

Infinova[®] 2217 Security Management System

Android SmartPhone Client

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

User Guide

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Contents

1. Settings and Installation.....	3
Step 1 - Allow installation of “non-market” applications	3
Step 2 – Copy application installable on Android	4
Step 3 -Install application installable on Android	4
2. Settings to execute SMS Smartphone Client on your Android phone	5
Enable Wi-Fi	5
Keep awake setting	6
3. Login	7
4. Live View	9
5. Full Screen View	10
6. Playback View.....	10
7. Alarms View	13
8. Settings View.....	16
9. Running VMS Client in background.....	17
10. Configuring Smartphone Client	
Create a user with Smartphone Client Privilege	18
Configure Channel groups for “Smartphone Client” privilege.....	20

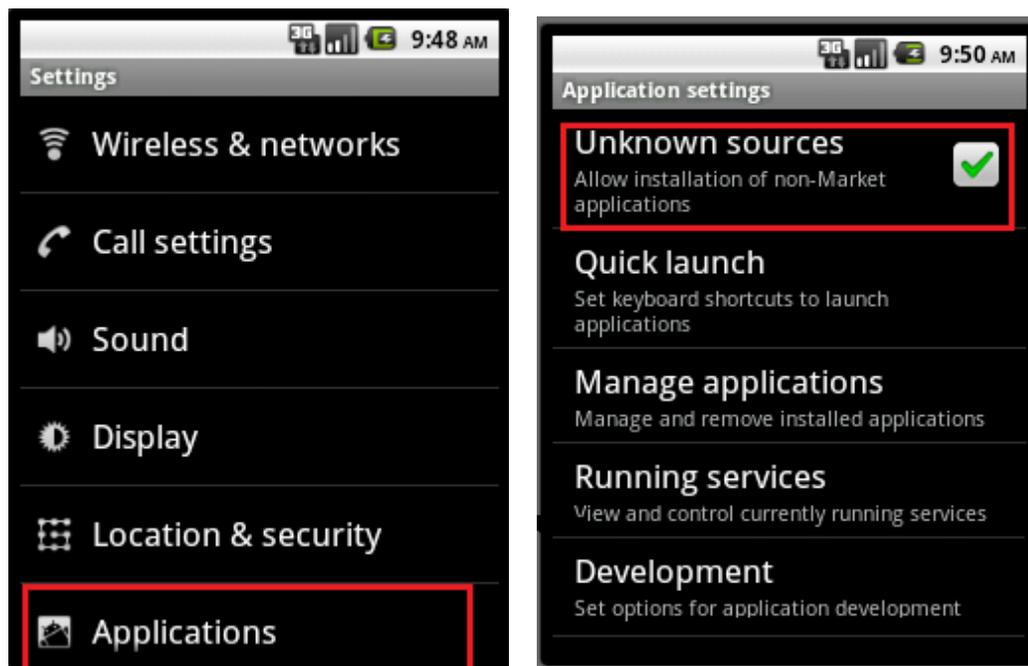
1. Settings and Installation

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 Swift server on android, you can refer to the set of instructions given on this link
<http://code.google.com/p/swiftp/wiki/UserInstructions>

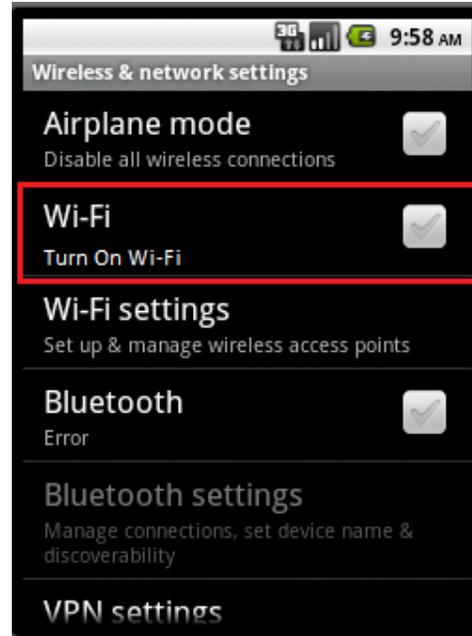
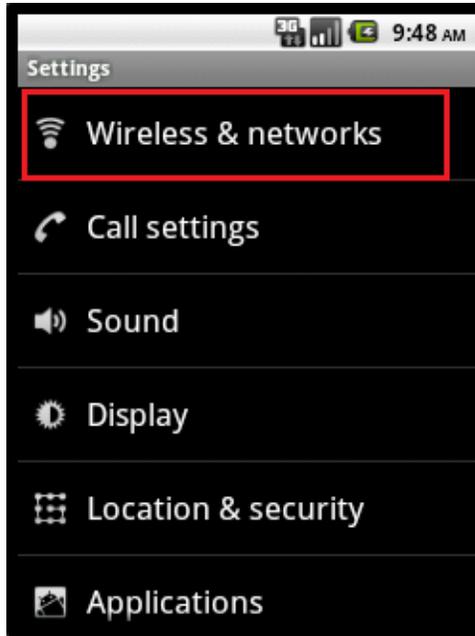
Step 3 -Install application installable on Android

- 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. Settings to execute VMS Client 03.01 on your Android phone

Enable Wi-Fi

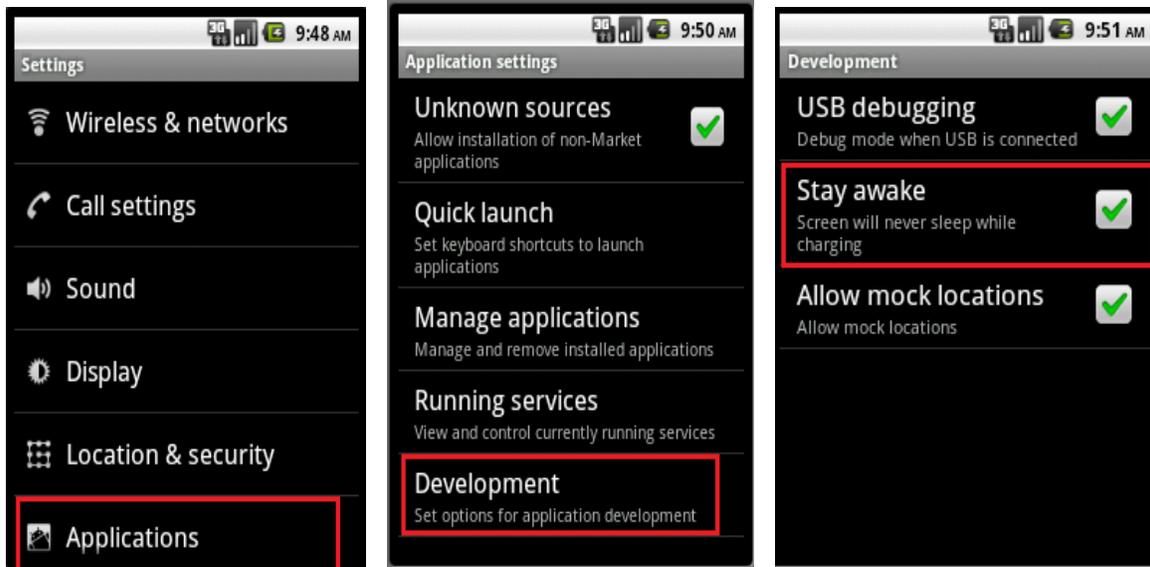
- Go to settings tab, select “Wireless and Networks” and select “Turn ON Wi-Fi”.
- It will detect the available Wi-Fi networks and then you can choose the correct Wi-Fi network



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

This is the first screen which you will see after running the SmartPhone client.

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.

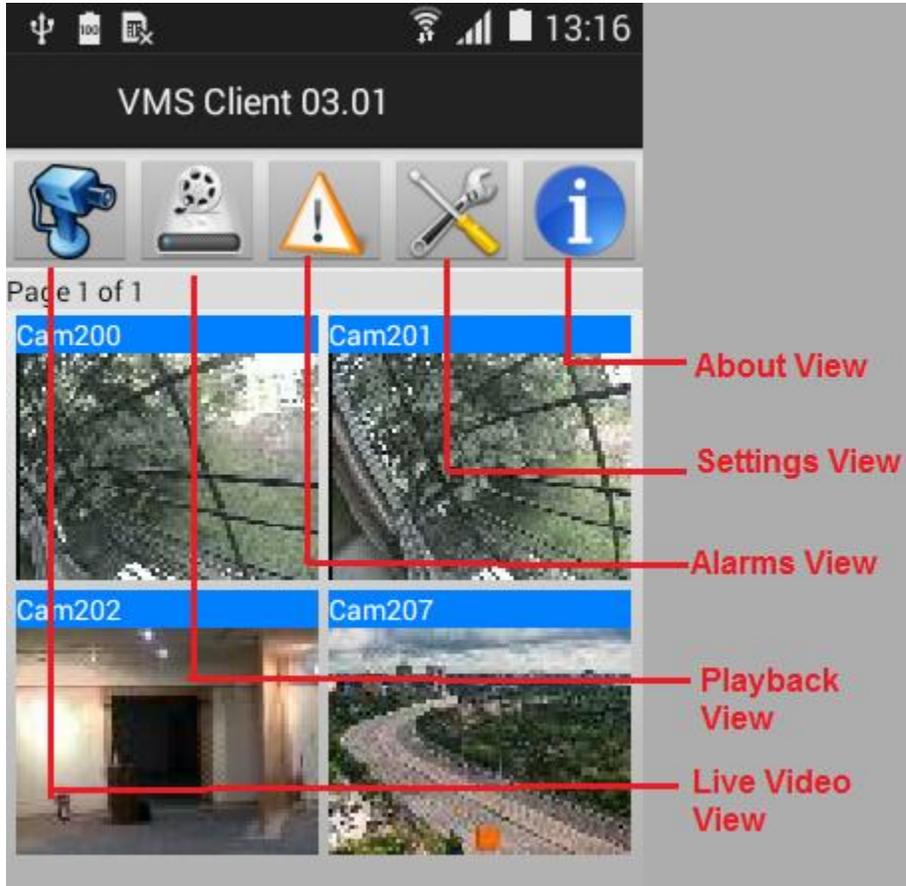
Important - Only users with 'Smartphone Client' privilege can login from the SmartPhone client applications. Please refer to the section 'Configuring Smartphone Client User in Security Management System server', available in this document, for steps to add and configure a user with 'Smartphone Client' privilege 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' privileges

'Remember Login' checkbox remembers the username and password for the subsequent sessions.

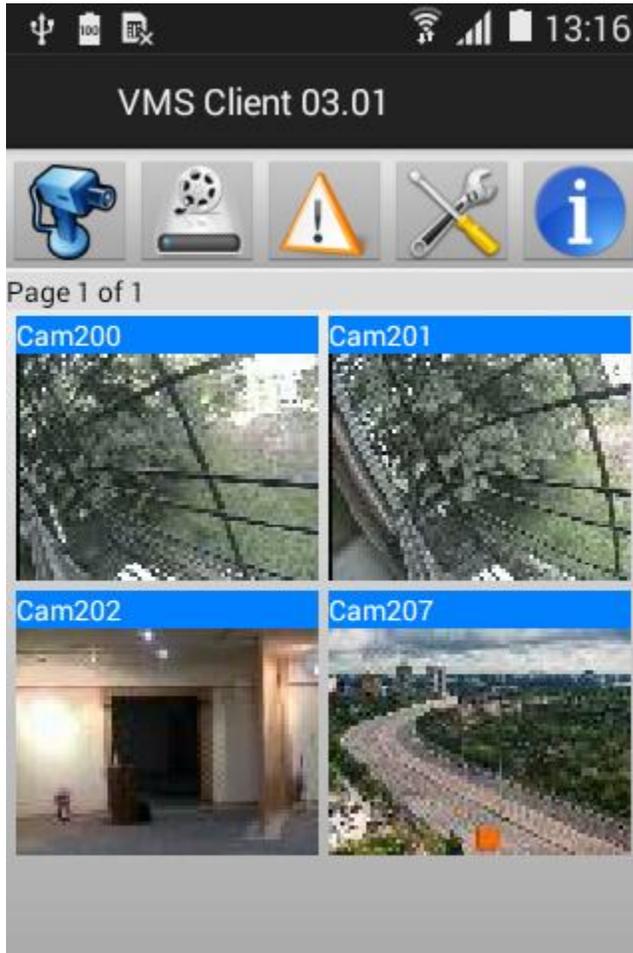
The screenshot shows the VMS Client login interface. At the top, the status bar displays icons for signal strength, Wi-Fi, and battery, along with the time 13:16. Below the status bar, the title 'VMS Client 03.01' is centered. The main form contains three input fields: 'IP Address' with the value '192.168.0.67', 'User Name' with the value 'phoneClient', and 'Password' with masked characters '****'. Below these fields are two checkboxes: 'Remember Login' which is checked, and 'Port Forwarding Enabled At Server' which is unchecked. At the bottom of the form are two buttons: 'Login' and 'Cancel'. Below the buttons, the text 'Version : 15.08.26.01' is displayed.

After login, the main application window is displayed which has live video view, alarms view and settings view.



4. Live View

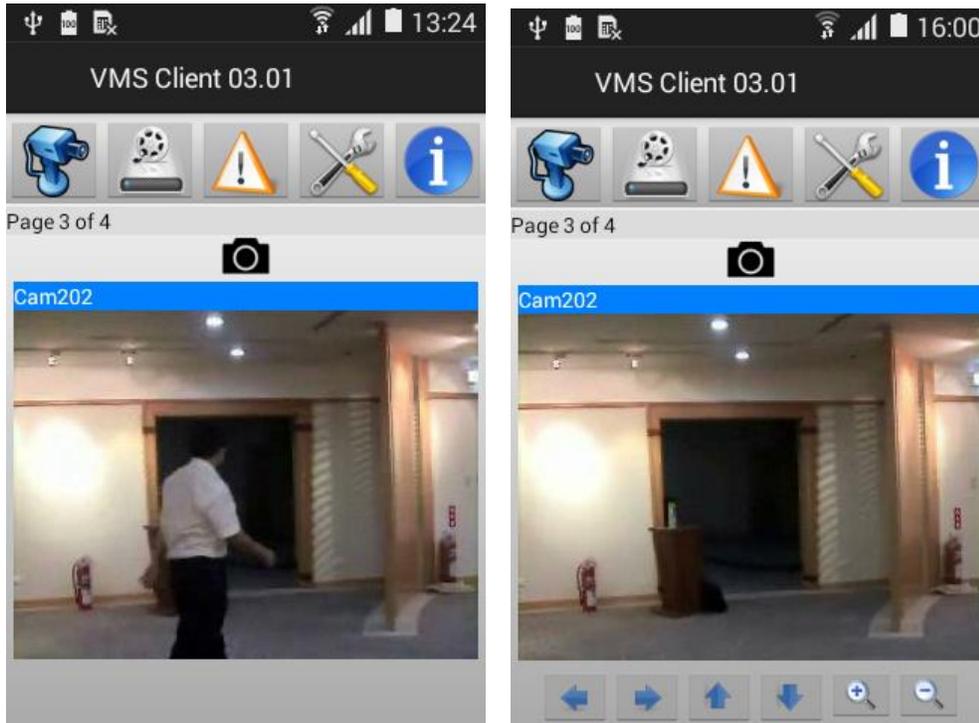
This view displays video streams for all video channels in video groups which have “Smartphone Client” privilege. For more information on how to create camera groups and grant privilege, refer to ‘Section: Create Smartphone Client User’ in this document.



User can navigate through video pages by flipping pages with page swipe gestures.

5. Full Screen View

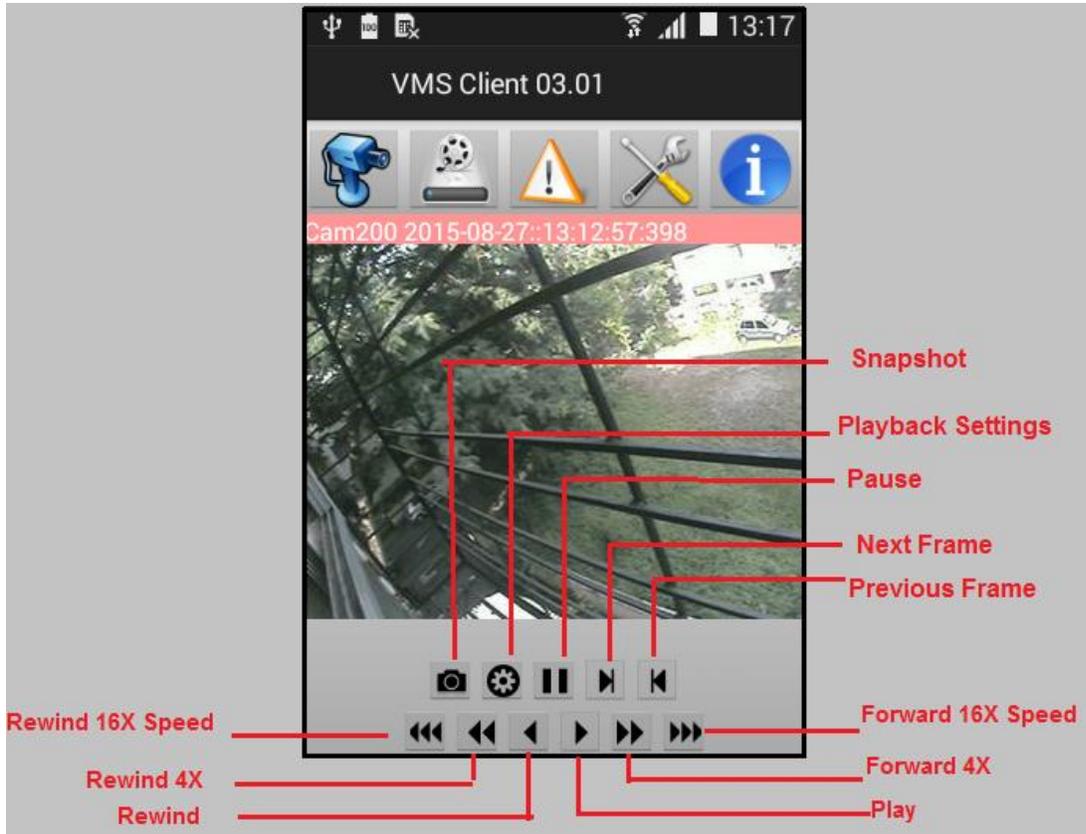
User can tap on one of the videos on live view to see it on full screen. This helps user in viewing video in more detail. User can navigate through video pages by swiping pages with page swipe gestures.



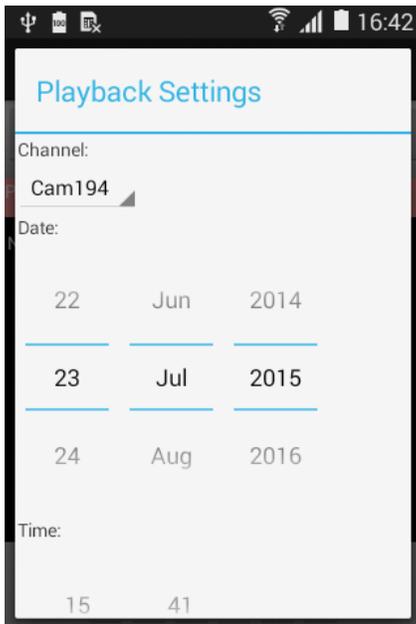
With top button you can take a screenshot image for the current video frame. The screenshot location on your mobile phone is shown on “[Settings](#)” tab. You can view the saved screenshots in “Gallery” of your mobile phone along with other images

If camera PTZ is enabled in VMS Server, then PTZ buttons are displayed in 1X1 view as shown. User can press the button to pan / tilt/ zoom the camera.

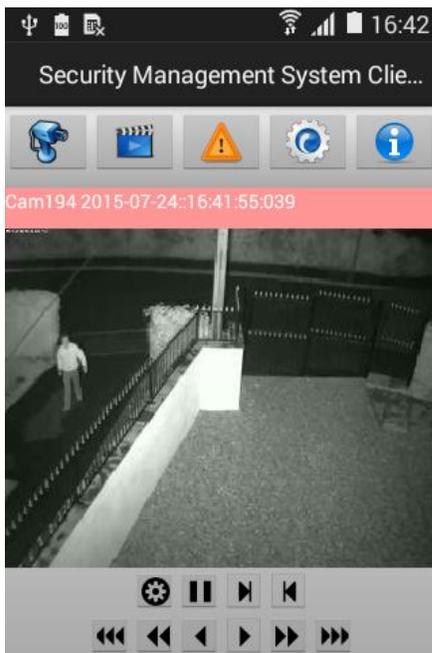
6. Playback View



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



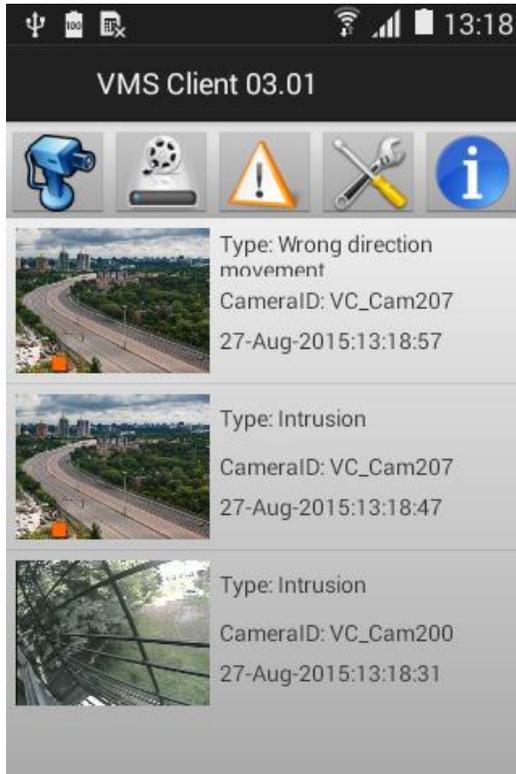
User can set Channel and playback start date and time for starting playback



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](#)” tab. You can view the saved screenshots in “Gallery” of your mobile phone along with other images

7. Alarms View

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



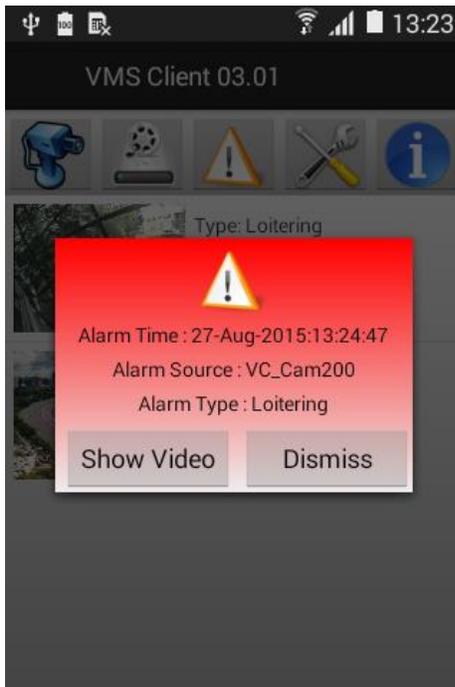
When a new alarm is received, the application shows an alert to user.

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. The video plays for duration defined in settings for pre-event and post-event playback



Clicking back button  stops playback and shows the 'Alarms View' again. Clicking replay button  restarts the playback.

Depending on settings done on "Settings" tab, an alert is displayed whenever application receives a new alarm.



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

8. Settings View

Following Events Settings can be done from settings view.



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



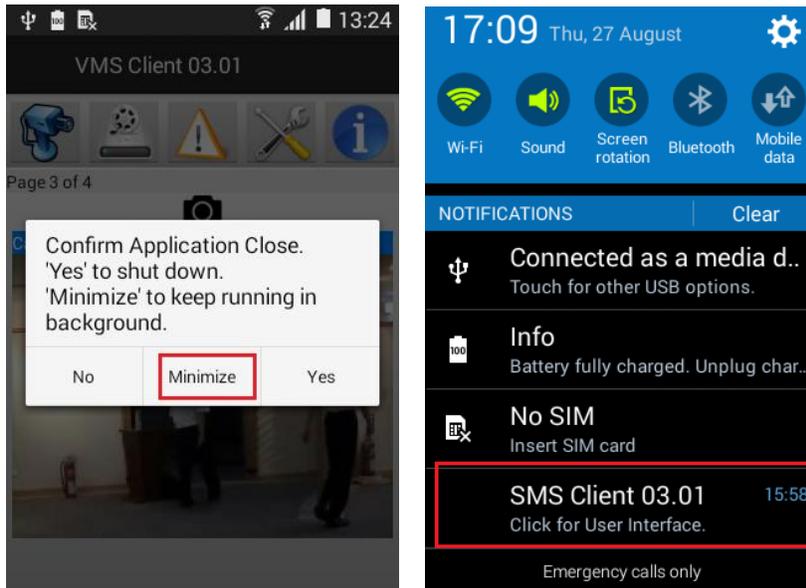
If “Play sound for event alerts” is selected then alert sound is played when a new alarm is received
Pre-Event playback (seconds): Video played “Pre Event Playback Seconds” before the alarm time for playback.

Post-Event playback (seconds): Video played “Post Event Playback Seconds” after the alarm time for playback.

Snapshot directory shows the location of snapshots for live and playback views on your phone. This cannot be changed by user.

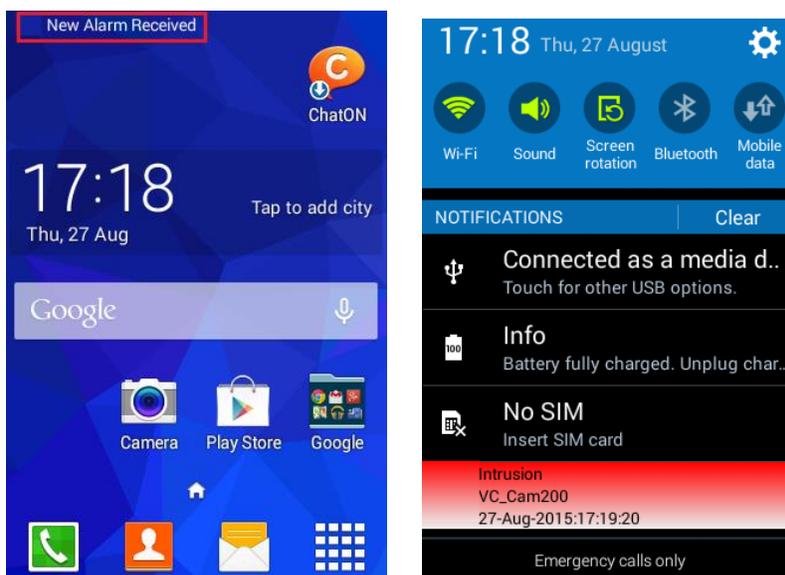
9. Running VMS Client in background mode.

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.

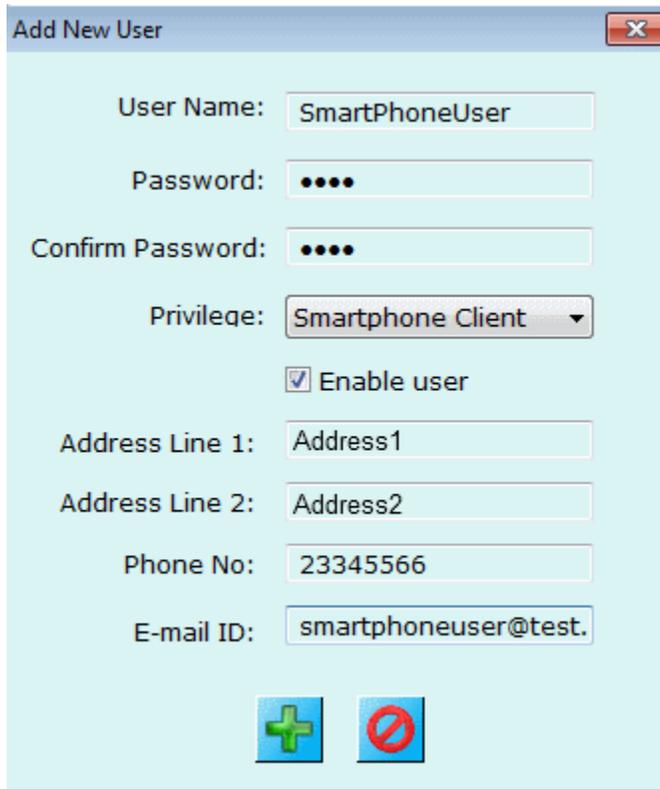


Clicking on “Back” button on phone shows following message. User can select “Minimize” to run VMS Client in background. An icon for the application is shown on status bar of the phone. User can expand status bar and click on application icon to launch the user interface.

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.



- Click Add new User



Add New User

User Name: SmartPhoneUser

Password: ●●●●

Confirm Password: ●●●●

Privilege: Smartphone Client

Enable user

Address Line 1: Address1

Address Line 2: Address2

Phone No: 23345566

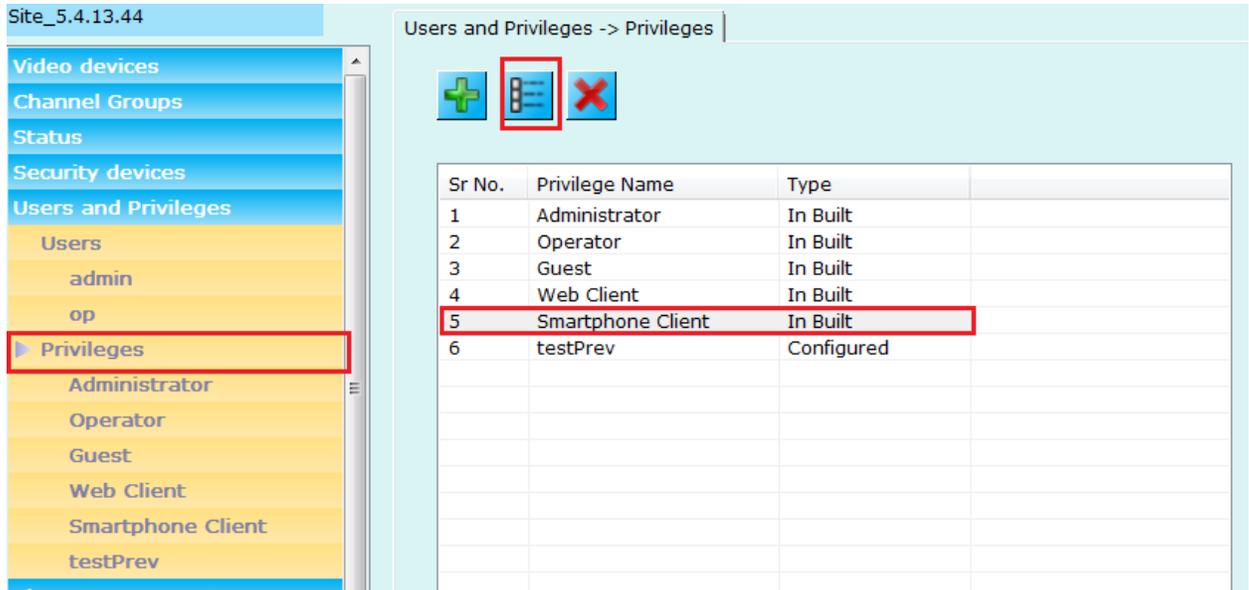
E-mail ID: smartphoneuser@test.

- 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



Site_5.4.13.44

Users and Privileges -> Privileges

Video devices
Channel Groups
Status
Security devices
Users and Privileges
Users
admin
op
▶ Privileges
Administrator
Operator
Guest
Web Client
Smartphone Client
testPrev

Sr No.	Privilege Name	Type
1	Administrator	In Built
2	Operator	In Built
3	Guest	In Built
4	Web Client	In Built
5	Smartphone Client	In Built
6	testPrev	Configured

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

Users and Privileges → Privileges → Smartphone Client

Privilege Name:

Privilege Type: In Built

Features allowed:

Feature Name
Alarm view

Features not allowed:

Feature Name

Device groups allowed:

Channel Group
CG_AllChannels

Device groups not allowed:

Channel Group
CG_Group001
CG_Group002

Settings can not be changed for the in-built privileges