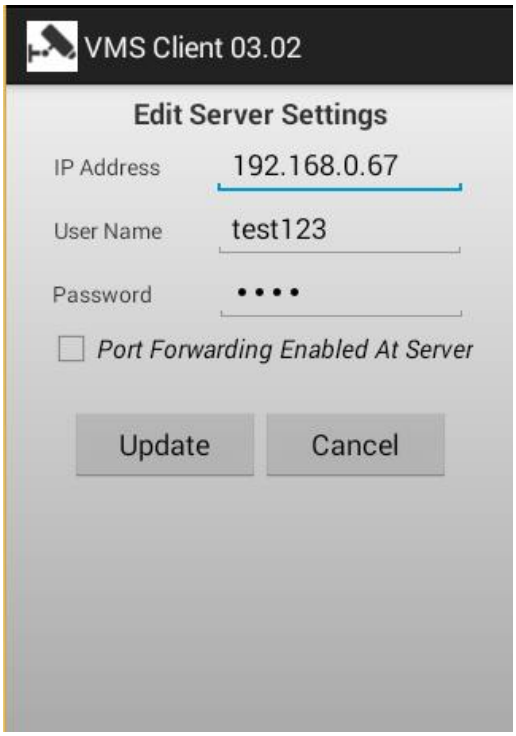
After user adds the site, it can be seen on the video view in “Site Dropdown” list.
The site is remembered across sessions.
In order to connect to the newly added site, the user has to go to Setting->View/Edit Sites page and connect to the site with connect button.

View / Edit site

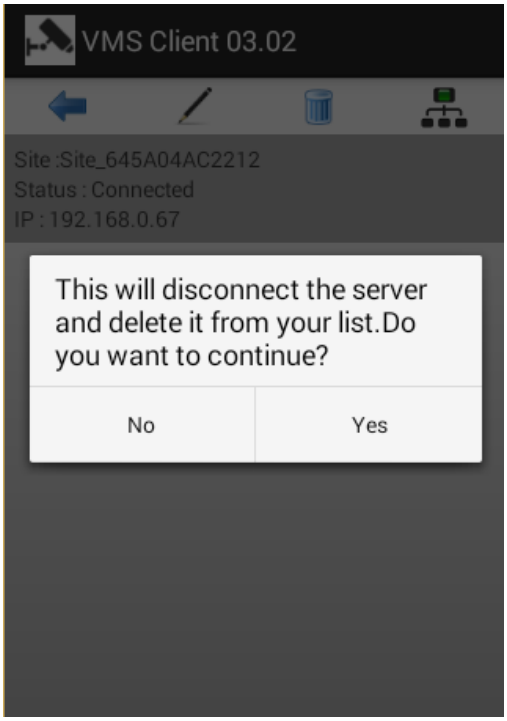
User can view / edit / delete a site with this option.
After user clicks on “View/Edit Site” on Settings page, following page is shown to user.



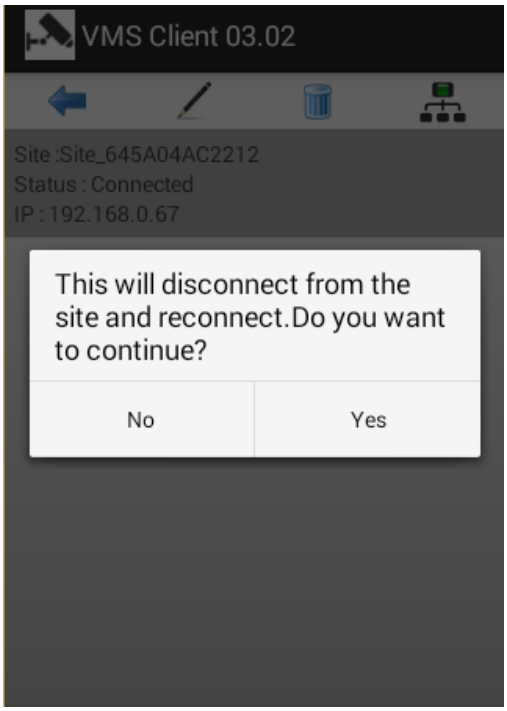
Clicking Edit, lets user edit the connection settings for selected site.



Clicking delete will delete the selected site from client's list



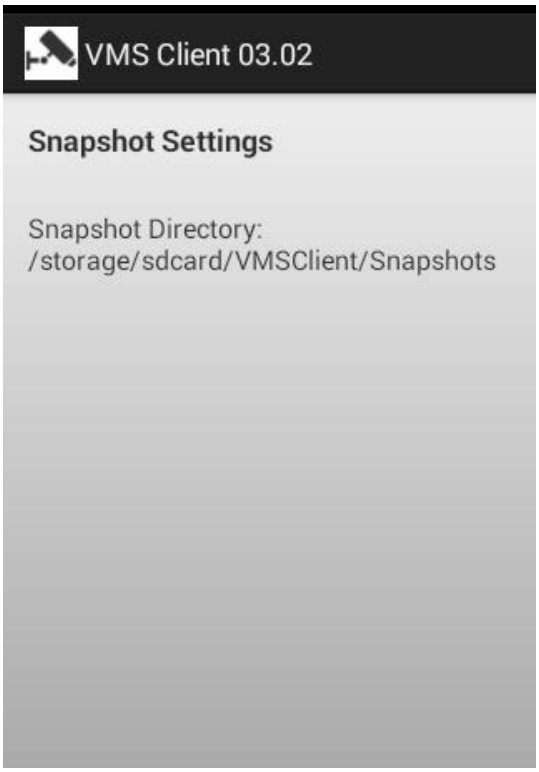
Clicking connect will connect / reconnect to the selected site



Clicking Back will take you to the Settings page.

Snapshot settings

This option opens Snapshot Settings view.

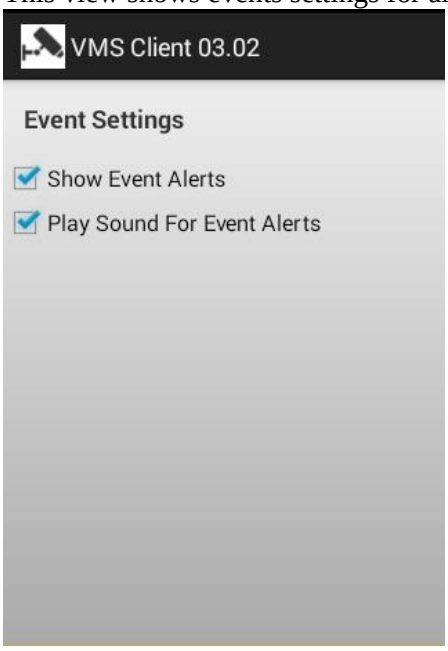


This view shows the location of snapshots saved on mobile phone.
The snapshots can be saved with “Snapshot” button on Video / Playback view.
This setting cannot be changed by user.

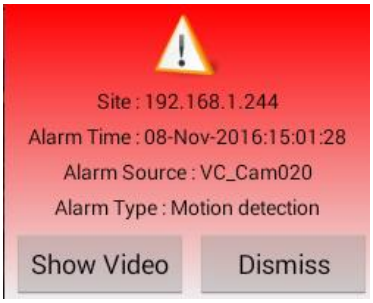
Events settings

Note: If the user does not have privilege to get "Alarm Notification", then "Event Settings" will not be displayed to user.

This view shows events settings for all the sites.

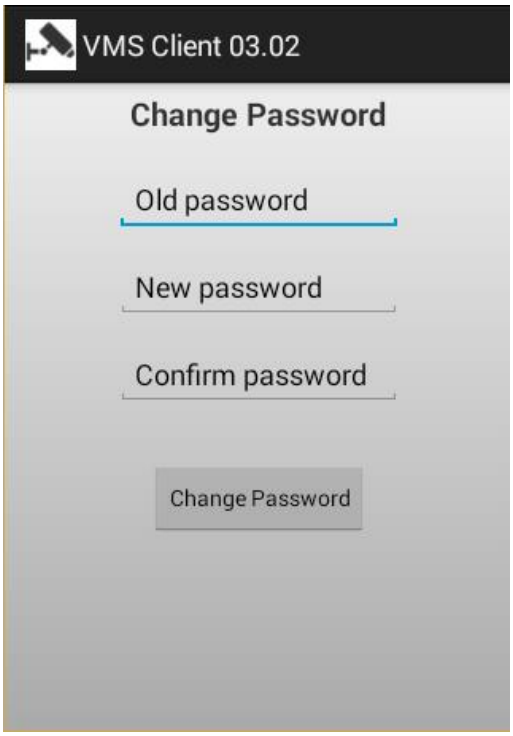


If "Show Event Alerts" is checked, then event alert window is shown when a new alarm is received



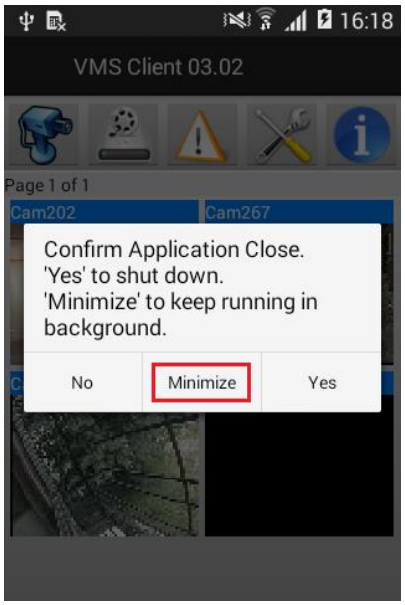
Change Password.

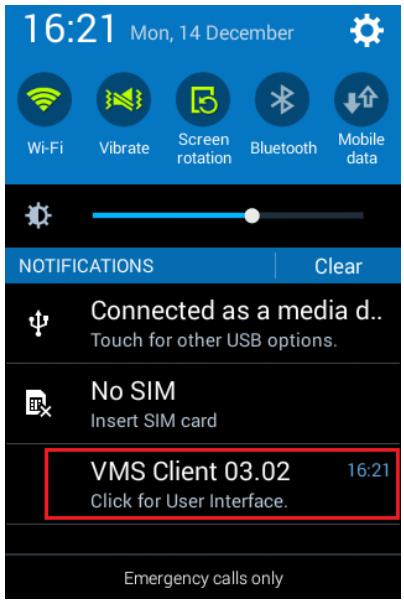
Application password can be changed from this page. Clicking “Change Password” shows following page to user.



8. Running VMS Client in background mode

User can close the user interface and video views and continue to run the application in background. User can click on back button, whenever he wants to close the UI.



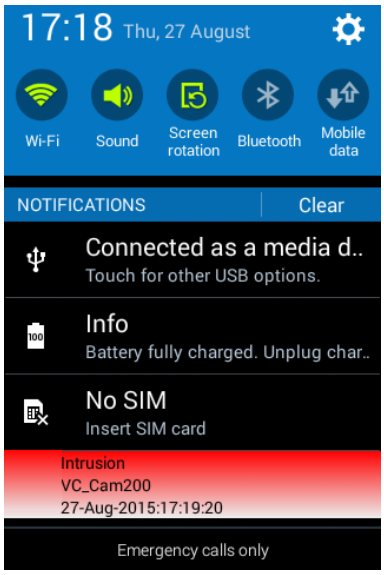


Clicking on “Back” button on phone shows following message. User can select “Minimize” to run VMS Client in background. An icon for the application is shown on status bar of the phone. User can expand status bar and click on application icon to launch the user interface.

Note: If the user does not have privilege to get “Alarm Notification”, then alarm notifications will not be received and displayed to user in minimized mode.

In ‘minimized’ mode the VMS Client, keeps checking for new alarms generated by server. Whenever a new alarm is received in minimized mode, a notification is shown on status bar. User can expand status bar by pulling it down and click on the notification to view the camera for which the alarm is received.

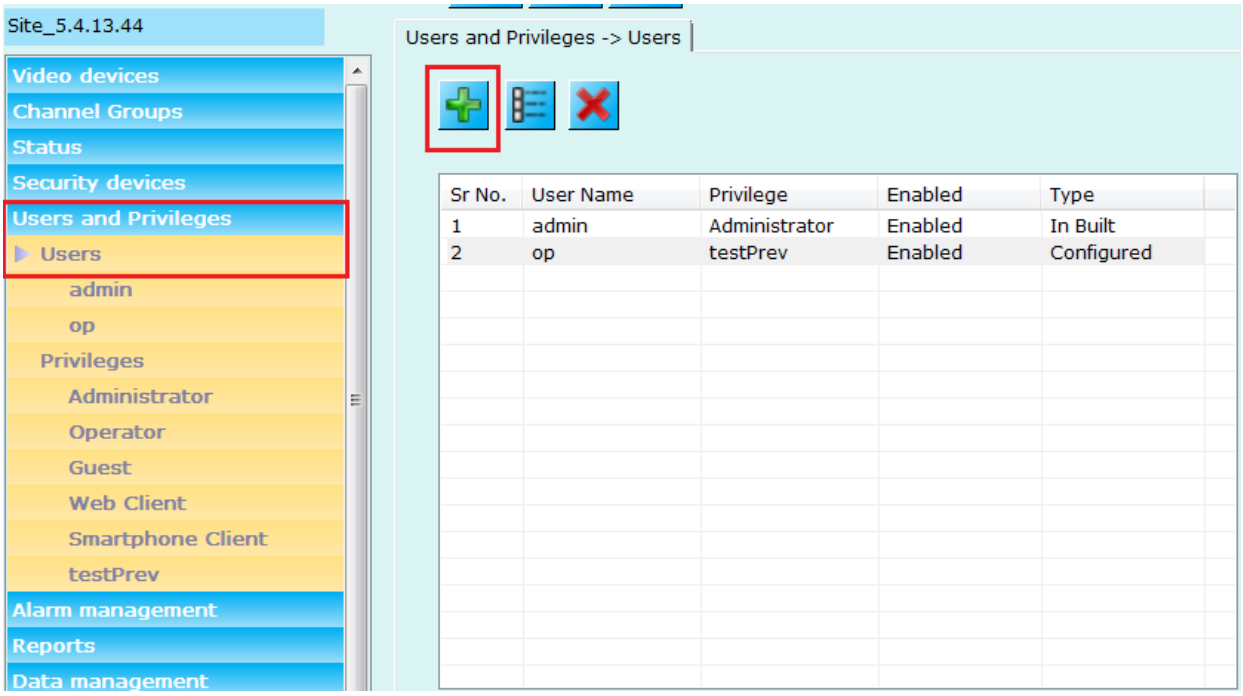
New Alarm Received
ChatON
17:18
Thu, 27 Aug
Tap to add city
Google
Camera
Play Store
Google


17:18 Thu, 27 August
Wi-Fi
Sound
Screen rotation
Bluetooth
Mobile data
NOTIFICATIONS
Clear
Connected as a media d..
Touch for other USB options.
Info
Battery fully charged. Unplug char..
No SIM
Insert SIM card
Intrusion
VC_Cam200
27-Aug-2015:17:19:20
Emergency calls only

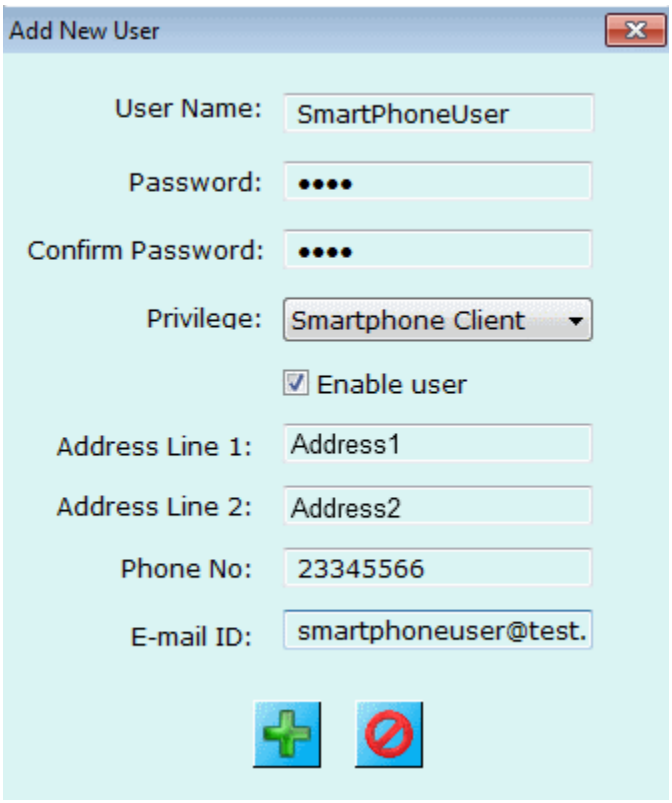
9. Configuring Smartphone Client User in Security Management System server

Create a user with Smartphone Client Privilege

- On Security Management System server, go to “Users” section under users and privileges



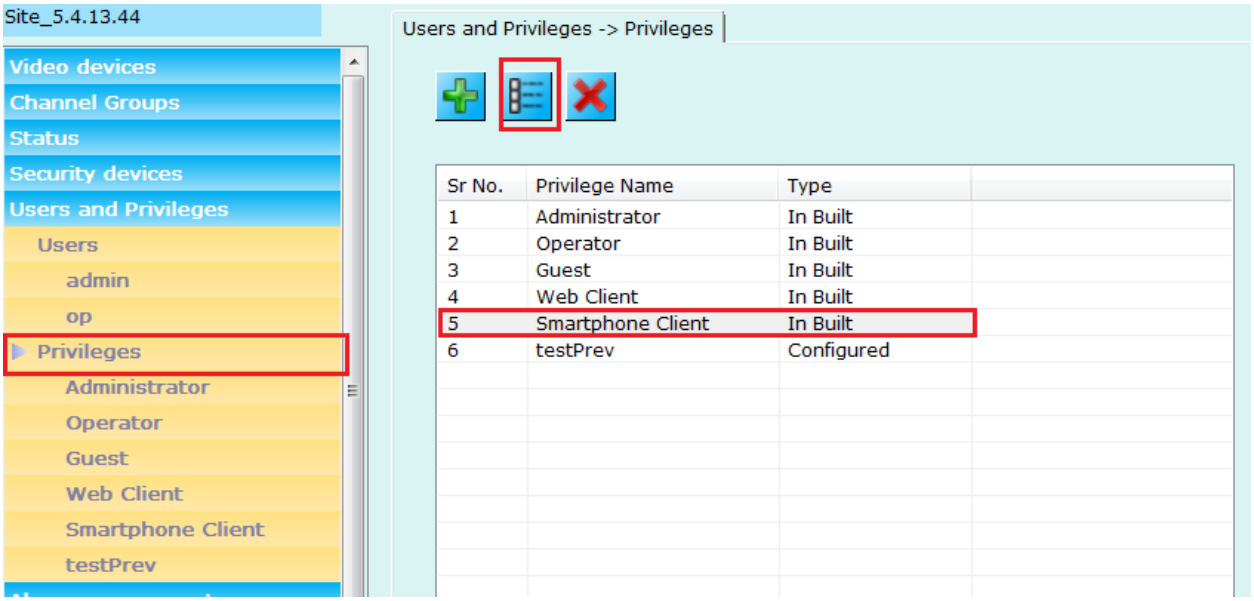
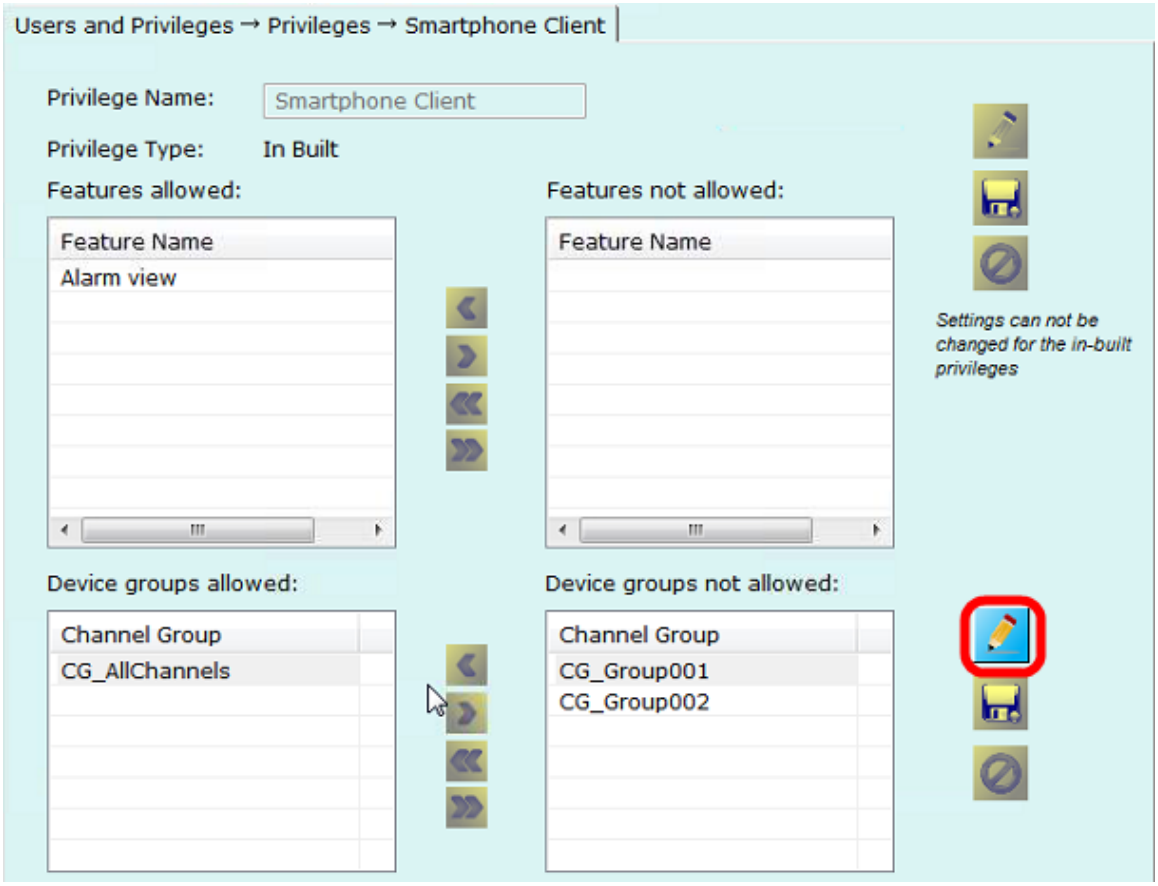
- Click Add new User



- Fill in the required information and select the privilege as “Smartphone Client”
- Click OK

Configure Channel groups for “Smartphone Client” privilege

- Click on “Privilege” under users and privileges section



- Select and edit “Smartphone Client” privilege
- Add required channel groups for this type of privilege