Infinova® V2217
Security Management System

Android SmartPhone Client
03.03.00 (Multi-site)

For Smartphones, PDAs and other hand-held devices which use Android 5.0 (or higher) Operating System

User Guide

October 2023

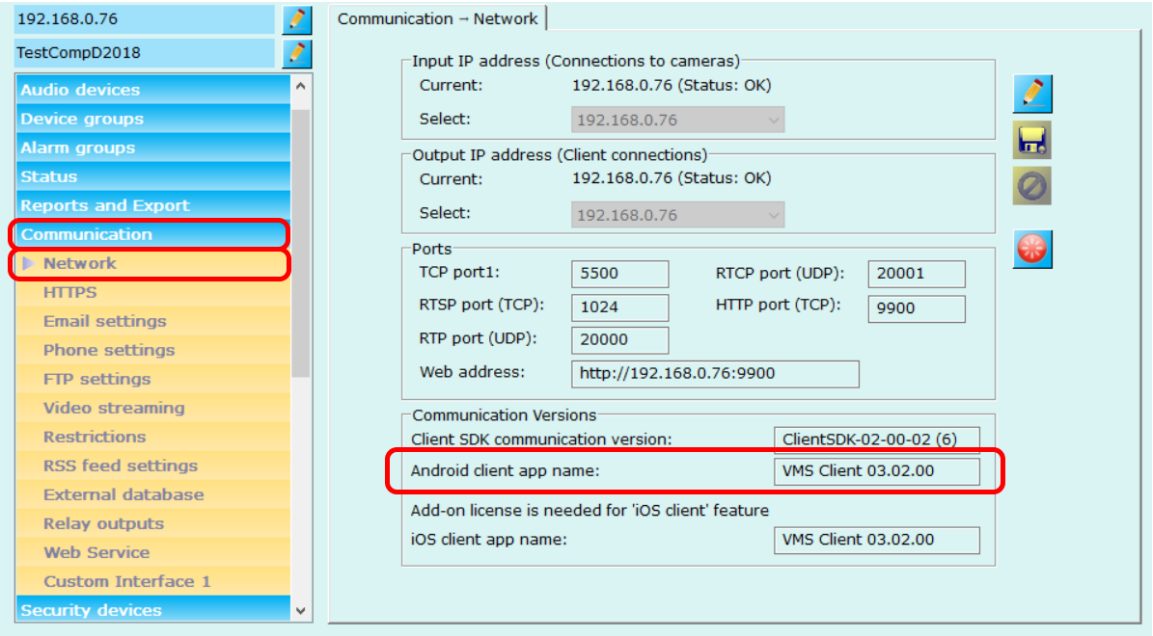
www.infinova.com

Introduction

This user guide is for ‘Android SmartPhone Client 03.03.00 (Multi-site)’ application which is listed as ‘VMS Client 03.03.00’ on the ‘Play Store’.

Please check the ‘Security Management System Server software’ version for compatibility with ‘VMS Client 03.03.00’ application.

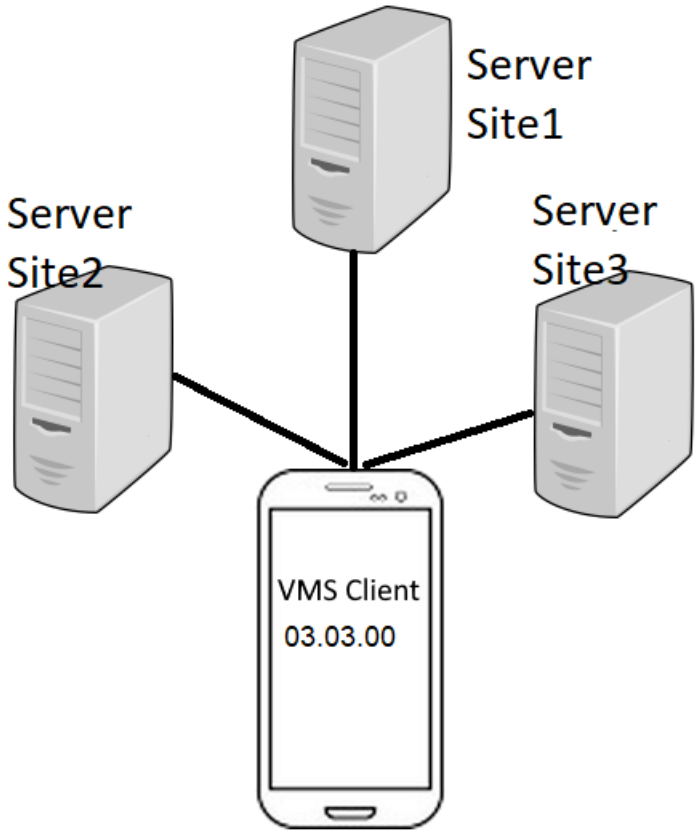
In the ‘Security Management System Server software’, please navigate to ‘Communication -> Network’ tab from the left hand side navigation menu.



Please confirm the ‘Android client app name’.
If the ‘Android client app name’ is ‘VMS Client 03.03.00’, this user guide is valid.
If the ‘Android client app name’ is different, this user guide is not valid. Please access the user guide associated with the ‘Android client app name’ displayed in the ‘Security Management System Server software’.

Architecture

VMS client 03.03.00 can connect to multiple 'Security Management System' servers and can provide access to different features, depending on the access privileges configured in the 'Security Management System' server software for the logged in user.

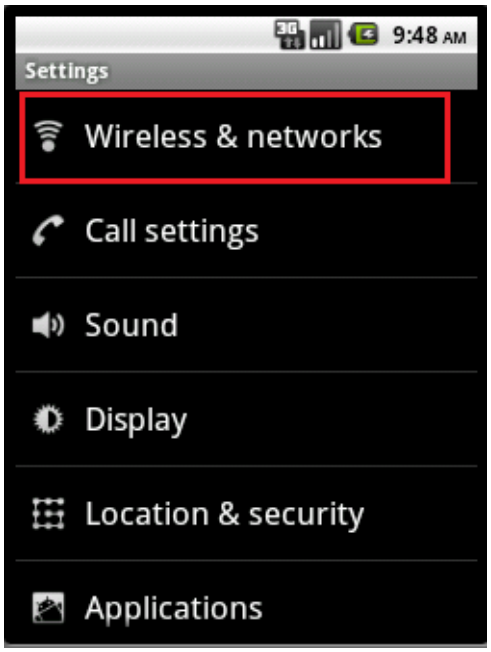


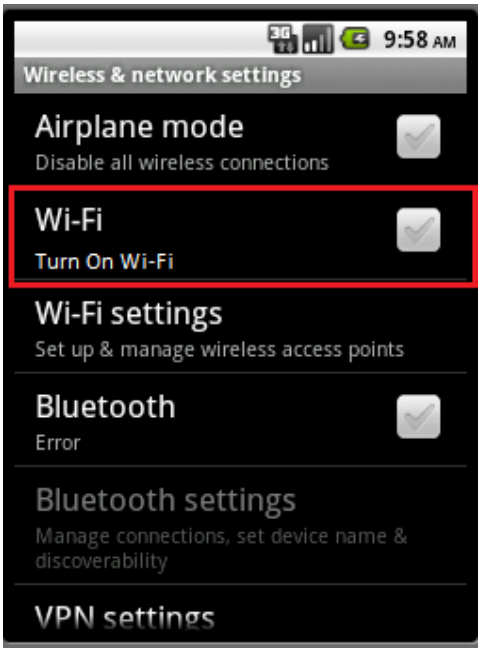
Settings and Installation

- Go to “Play Store” application on your android smartphone
- Search for “VMS Client 03.03.00”
- Click and install the application

Android Phone Settings

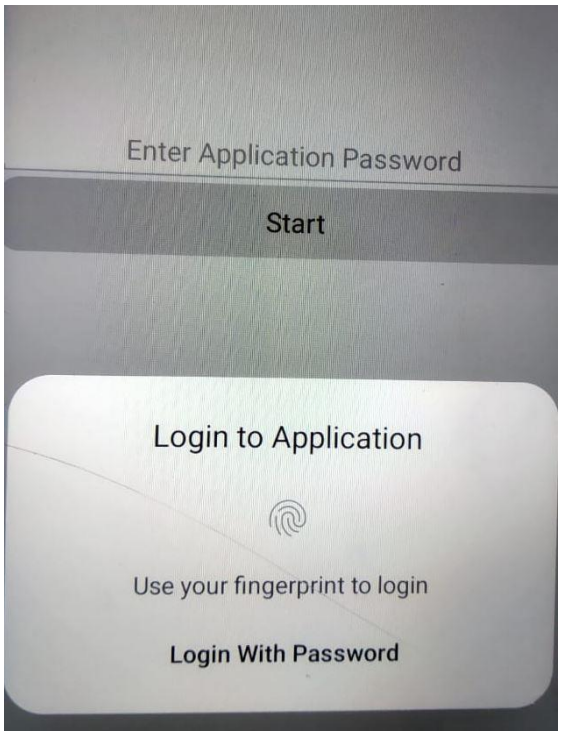
- Go to settings tab, select “Wireless and Networks” and select “Turn ON Wi-Fi”.
- It will detect the available Wi-Fi networks and then you can choose the correct Wi-Fi network





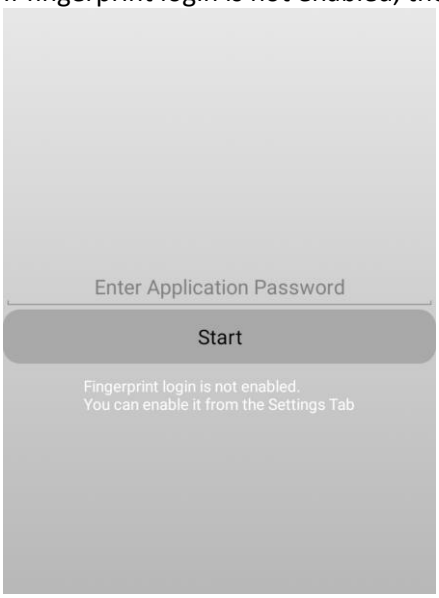
Login

This is the first screen displayed when the SmartPhone client is launched.
User can login with biometric validation using his fingerprint or application password

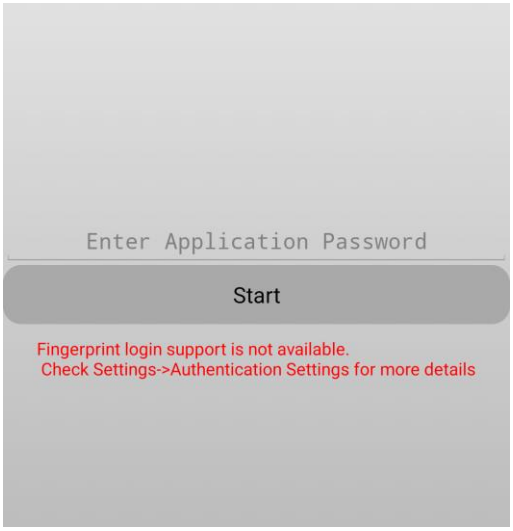


By default, login using fingerprint is disabled. User can enable it from “Settings->Authentication Settings” in application settings tab.

- If fingerprint login is not enabled, the message is shown to user



- If fingerprint support is not available on your phone, then the appropriate error message is shown

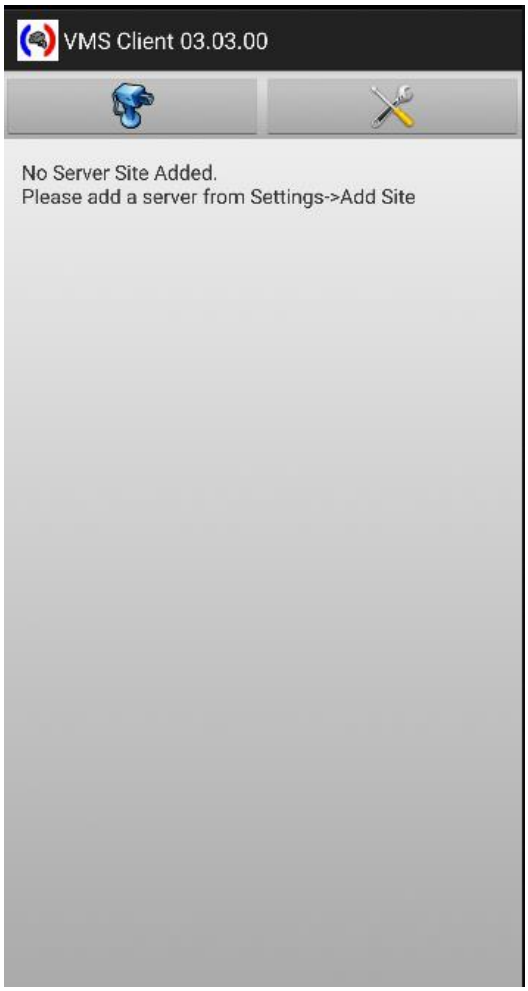


The default password for the application is “mop” (without double quote characters).
This password can be changed after logging in to application from “Settings->Authentication Settings”

Notes about fingerprint login support
To enable this in application,

- Your phone must have fingerprint sensors
- Your application must have the fingerprint added in your mobile’s security and privacy settings

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



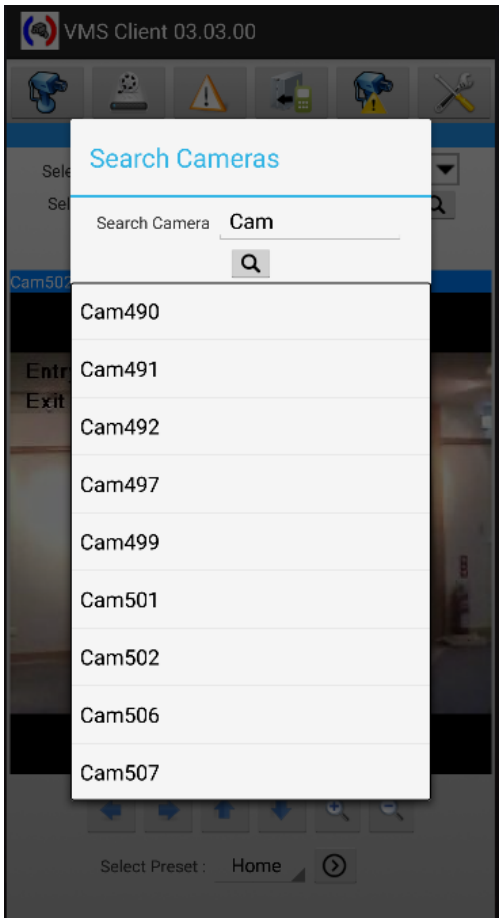
User can go to Settings->Add Site and add server sites to client application.
In subsequent application executions, if server sites are already added to client, then client tries to connect to the sites on launch.

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.

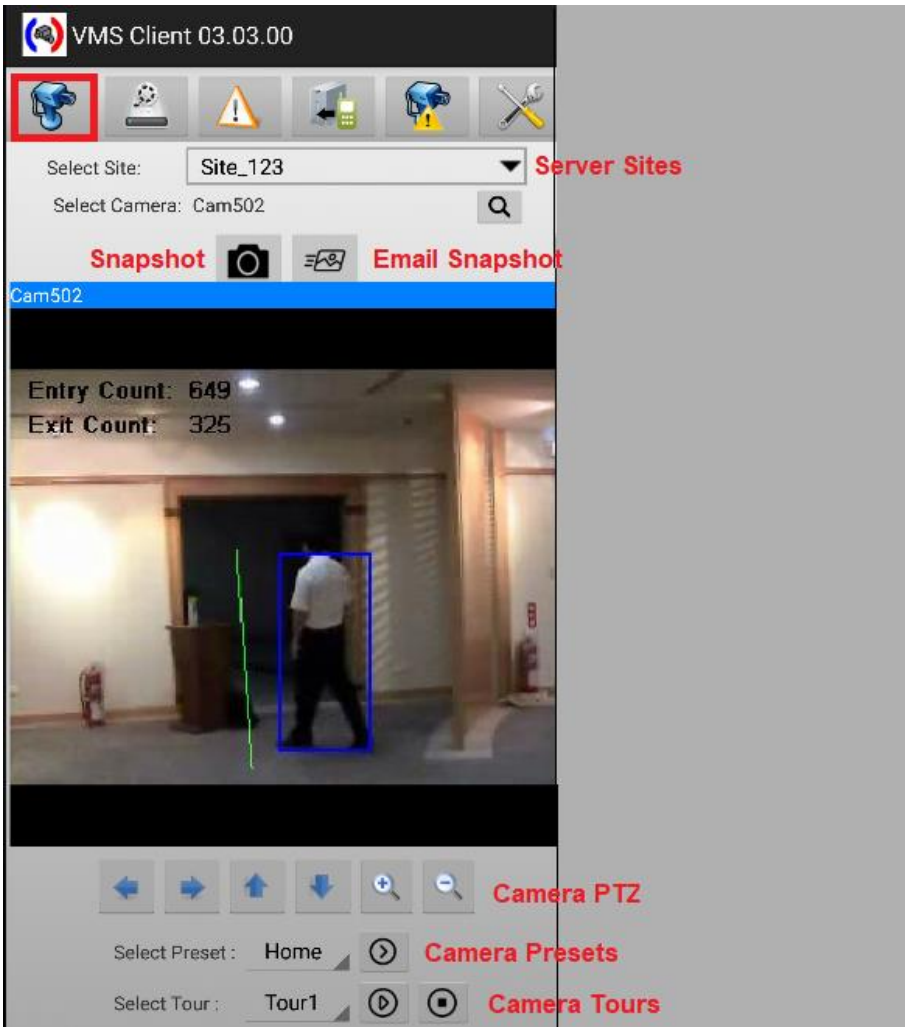
Note: If the user does not have privileges for "Playback" and "Recent Alarms", then "Playback View" and "Alarms View" tabs are not displayed.

Live View

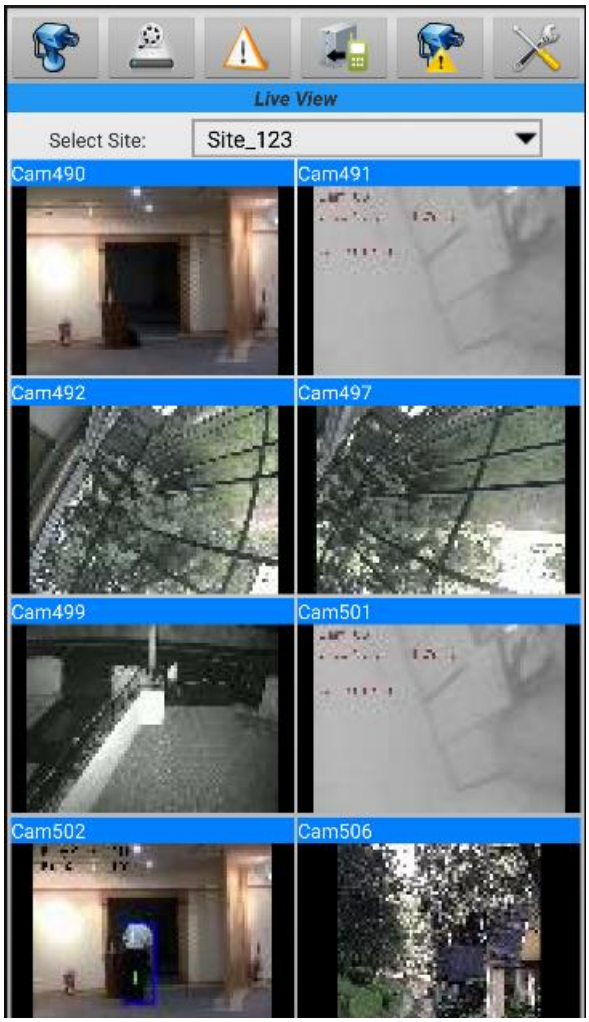
- This view displays video streams for video channels in video groups which have “Smartphone Client” privilege.
- For more information on how to create camera groups and grant privilege, refer to ‘Section: Create Smartphone Client User’ in this document.
- User can select a site from “Sites Dropdown List” and view all the available channels for “SmartPhone Client” user in “Camera 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”
- Camera Search: In full screen view, a particular camera can be search using the search button.



- Live view can be in
  - Full screen view
  - Grid View
- Tapping on a full screen video changes the Full screen view to Grid View
- Tapping on one of the videos in grid view shows that video in full screen view
- With swipe gestures, user can go to next and previous pages in both full screen and grid view.



1 Full screen view



2 Grid View

Video Screenshot: With top “Video 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.

Email Screenshot:

Only visible when “Enable E mail Communication” on Settings->Email Settings is enabled.

With top “Email Screenshot” button you can take a screenshot image for the current video frame. This screenshot will be sent by email as per settings done in Settings->Email Settings.

You can view the saved screenshots in “Gallery” of your mobile phone along with other images

Camera PTZ, Presets and Tours

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.

If camera presets are added for camera in VMS Server, then presets as shown. User can select a preset in the list and can click on the button (⊙) to go to that preset

Note: If the user does not have privilege to access camera presets, then preset list will not be displayed.

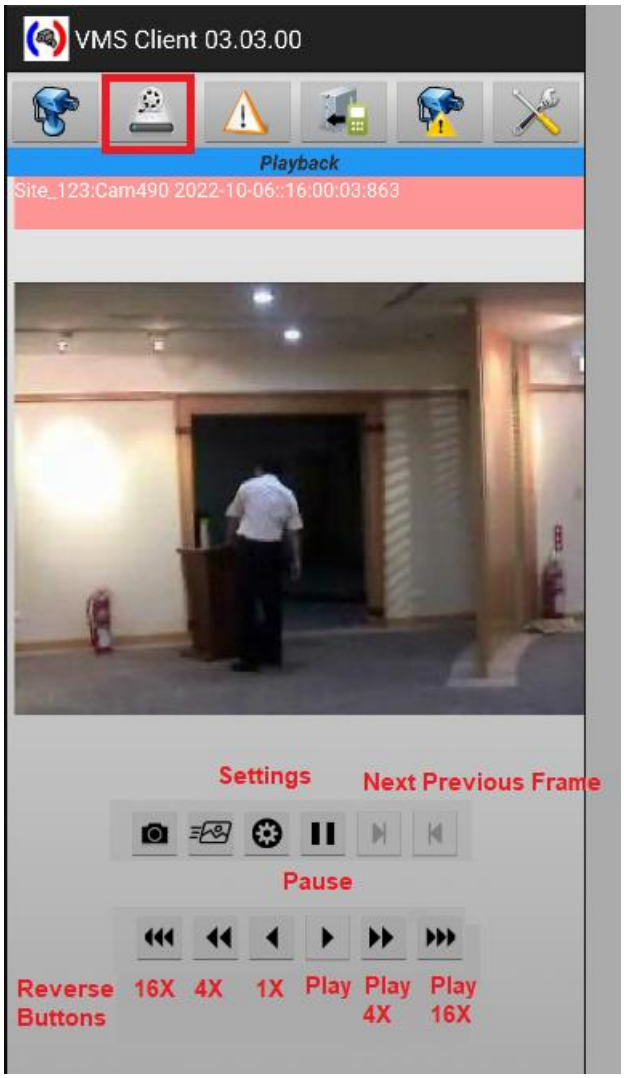
If preset tours are added for camera in VMS Server, then tours are shown in the list. User can select a tour in the list and can click on start button ⊙ to start the tour. To stop the tour, click on stop button ⊙ .

Note: If the user does not have privilege to access camera tours, then tour list will not be displayed.

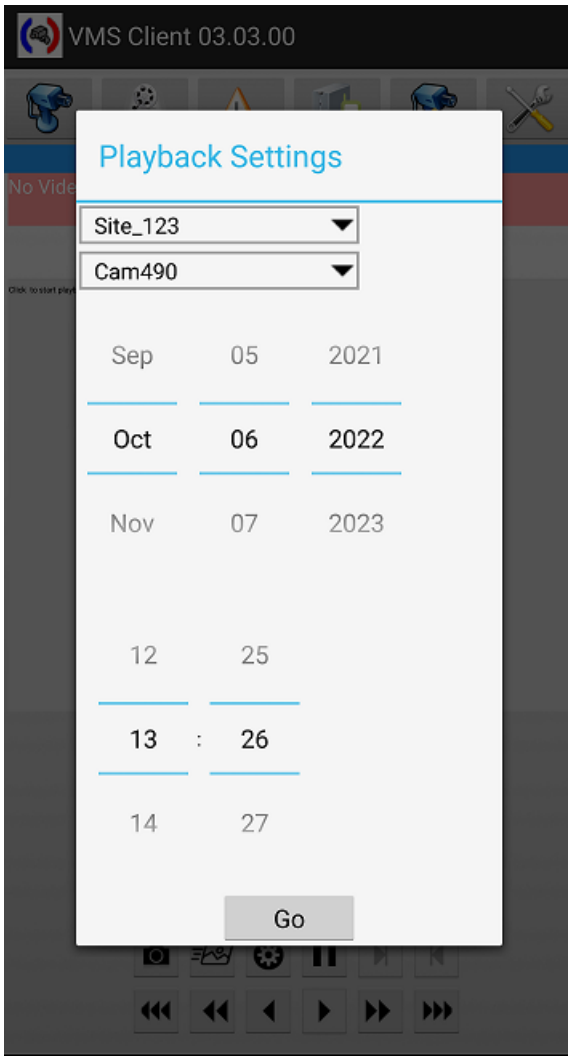
Video Search

Playback View

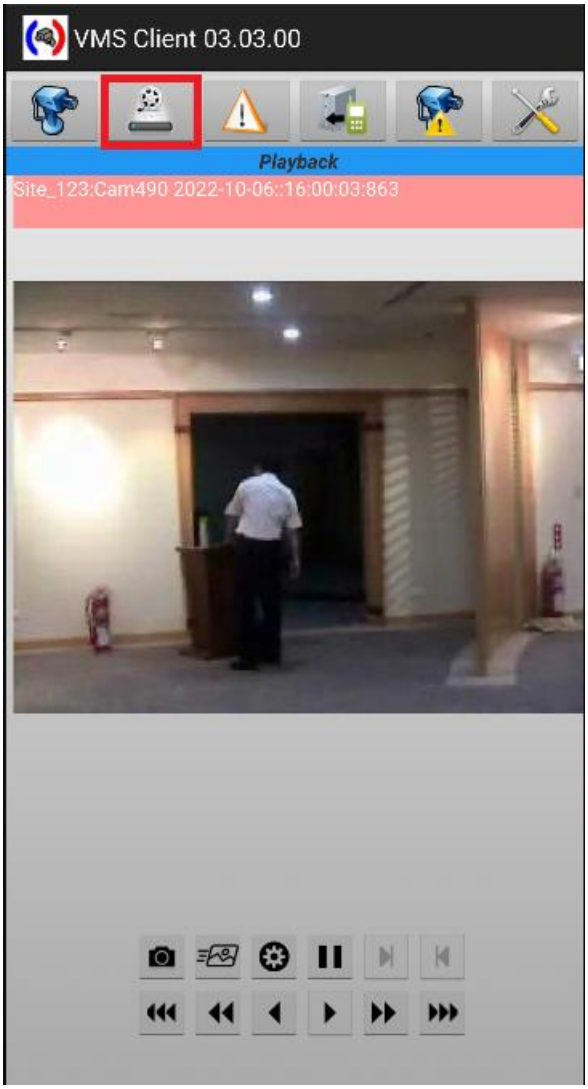
Note: If the user does not have privilege to access Playback features, then Playback tab on the top will not be displayed to user.



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 provided below the video window.

The video can also be paused and then played frame by frame with previous and next frame buttons

Screenshot: 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.

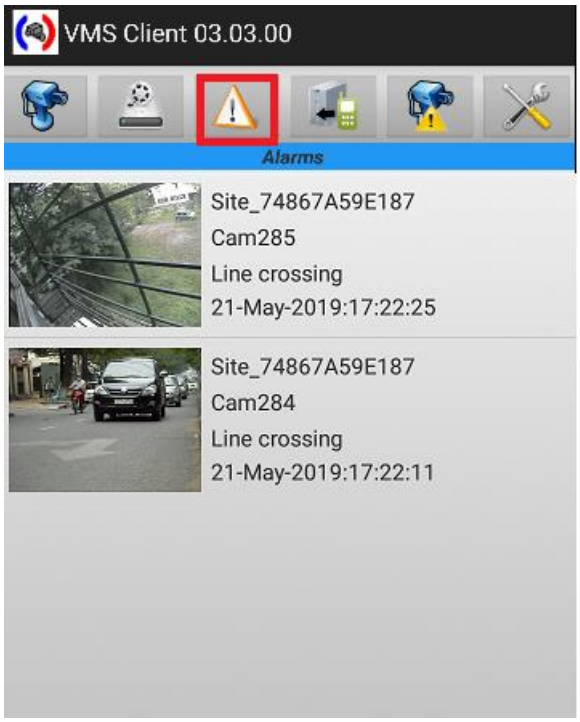
Email Screenshot:
Note: Only visible when “Enable E mail Communication” on Settings->Email Settings is enabled.

With top “Email Screenshot” button you can take a screenshot image for the current playback video frame. This screenshot will be sent by email as per settings done in Settings->Email Settings. You can view the saved screenshots in “Gallery” of your mobile phone along with other images.

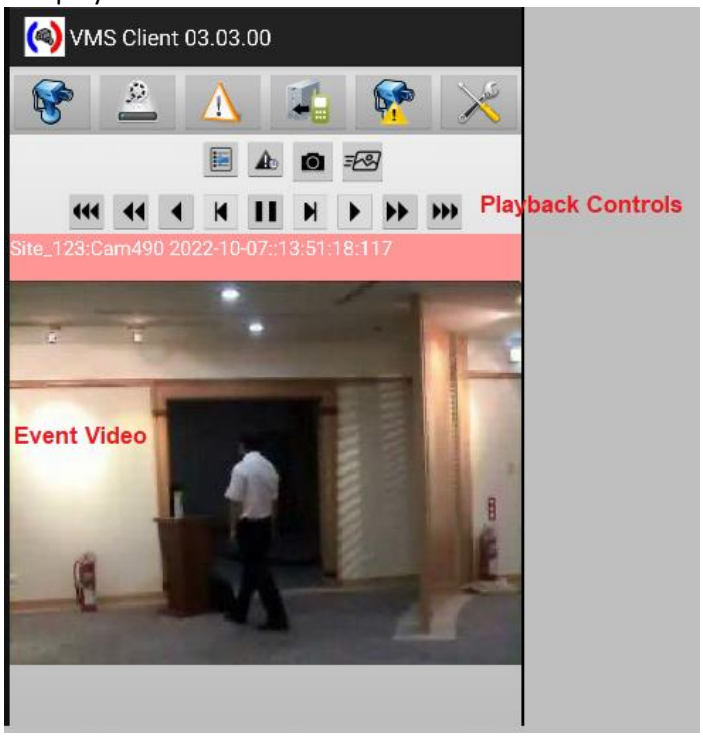
Alarms View

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.

User can email the snapshot of current video frame with ‘Email Snapshot’ button.
This is available only if email preferences in Settings->Email Settings are enabled

Stream video to server

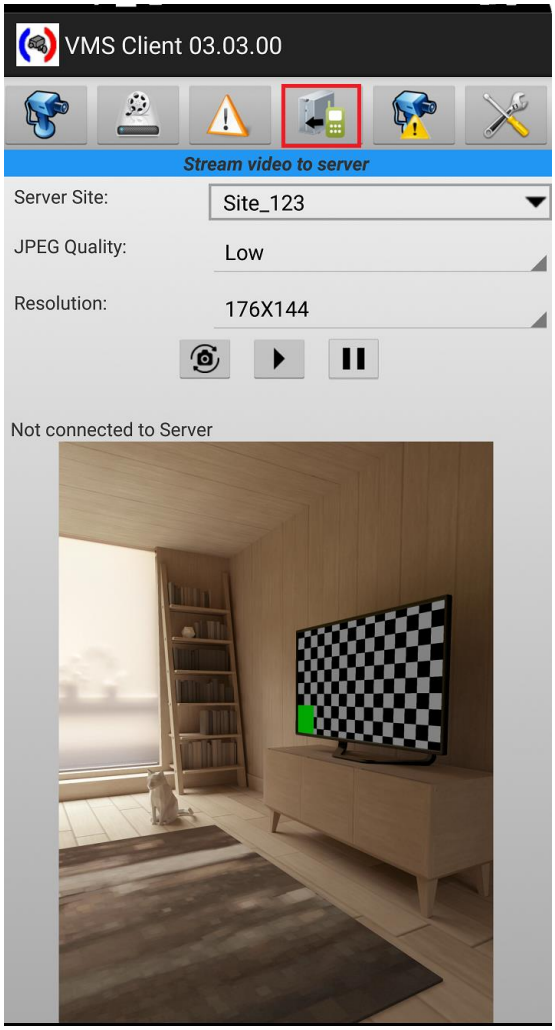
Note: Only visible if an external video channel is added to VMS server for the logged in user name

This feature provides the ability to capture video frames from mobile camera and stream it to VMS server selected from the dropdown list on top.

Video will be streamed as jpeg frames and its size and quality can be set from the dropdown list given.

User can switch

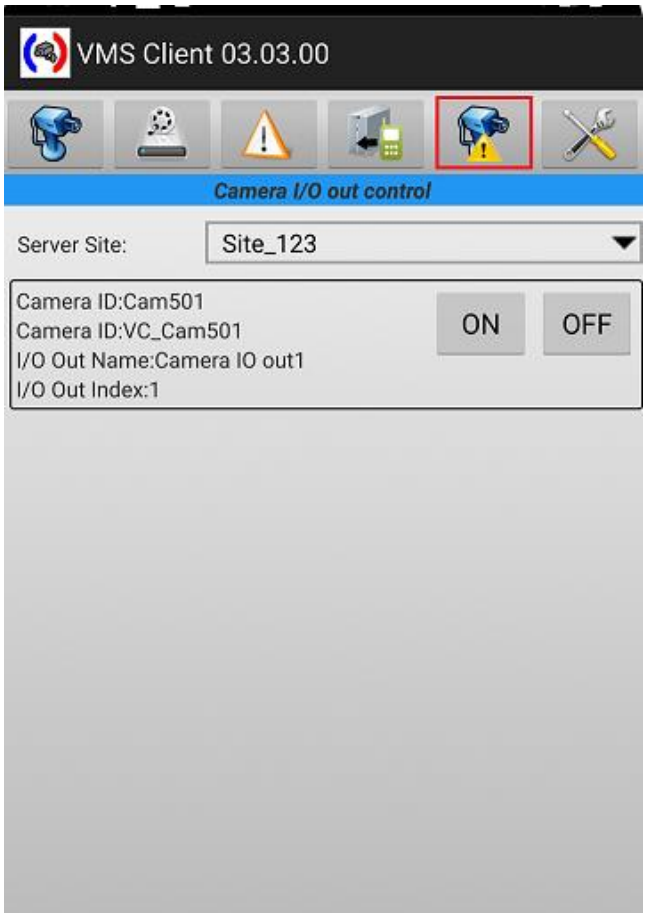
This feature is available only if the VMS server has an external video channel added to it for the current smartphone user.



Camera I/O

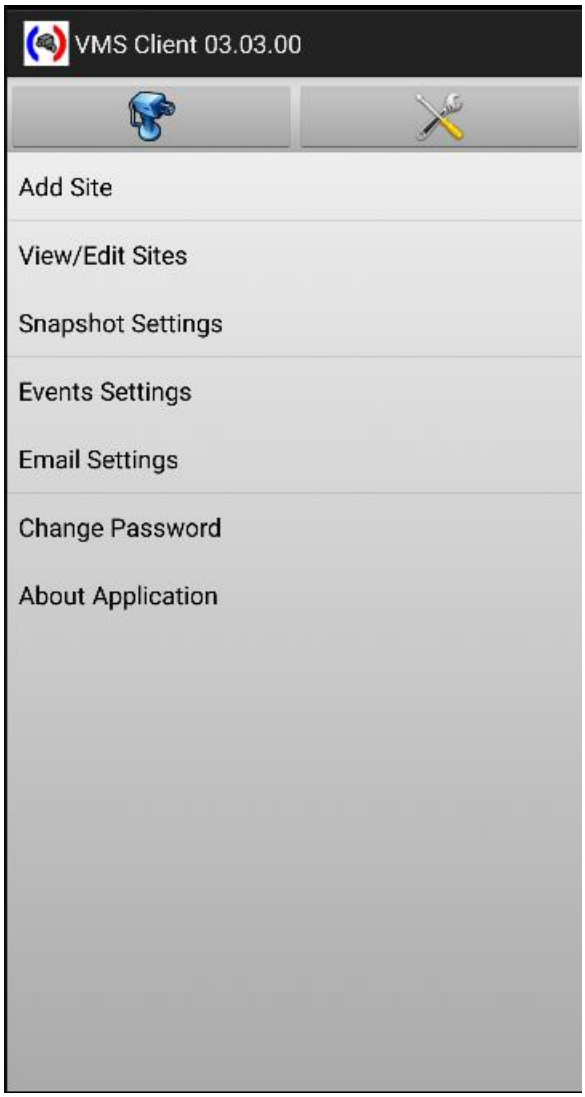
Note: Only visible if the logged in user has privilege to access camera I /O features.

Camera I/O commands can be sent from this view.



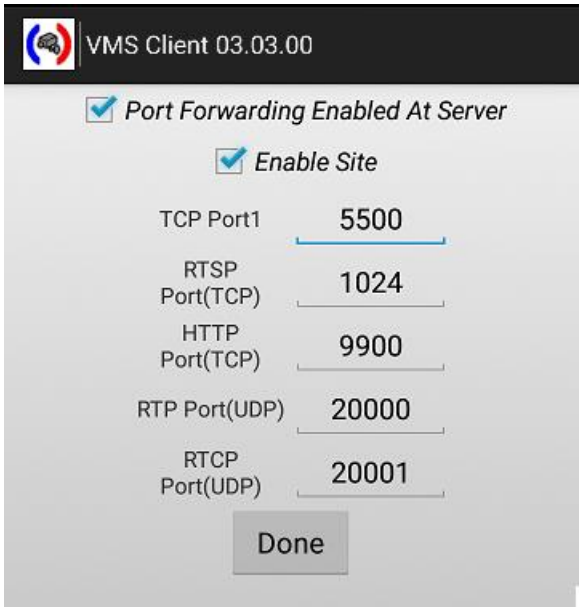
Settings View

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’

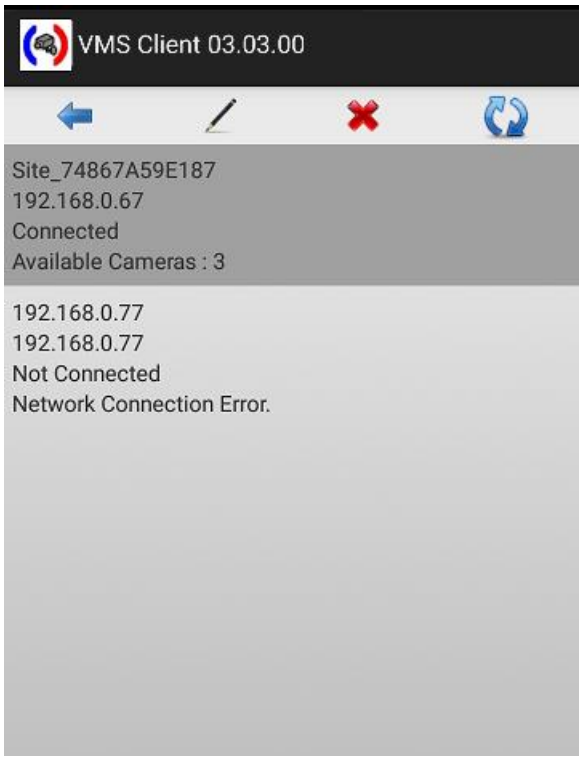
privilege or with a privilege derived from 'Smartphone Client' privilege in the Security Management Server.

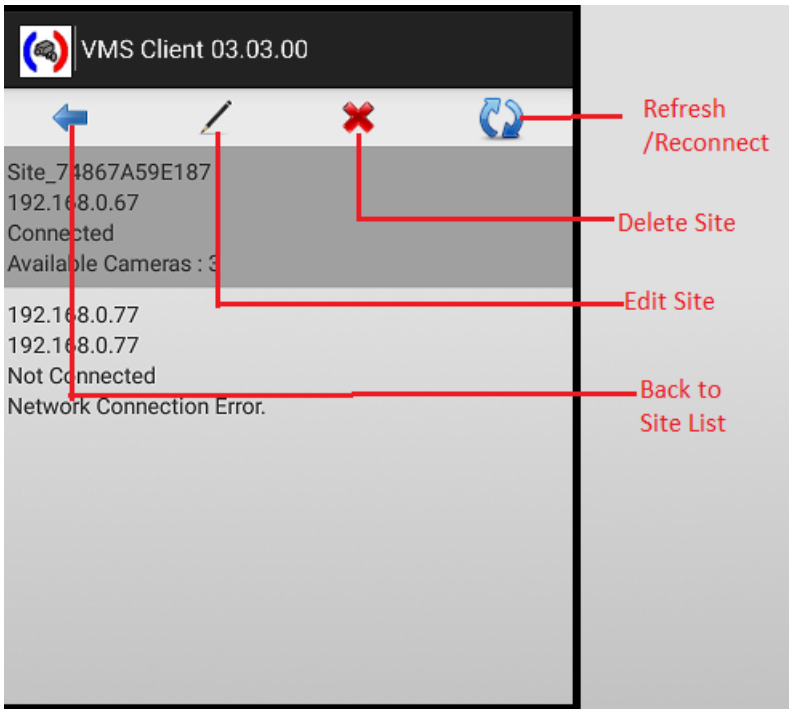
Type the valid 'User name' and 'Password'. This should match with the user configured in the server software, and the user should have the 'Smartphone Client' privilege or the privilege derived from "Smartphone Client" privilege.

After user adds the site, smartphone client tries to connect to the site. The site can be seen on the video view in "Site Dropdown" list.
The site is remembered across sessions.

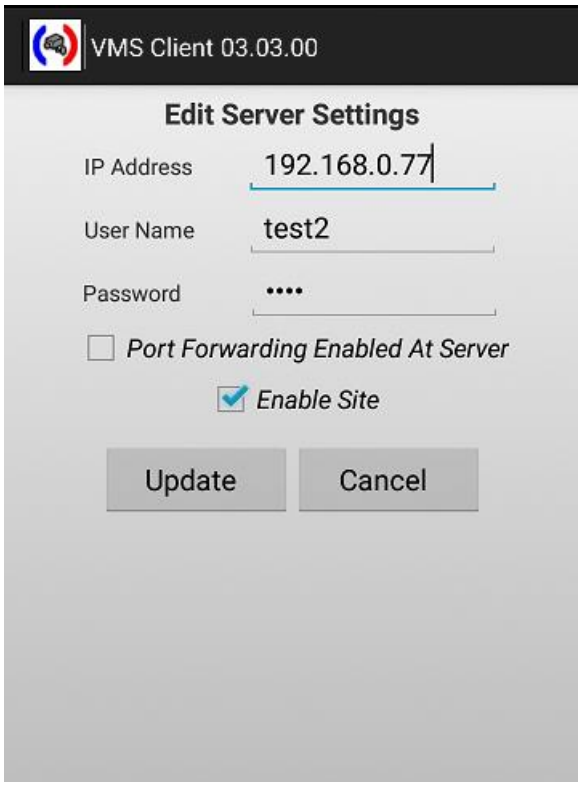
View / Edit site

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.

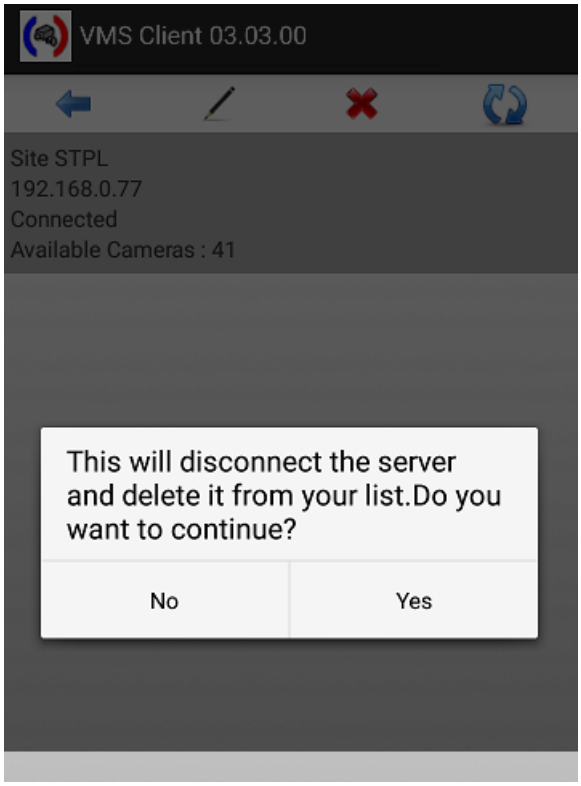




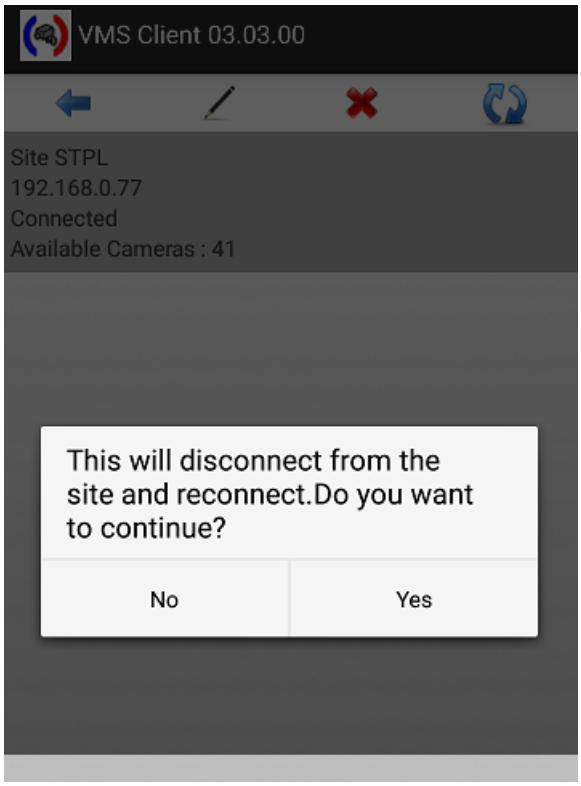
Clicking Edit, lets user edit the connection settings for selected site.



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



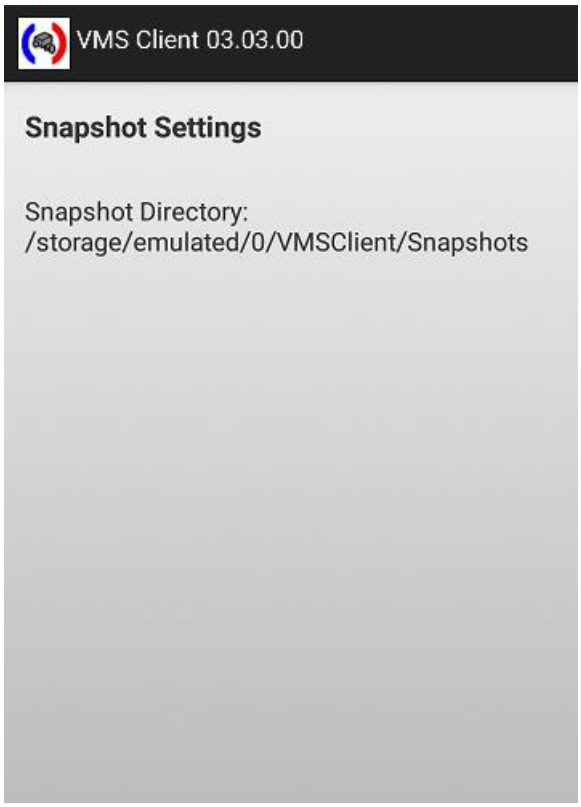
Clicking connect will connect / reconnect to the selected site



Clicking Back will take you to the Settings page.

Snapshot settings

This option opens Snapshot Settings view.

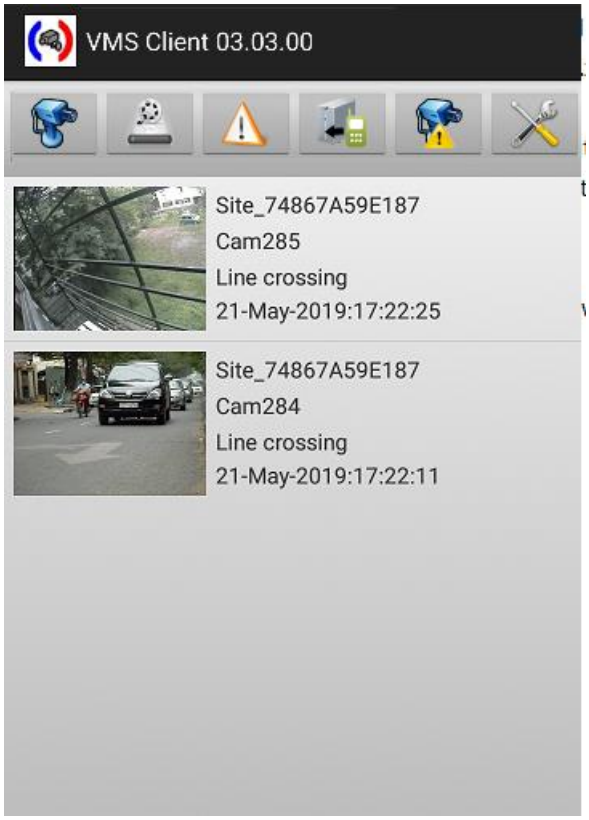


This view shows the location of snapshots saved on mobile phone.
The snapshots can be saved with “Snapshot” button on Video / Playback view.
This setting cannot be changed by user.

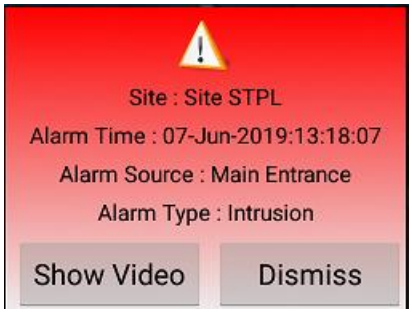
Events settings

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.

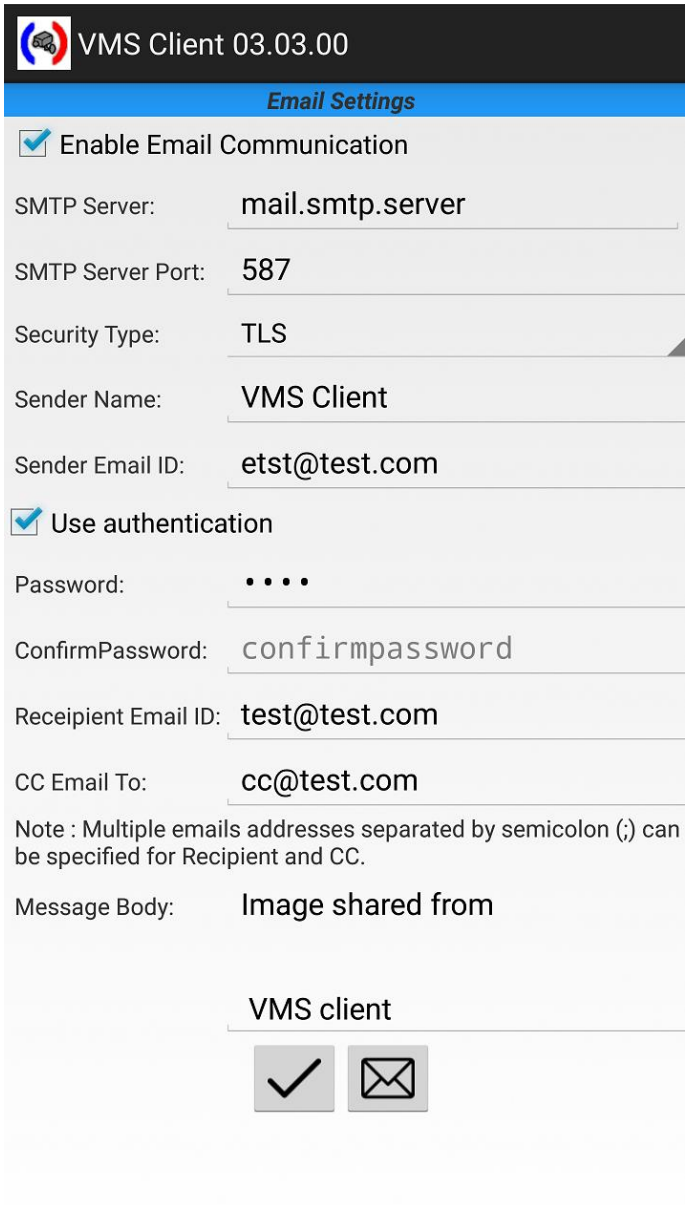


If "Show Event Alerts" is checked, then event alert window is shown when a new alarm is received



Email Settings

VMS Client 03.03.00 can send a video screenshot by email to specified email address. The email preferences can be set with email settings as shown below



Clicking on “save” button ✓ saves the settings across sessions and will be used to send screenshots by email

With “Send Test Email” button ✉, you can send a test email for above settings

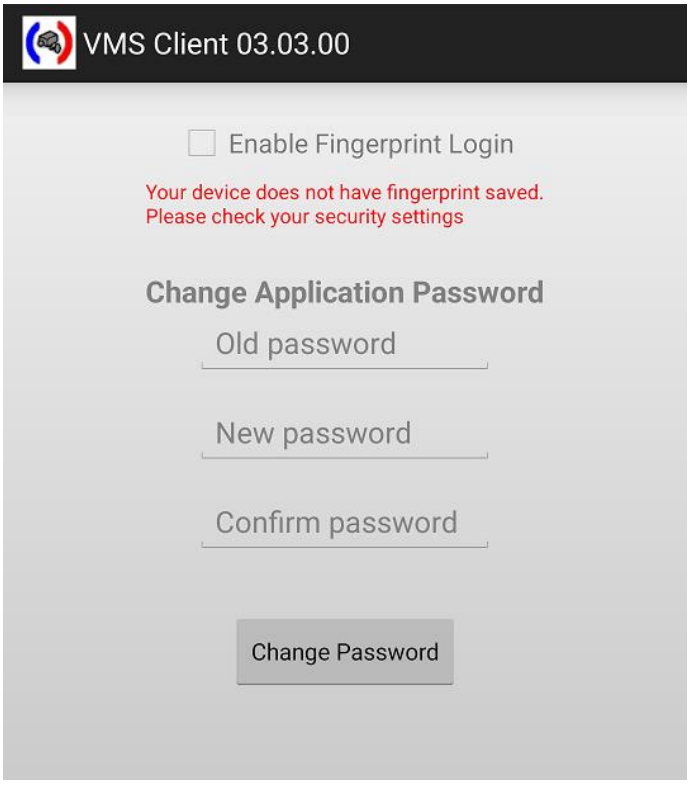
Authentication Settings

1. Enable Fingerprint Login

   If your phone does not have a biometric sensor for fingerprint or you have not already added fingerprints in your mobile settings ((In Security and Privacy -> Biometrics), then this option is disabled.

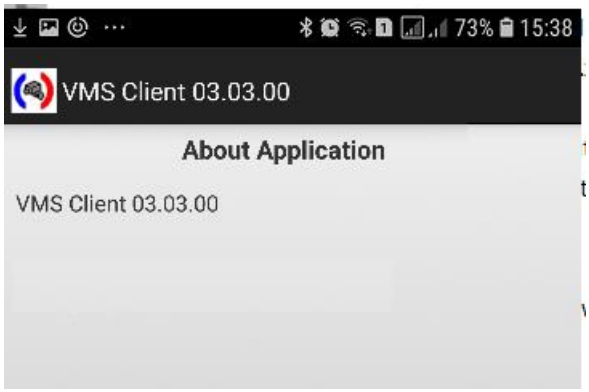
   To enable this in application,
   - Your phone must have fingerprint sensors
   - Your application must have the fingerprint added in your mobile's security and privacy settings

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



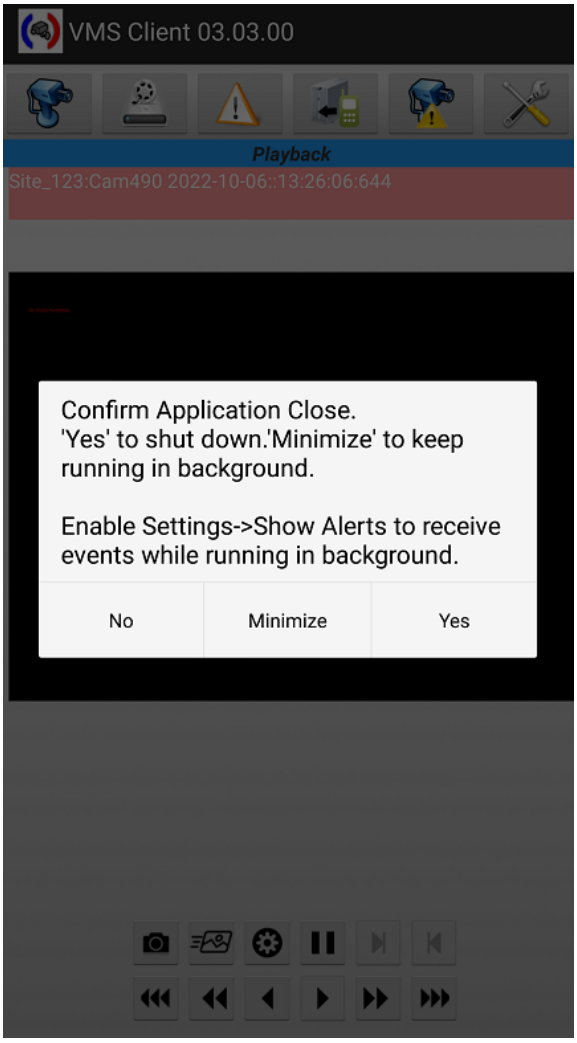
About

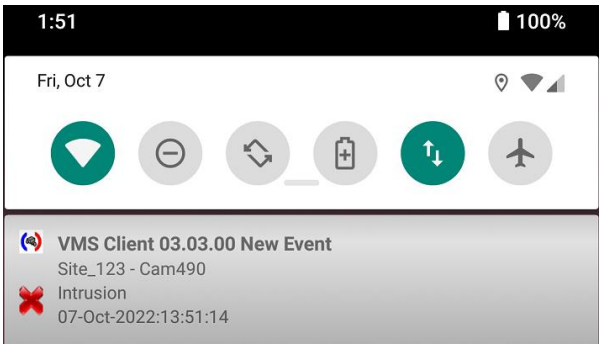
Application version can be checked from this page.



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.

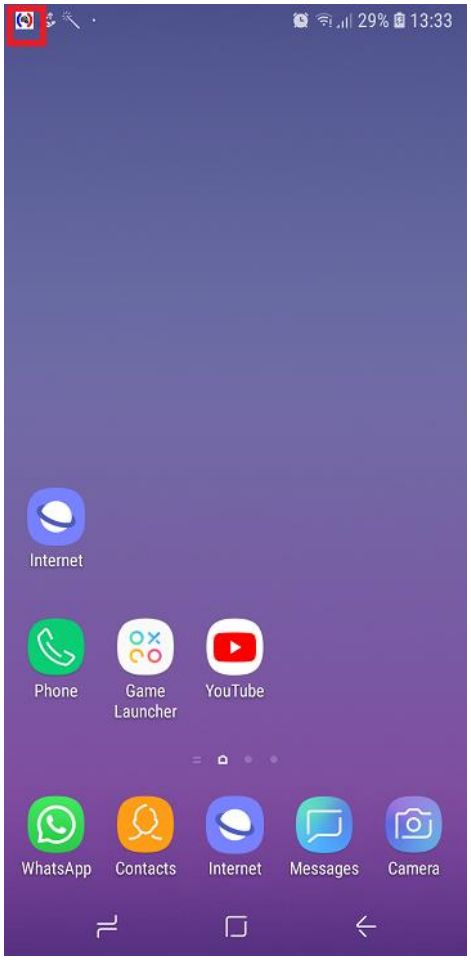


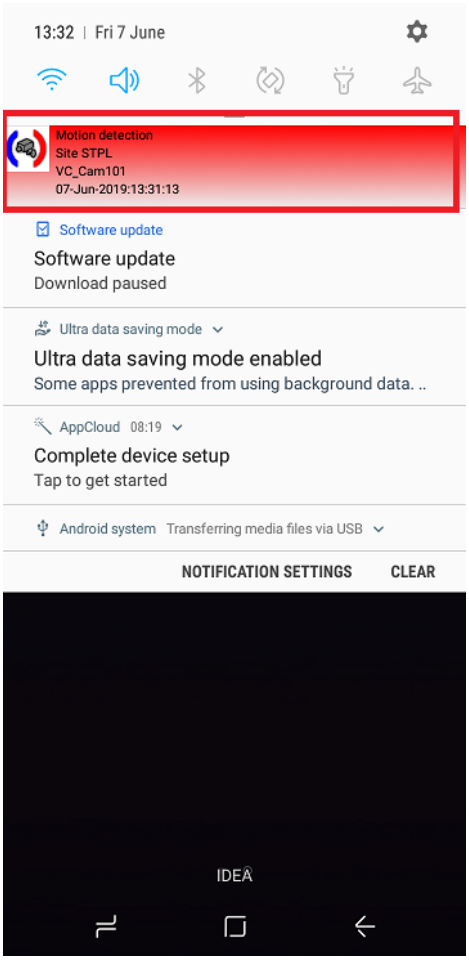


Clicking on “Back” button on phone shows following message. User can select “Minimize” to run VMS Client in background. An icon for the application is shown on status bar of the phone. User can expand status bar and click on application icon to launch the user interface.

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 open the application.

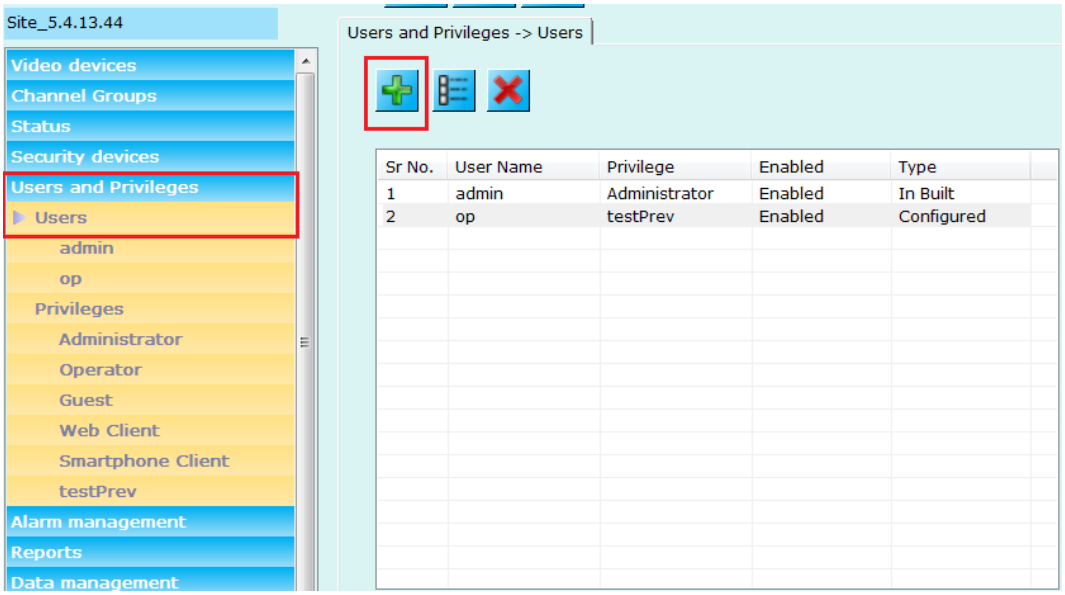

29% 13:33
Internet
Phone
Game Launcher
YouTube
WhatsApp
Contacts
Internet
Messages
Camera


13:32 | Fri 7 June
Motion detection
Site STPL
VC_Cam101
07-Jun-2019:13:31:13
Software update
Software update
Download paused
Ultra data saving mode
Ultra data saving mode enabled
Some apps prevented from using background data. ..
AppCloud 08:19
Complete device setup
Tap to get started
Android system Transferring media files via USB
NOTIFICATION SETTINGS
CLEAR
IDEA

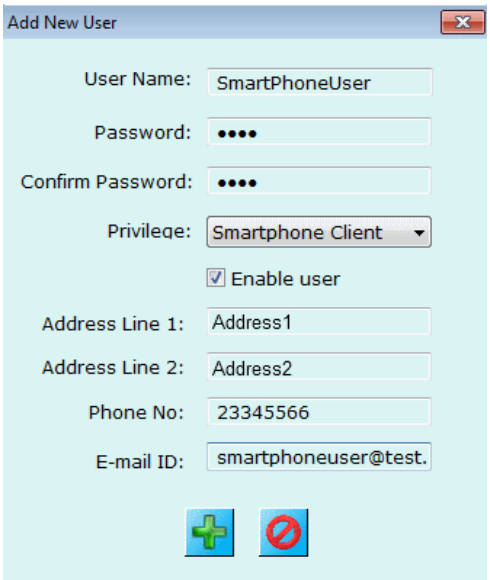
Configuring Smartphone Client User in Security Management System server

Create a user with Smartphone Client Privilege

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



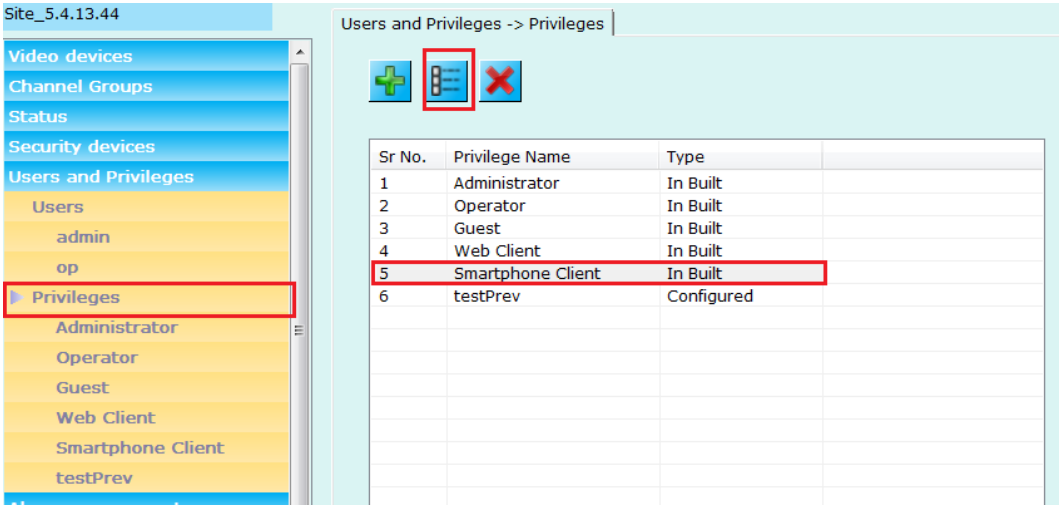
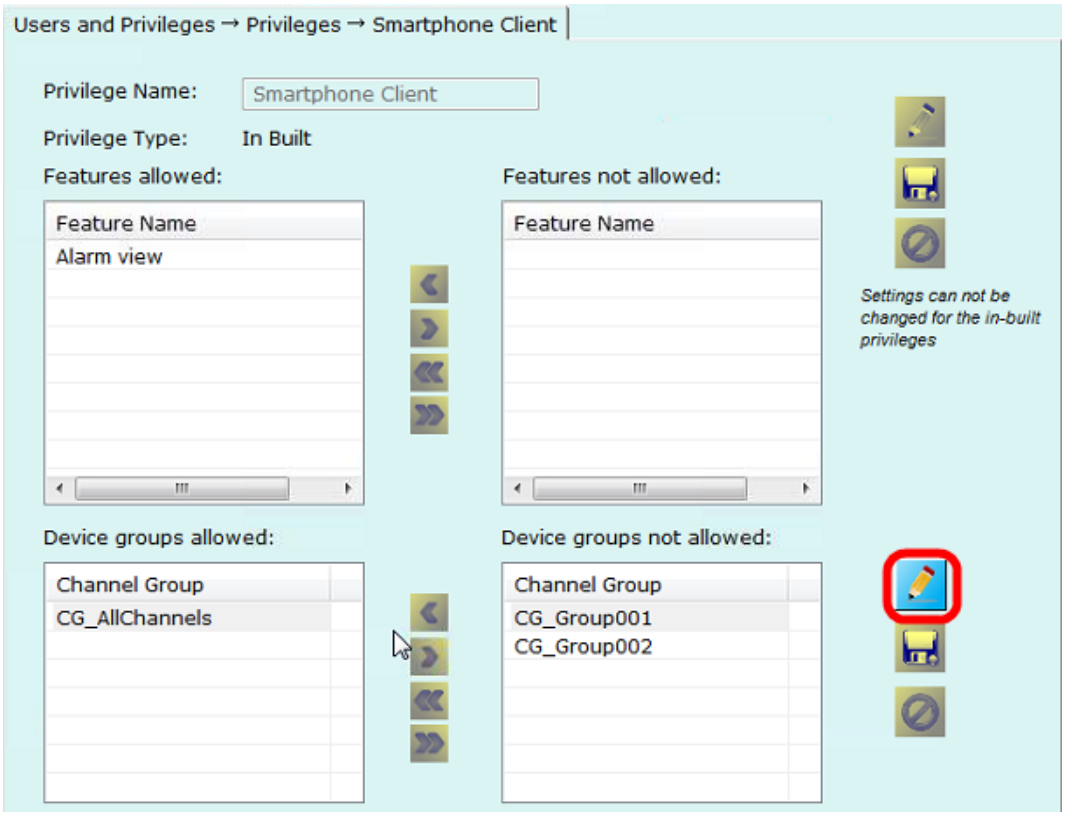
- Click Add new User



- 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