LevelOne OneSecure for Android

User's Manual

Version 1.0.06

2014/04/18

Conventions Used in This Manual

The following are typographic conventions used in this manual:

- **Bold**: Bold typeface is used for a keyword, major functions of NVR, or a title of a section/column.
- *Italic*: Italic typeface is used for a filename or location path.
- Underlined: Underlined typeface is used for a document name or hyperlink.
- "**Bold**": Bold interface enclosed in double quotation marks indicates the name of a button or a choice item.

Some notices are placed within the following boxes; each type of the box indicates different purposes or levels of importance for system:

Important Notice
The content within this box is an **important notice**. This notice is important for you to get certain function to work properly, or to prevent from certain potential problems that may damage your system. Make sure you read this notice and follow the instructions.

Note
The content within this box is a **note**. A note is some necessary information you need to know about the LevelOneon you are currently taking, like what will happen after you follow or don't follow certain procedure.

Tip
The content within this box is a **tip**. A tip gives you an alternative method to easily or quickly achieve an objective, usually for specific conditions.

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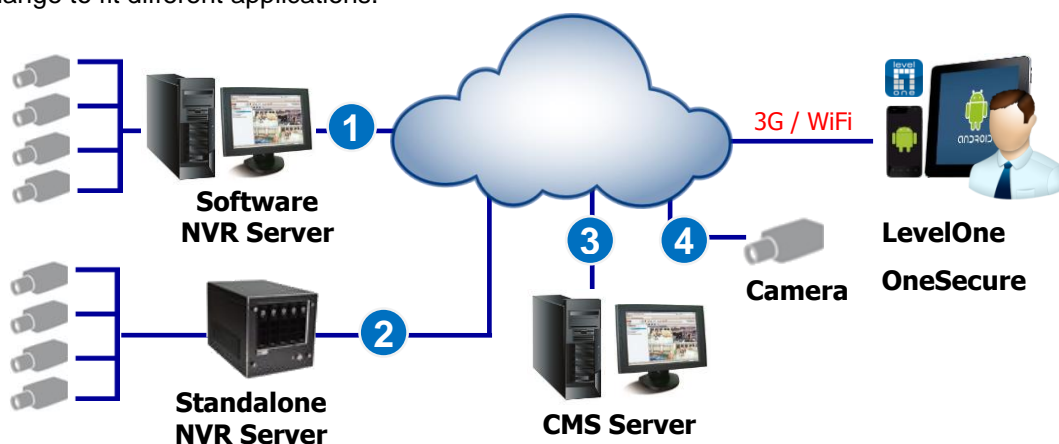
Overview

Introduction

LevelOne OneSecure is a free app running on mobile **Android** devices, allowing you to remotely monitor camera live view output from LevelOne video management system.

This app can manage up to 256 sites, and can provide 6-grid live view, single channel live view, and screen snapshots on mobile devices.

LevelOne OneSecure is ready to connect with an LevelOne central management system server, an LevelOne software network video recorder server, an LevelOne standalone network video recorder and an LevelOne camera without further configuration or installation.

Network Architecture

The service architecture is described in the following figure. Please note that the architecture may change to fit different applications.

Scenario 1

LevelOne OneSecure connects with software NVR server.

Scenario 2

LevelOne OneSecure connects standalone NVR server.

Scenario 3

LevelOne OneSecure connects central management system server.

Scenario 4

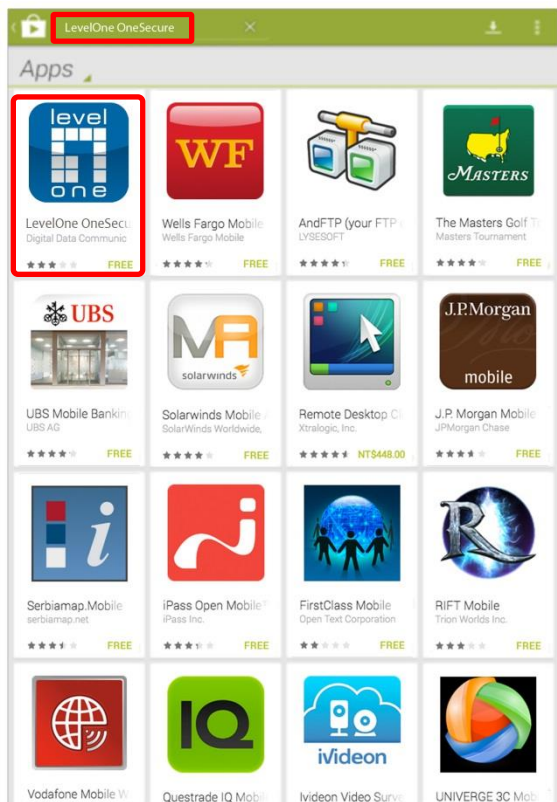**LevelOne OneSecure** connects with a camera.

Setup

Pre-requisites

Before using **LevelOne OneSecure**, please make sure pre-requisites below are fulfilled:

1. Your server sites (software NVR servers, CMS servers or standalone NVR servers) have been upgraded to compatible versions. Please refer to *LevelOne OneSecure Release Notes* on http://global.level1.com/for compatible version information.
2. Your Android device has been upgrade to firmware version **2.3** or later.

Download & Installation

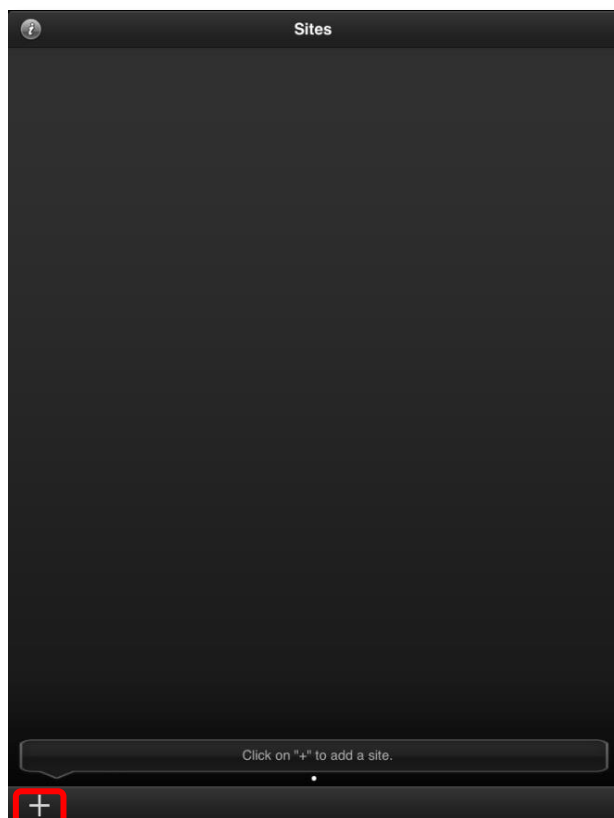To start using **LevelOne OneSecure**, please download and install this app in your device.

In **"Google play",** search the keyword "**LevelOne OneSecure**" and install the app directly. It requires Internet access for the mobile device.

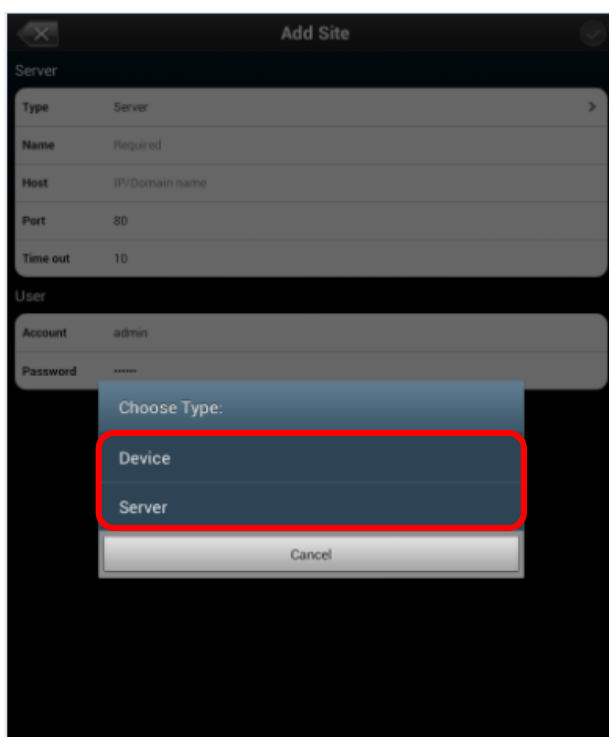After installation is complete, the application icon will appear on main screen.

Add a Server / Camera

Tap on ⬛ to execute **LevelOne OneSecure**.

Step 1

The **Sites** list is empty when you first enter **LevelOne OneSecure**. Tap the **Add** button " ✚ " to start editing a new site/camera.

Step 2

On **"Choose Type"** window, select the video source type.

Select **"Device"** for a camera or a video encoder; select **"Server"** for a CMS server, a software NVR server or a standalone NVR server.

Step 3

Enter **Edit** page to fill in the connection properties for **LevelOne OneSecure** to connect the site, and ✅ then click to save this site.

●**Name**: Server site name
●**Host**: Server ip / domain name address
●**Port**: Server port number
●**Account**: Server site account
●**Password**: The password for this account

If this is a camera, please click the **"Get Device Setting"** button before saving to make sure this device is accessible.
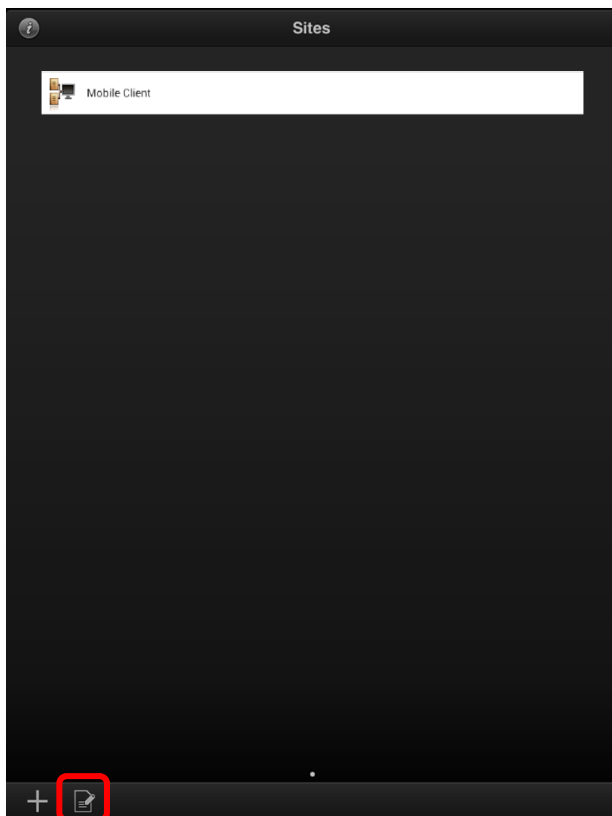
Note

The permission to see certain views or devices on an NVR / CMS server is defined by the access level of the User Group your account belongs to. If you cannot see certain views or devices, ask the system administrator to modify your user group settings.
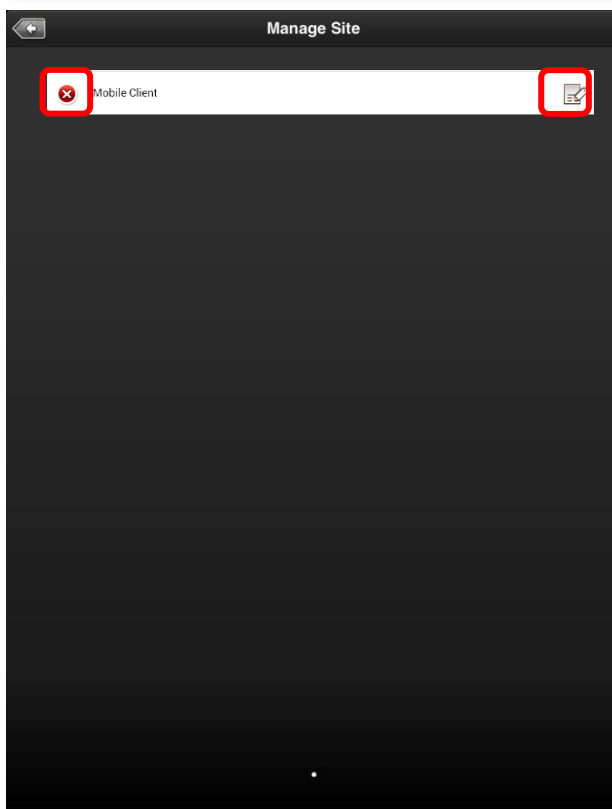
Manage Sites

Every time you execute **LevelOne OneSecure**, you will first enter the **Sites** list.

Enter Edit Mode

To edit the existing server sites, tap [icon] on the bottom to enter the edit screen.

Delete/Modify a Site

In edit mode, select a site, tap [icon] to delete it or tap on [icon] to modify the site's properties.

Note

On **LevelOne OneSecure** interface, you can always [icon] on title bar to return to the upper layer. The title bar will only reveal when the device screen is in **Portrait** orientation mode.
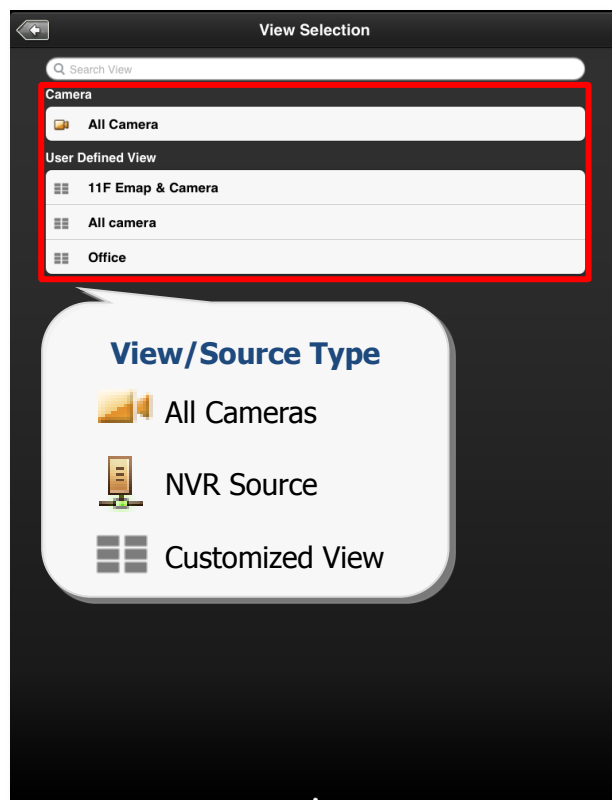
Connect a Site / Device

Step 1

Tap on execute **LevelOne OneSecure**. Tap a server site on **Sites** list.

If you are connecting to a camera / video encoder site, you will directly enter the live view.

Note

Please make sure your site is accessible via Internet, and that your Android device is connect to the Internet.

Step 2

After successfully connecting to a site, you, will enter **View Selection** screen. The **User Defined Views** and NVR **Sources** (on CMS server only) on this site will be listed here. You may tap any view to enter the live view, or choose "**All Camera**" to see all camera's live view.

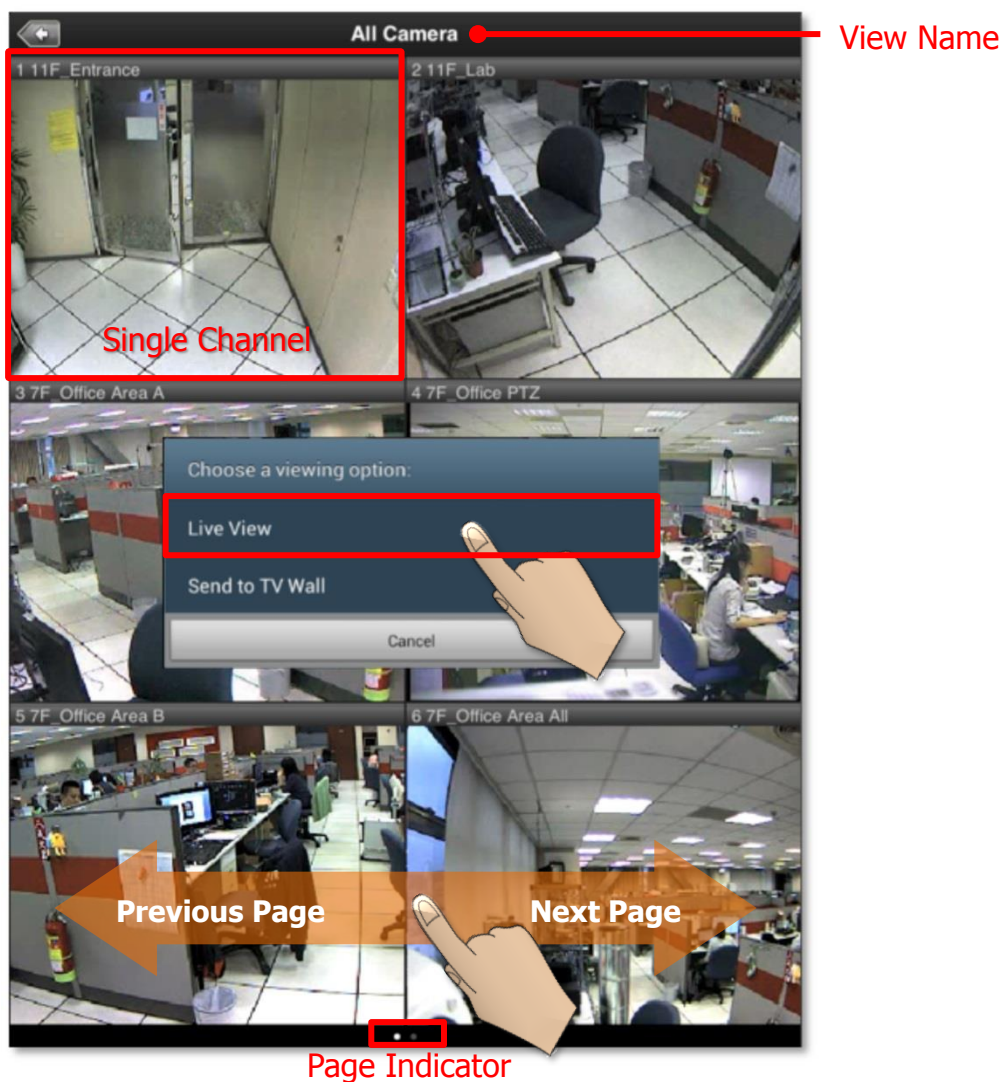If there are numerous views, you can input the view name in **Search Source / View** bar to find it.

Note

LevelOne OneSecure will display each view in 6-grid layout despite the original view layout.

Operation Instructions

View Screen

Upon entering a **View**, you will be provided with a 6-grid layout screen despite the original layout style presented on original interface; each mini channel will display continuous live snapshots at 1 frame per second.
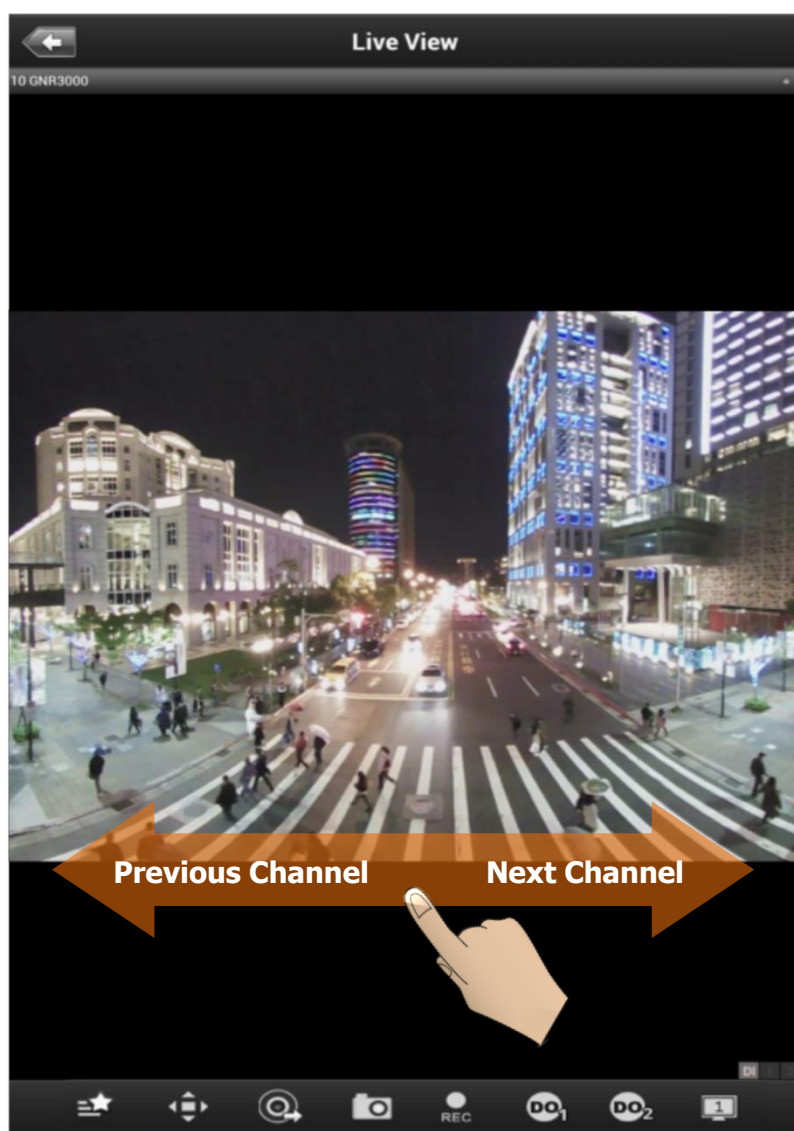
To enter a **Single Channel Screen**, tap the channel, and tap "**Live View**" on the popup window. If there are more than six camera channels in this view, the page indicator will appear on the bottom, and you may swipe horizontally to navigate other pages.

Single Channel Screen

On a single channel screen displays the camera's live streaming. You may:
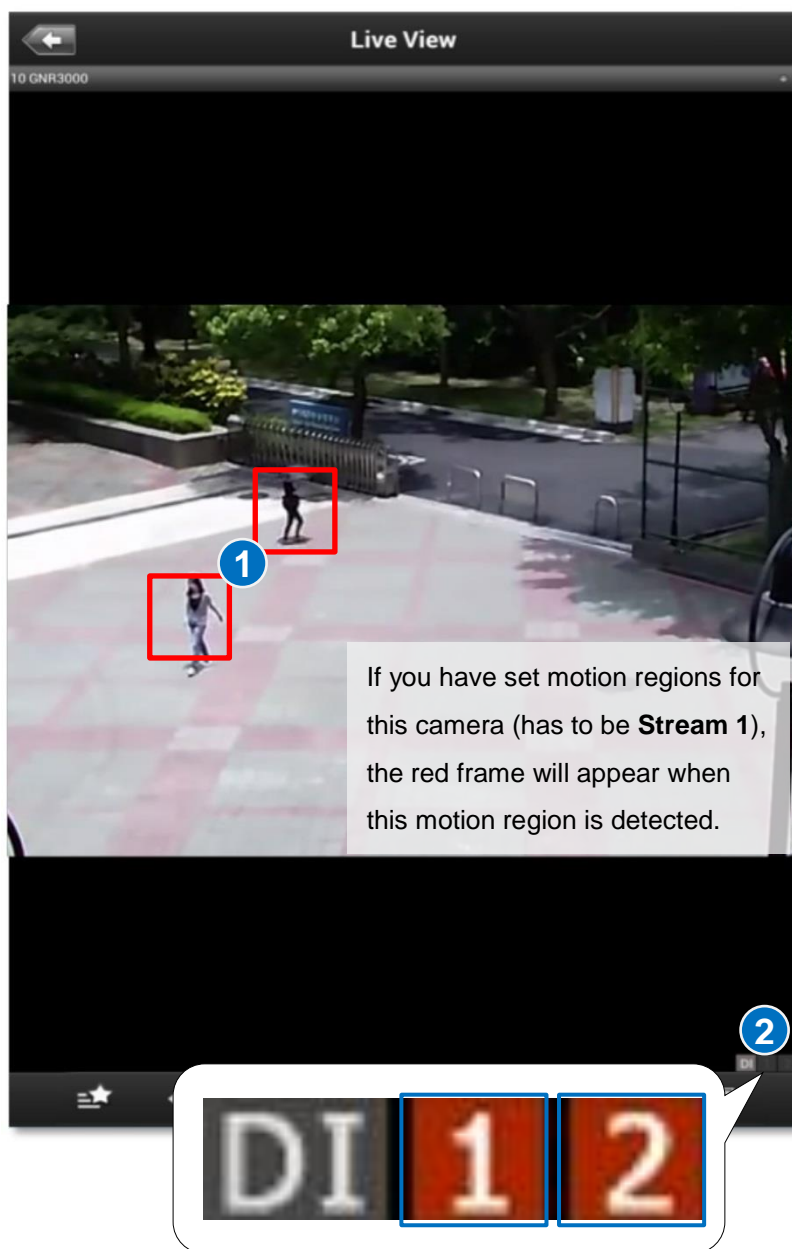
● Watch live streaming of a camera by its original resolution.

● Switch to another camera channel or another View at ease.

● Observe triggered motion/DI indications.

● Take a snaphot of live view.

● Manipulate digital/optical PTZ operation

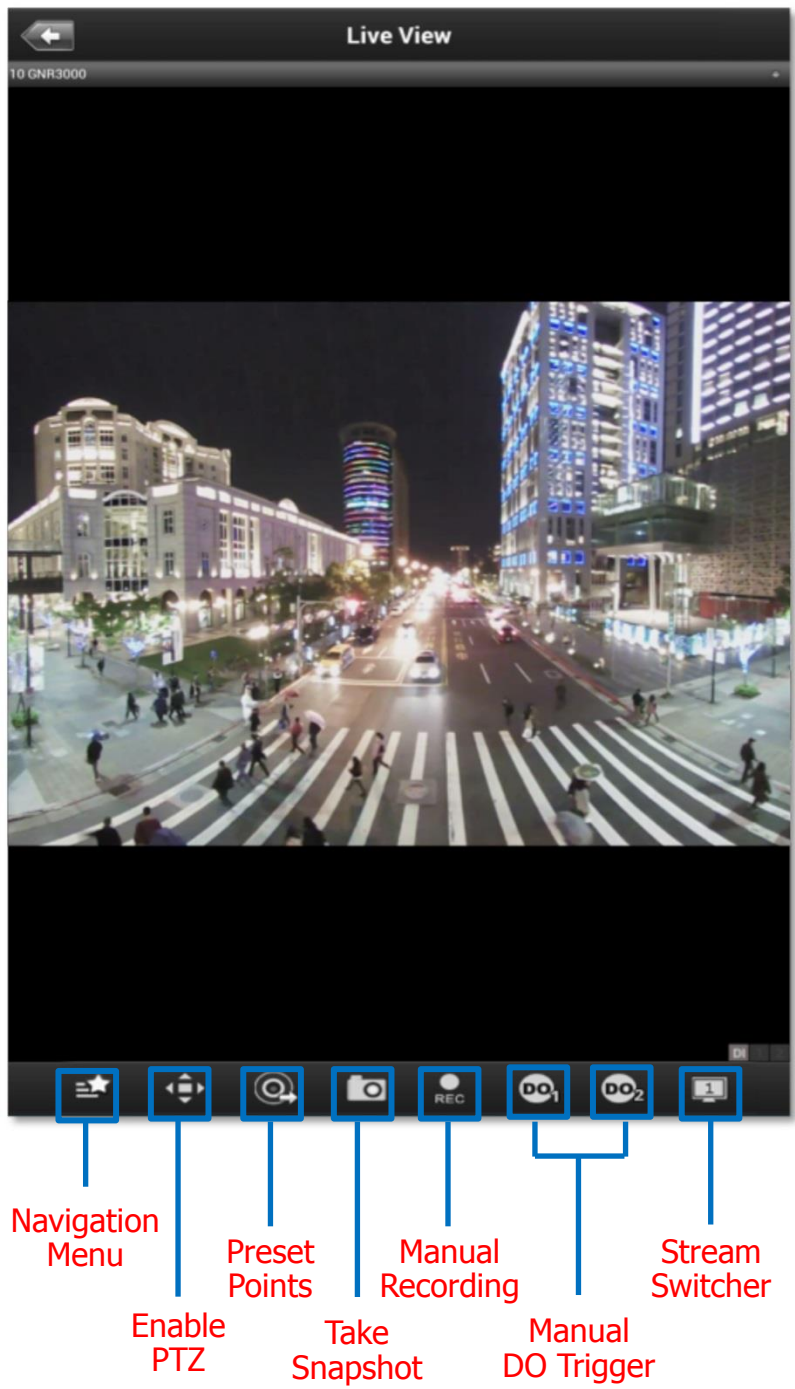● Perform manual-recording

● Manually trigger DO device.

On-screen Alerts

You may observe two kinds of event alerts: detected motion and triggered digital input.

If you have set motion regions for this camera (has to be **Stream 1**), the red frame will appear when this motion region is detected.

If the digital input connected with this camera is triggered, the icon will turn red from gray.

On-screen Controls

LevelOne OneSecure for Android V1.0.06

Function	Description
Navigation Menu	The Navigation Menu offers shortcuts to other screens: Navigation Menu Sites ——— **Sites** list View Selection ——— **Source/View** list Channel Preview ——— 6-grid **View** screen Send to TV Wall ——— Send View to **TV Wall** Cancel
Enable PTZ	Tap to enable PTZ manipulation. For detailed instructions, please refer to the **Operate PTZ Functions** section in this document.
Preset Points	Tap to see list of Preset Points available. For detailed instructions, please refer to the **Go To Preset Points** section in this document.
Take Snapshot	The snapshot will be saved as *.JPEG file to the default photo album on your device.
Manual Recording	Click to **start** / **stop** manual recording. As the video is being recorded, this button will appear red until you click it again to stop recording, and the recording is saved on your NVR server site.
Manual DO Trigger	Tap it to bring up the DO buttons. If the DO device is connected, the button will be enabled, and you may tap it to trigger the device. You have to make sure the DO device has been well connected and configured with the camera first.
Stream Switcher	Click to switch between showing Stream 1 or Stream 2 of your device or server.

Note
Some icons, including "**Preset Points**", "**Manual DO Trigger**", and "**Stream Switcher**" may only appear if related settings are supported or have already been set in your device / NVR / CMS server.

Operate PTZ Functions

You may control **Optical PTZ** functions (for models with Pan/Tilt/Zoom capabilities) or **Digital PTZ** Functions (with all camera models) on the single channel screen.

Optical PTZ

To manipulate the **Optical PTZ** function, please make sure the PTZ functions have been successfully enabled and properly set on the NVR server. To start,

1. Tap ⬦ to enable PTZ manipulation.
2. Select the 🖲 icon to enter **Optical PTZ** mode. You can use hand gestures to manipulate the movements and zoom levels.
3. To return to normal live view, tap ⬦ again and click on ✖ .

Function	Zoom in	Zoom out	Pan / Tilt
Hand Gesture	Spread	Pinch	Swipe

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Digital PTZ

LevelOne OneSecure supports **Digital PTZ** operation by hand gestures on screen for all camera models. To start,

1. Tap [icon] to enable PTZ manipulation.
2. Select the [icon] icon to enter **Digital PTZ** mode. Use hand gestures to perform digital zooming, panning or tilting.
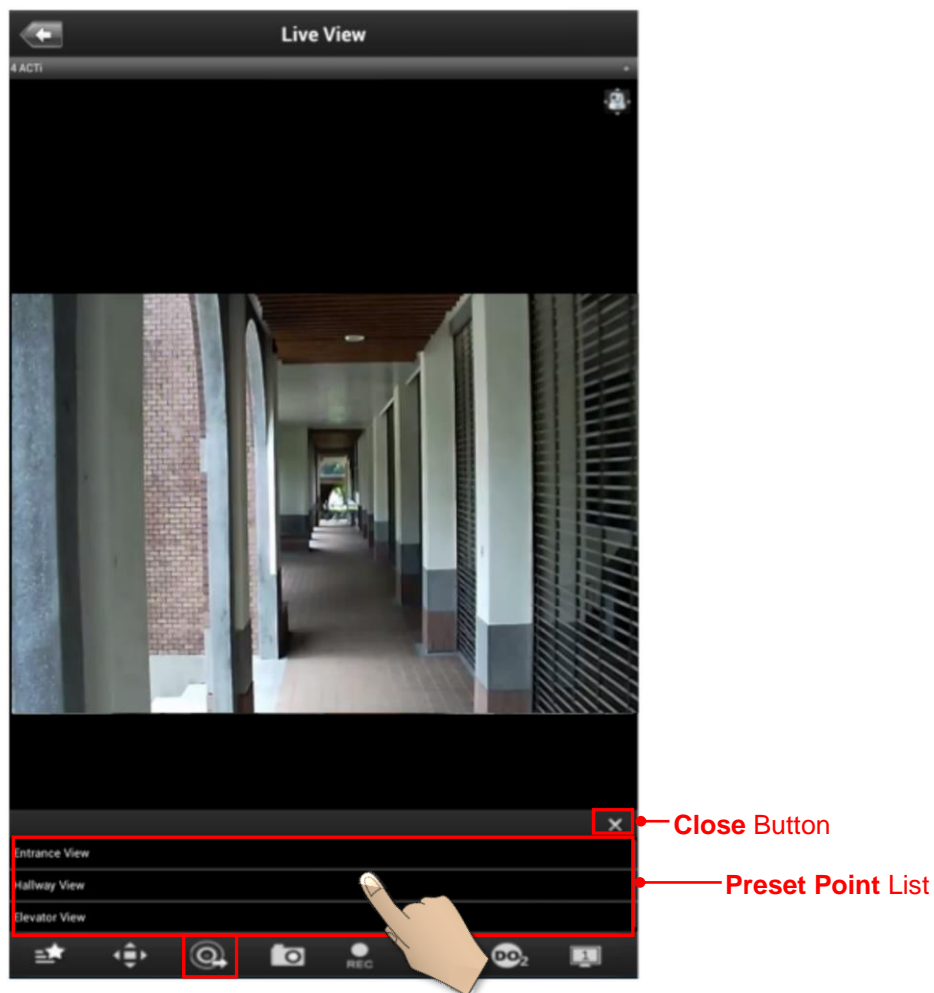3. To return to normal live view, tap [icon] again and click on [icon].

Function	Zoom in		Zoom out		Pan / Tilt
	Spread	Double-tap	Pinch	Double-tap	Swipe
Hand Gesture					

Go to Preset Points

If you have previously set the preset points for a PTZ device through an NVR interface, you can tap on the ⊙ icon to go to a Present Point. Once you tap on it, a list of pre-defined preset points will be shown. Tap on a present point to make the device go to this point.

Note

Current NVR v3.0.08 and previous versions do not support ePTZ operation of 6VGA streaming mode. If camera is 6VGA mode, please operate the PTZ function through camera web configurator.
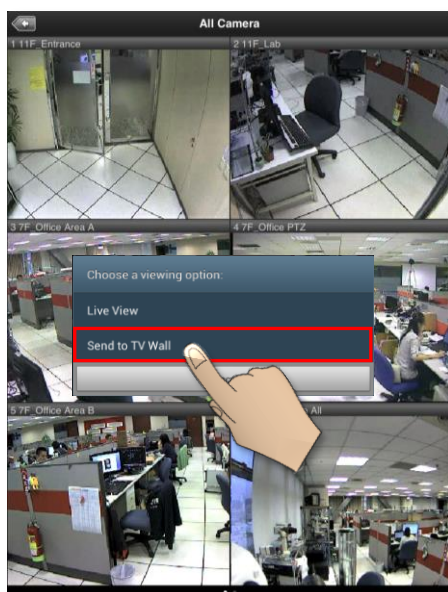
Send To TV Wall

To be able to send a camera view to a TV Wall, please make sure the TV Wall has been set up to work with the CMS server you are connecting to.
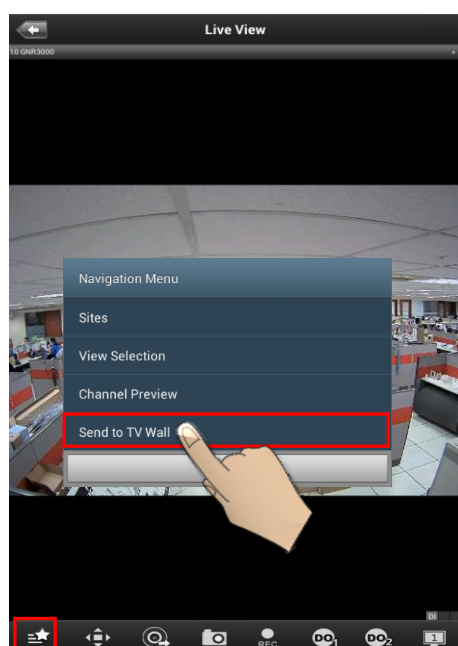
To send a camera view to a TV wall, follow these steps:

1) Click on the "**Send to TV Wall**" function. There are two ways to access the "**Send To TV Wall**" function:

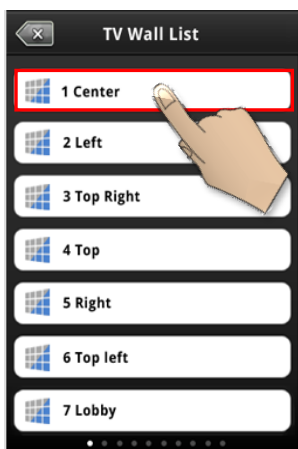   a) You can tap on a channel in the **View Screen**, and select "**Send to TV Wall**".

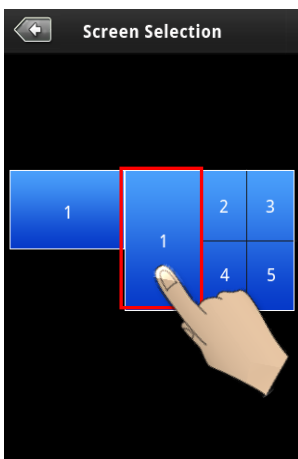   b) You can click on the **Navigation Menu** in the **Single Channel Screen**, and select "**Sent to TV Wall**".

2) After clicking on "**Send to TV Wall",** you will be taken to the **TV Wall List**. If your CMS server is connected to more than 1 TV Wall Server, you can select which server you would like to use by clicking on it.

3) After selecting a TV Wall Server, you will be taken to **Screen Selection**. If your TV Wall Server is composed of more than 1 screens/monitors, you can select the screen/monitor that you would like to send your camera view to.

4) After choosing a screen/monitor, you will be taken to **Layout Selection**. The screen/monitor your chose may have layouts with multiple channels. Select the channel on the layout that you would like to send your camera view to.