levelone ®

LevelOne OneSecure for iOS

User's Manual
Version 1.0.16

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Overview

Introduction

LevelOne OneSecure is a free app running on **iOS** devices (iPad, iPhone and iPod touch) that allows you to remotely monitor camera live view output from LevelOne video management systems and LevelOne cameras.

This app can provide 6-grid live view, single channel live view, real-time PTZ control, digital PTZ, going to presets, manual recording and screen snapshots on mobile devices.

LevelOne OneSecure is ready to connect with an <u>LevelOne central management system server</u>, an <u>LevelOne software network video recorder server</u>, an <u>LevelOne standalone network video recorder</u> and an <u>LevelOne camera</u> 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.
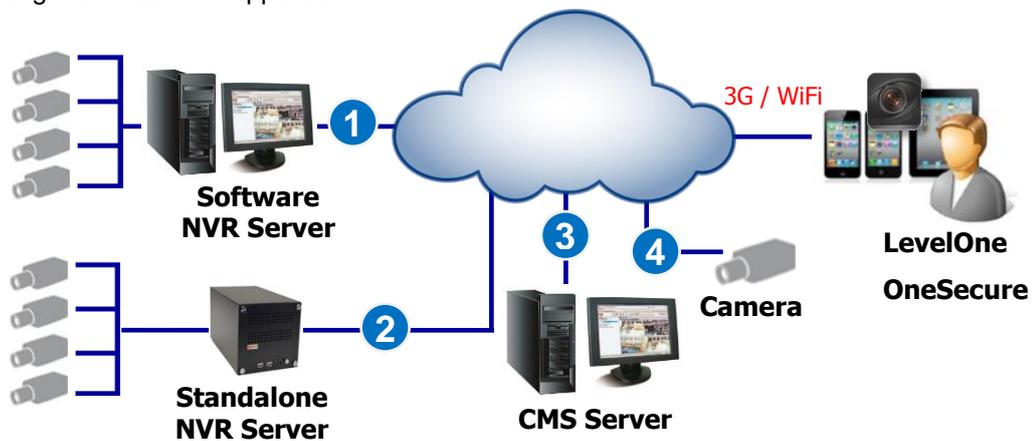
<u>Scenario 1</u>

LevelOne OneSecure connects with a software NVR server.

<u>Scenario 2</u>

LevelOne OneSecure connects with a standalone NVR server.

<u>Scenario 3</u>

LevelOne OneSecure connects with a central management system server.

<u>Scenario 4</u>

LevelOne OneSecure connects with a camera.

Setup

Pre-requisites

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

1. Your server site (software NVR servers, CMS servers or standalone NVR servers) or camera firmware has been upgraded to the latest compatible versions.
    Please go to http://global.level1.com/ and review the VMS release notes for compatible version information

2. Your iOS device (iPad, iPhone and iPod touch) has been upgrade to iOS 5.0 or later.

3. To enable optical PTZ functions, preset points or video motion alerts on **LevelOne OneSecure**, please make sure you have properly configured and tested the related functions via CMS/NVR/ Standalone NVR/ camera firmware interface; to observe DI status or enable Manual DO Trigger buttons, please connect well the devices with the camera.

Download & Installation

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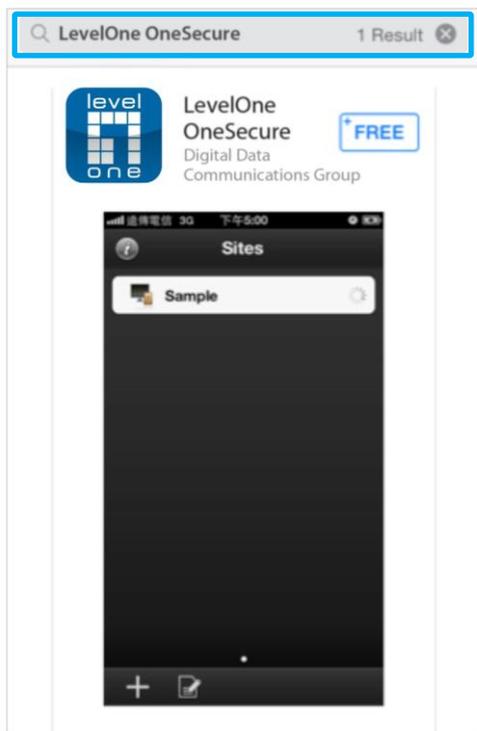

In **"App Store",** search the keyword "**LevelOne OneSecure**" and install the app directly. It requires Internet access for the mobile device.
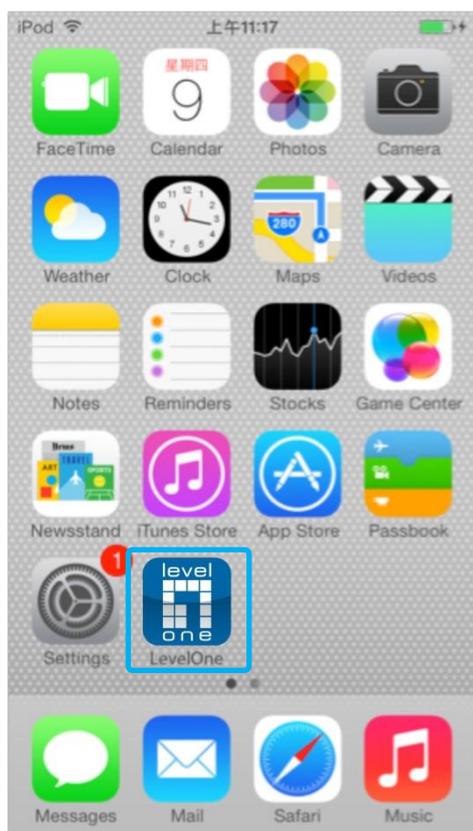
After installation is complete, the application icon will appear on main screen.

Add a Server / Camera

Tap on [icon] to execute **LevelOne OneSecure**.
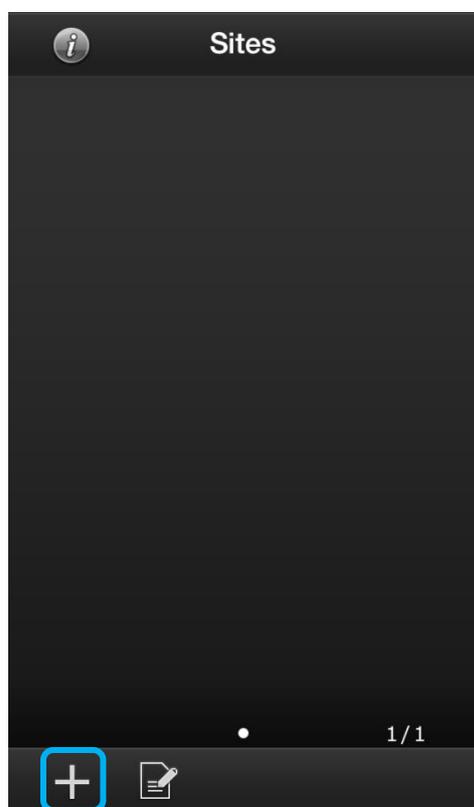
Step 1

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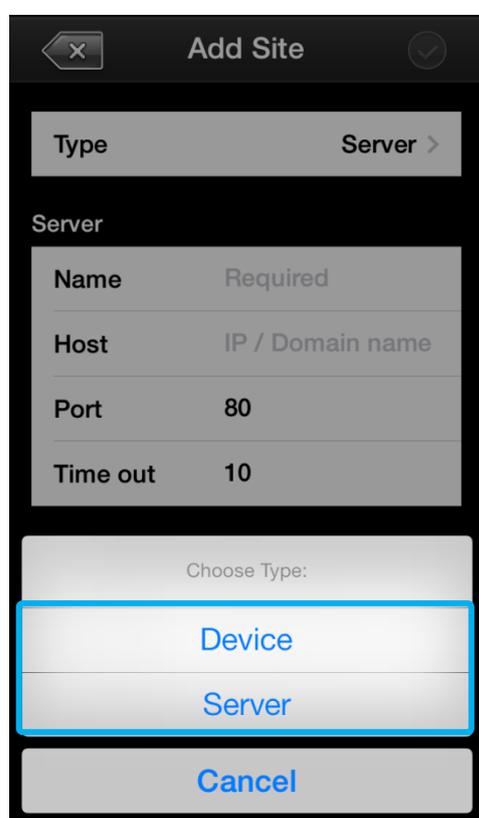

Step 2

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.

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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 / Camera name

●**Host**: IP / Domain name address

●**Port**: Port number

●**Account**: Server site / Camera account

●**Password**: The password for this account.

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

Get Device Setting

Note

The permission to see certain views or devices on a NVR / CMS server is defined by the group permissions of your account. If you cannot see certain views or devices, ask the system administrator to modify your user group settings.

Manage Sites

Upon entering **LevelOne OneSecure** interface, you will first see the **Sites** list.
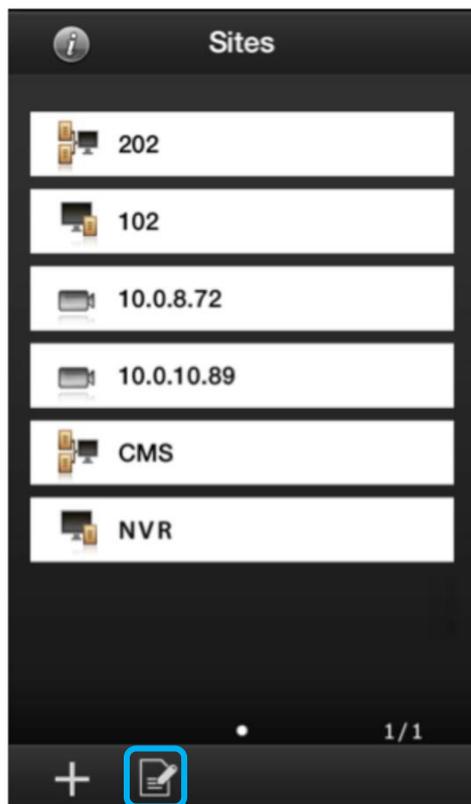
Enter Edit Mode

To edit the existing sites, tap [icon] on the bottom to enter the edit screen.
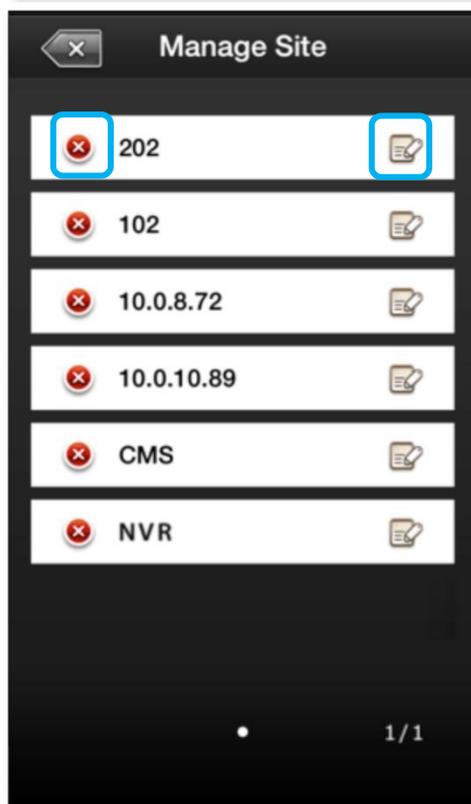
Delete/Modify a Site

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

> **Note**
> On **LevelOne OneSecure** interface, you can always tap [back icon] on title bar to return to the upper layer

Connect a Site / Device
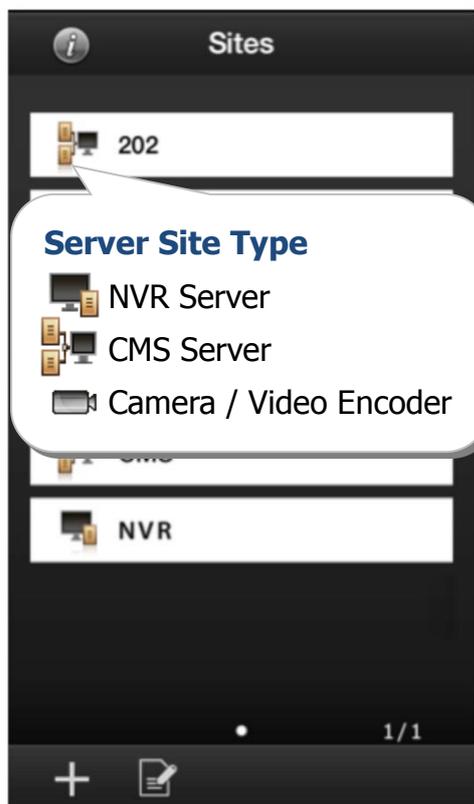
Step 1

Tap on [icon] execute **LevelOne OneSecure**. Tap a 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 you iOS device is connected to the Internet.
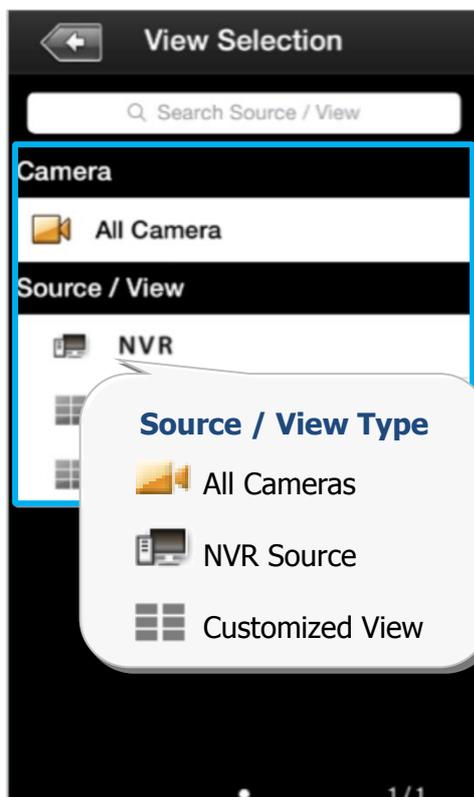
Step 2

After successfully connecting to a server site, you will enter **View Selection** screen. The NVR **Sources** (on CMS server site only) and User customized **Views** will be listed here.

You may tap any view to enter the live view, or choose "**All Camera**" to see all cameras live view.

You can input the view name in **Search Source / View** bar to perform a quick search.

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.
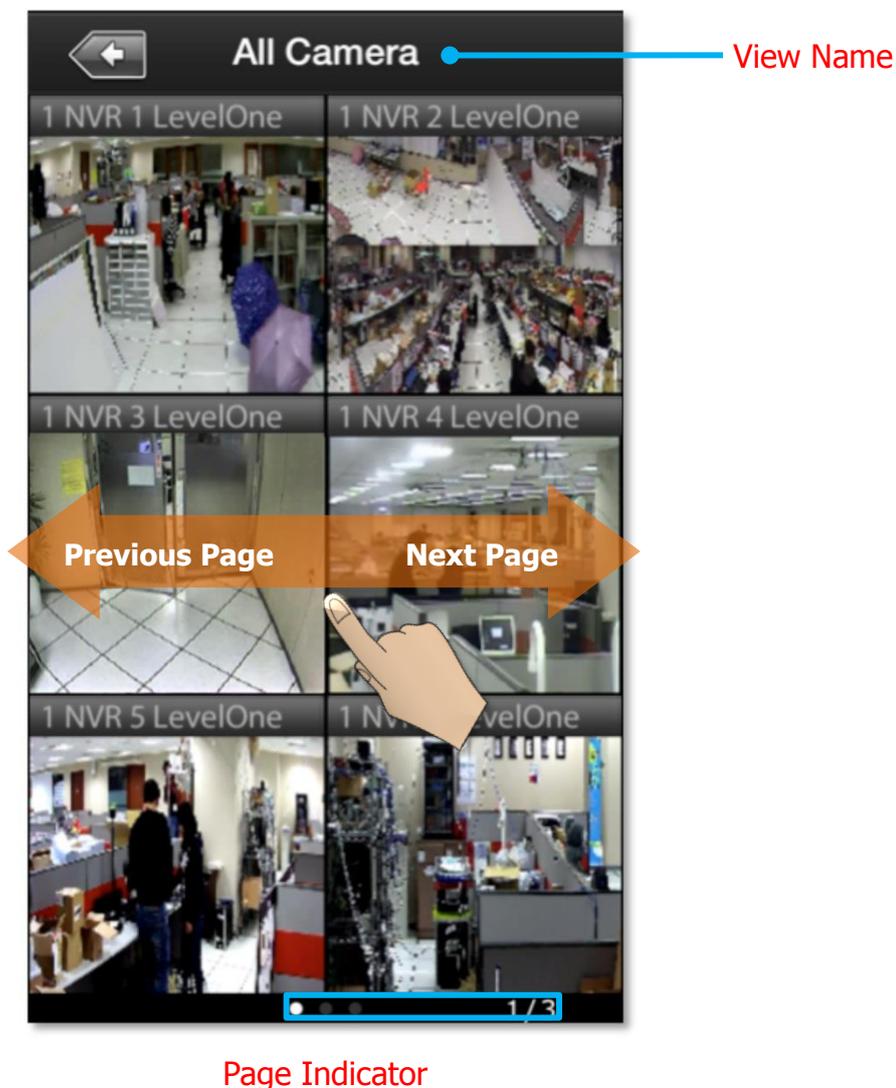
Page Indicator

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.

To enter a **Single Channel Screen**, tap the channel, and tap "**Live View**" on the popup window.
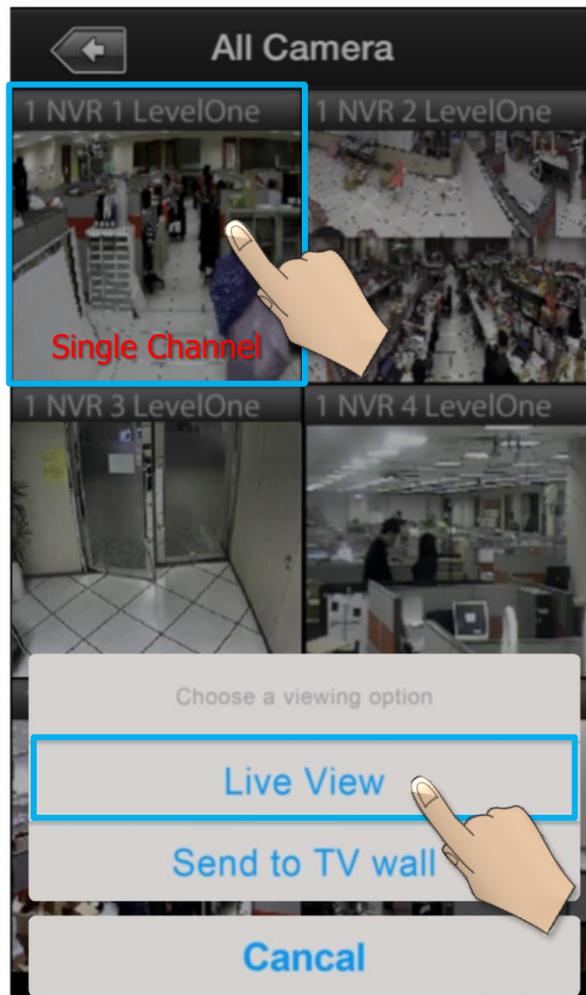
Single Channel Screen

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 devices

Function	Description
Navigation Menu	The **Navatigation Menu** offers shortcuts to other video source screen:
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.
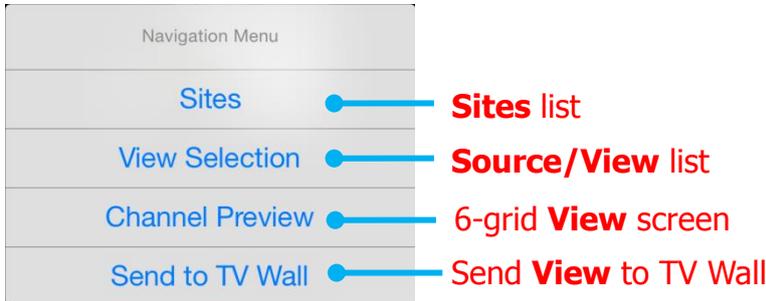
Note
Some icons, including "**Preset Points**", "**Manual DO Trigger**", and "**Stream Switcher**" may only appear if related settings are supported or have already been set in your device / NVR / CMS server.

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.
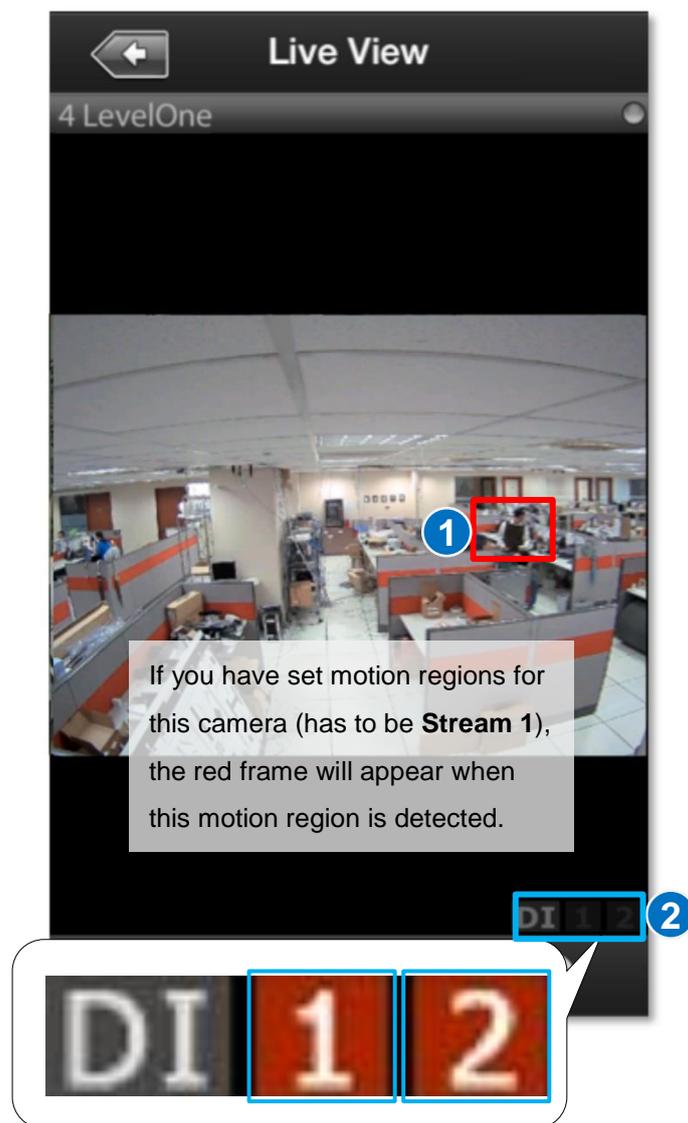
Once the connected DI device is triggered, the DI number will appear in orange. You have to make sure the DI device has been well connected and configured with the camera first.

PTZ Operations

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

Optical PTZ

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

1. Tap [icon] to enable PTZ manipulation.
2. Select the [icon] 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 [icon] again and click on [icon].

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

Go to Preset Points

If you have previously set the preset points for a PTZ device through NVR interface, the **Preset Point Panel** button 🔘 will appear on the bottom. Once you tap on it, a list of pre-defined preset points will be shown. Tap on a preset point to make the device go to this point.

Close Button

Preset Point List

Preset Point icon
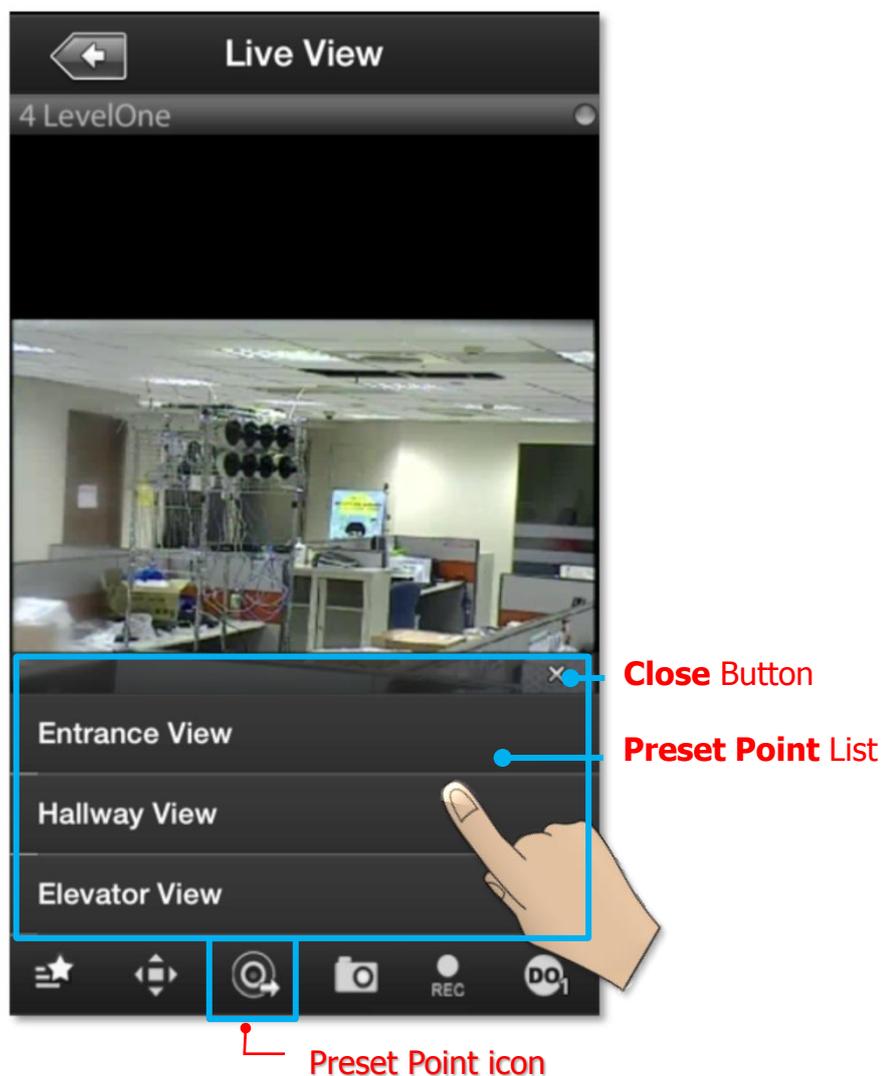
Note
Current NVR v3.0.08 and previous versions do not support ePTZ operation of 6VGA streaming mode. If camera is 6VGA mode, please operate the PTZ function through camera web configurator.

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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 ◁▣▷ on the bottom to enable PTZ manupulation.
2. Select the 🔍 icon to enter **Digital PTZ** mode. Use hand gestures to perform digital zooming, panning or tilting.
3. To return to normal live view, tap ◁▣▷ again and click on ✕ .

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

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Send a Channel 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 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**".
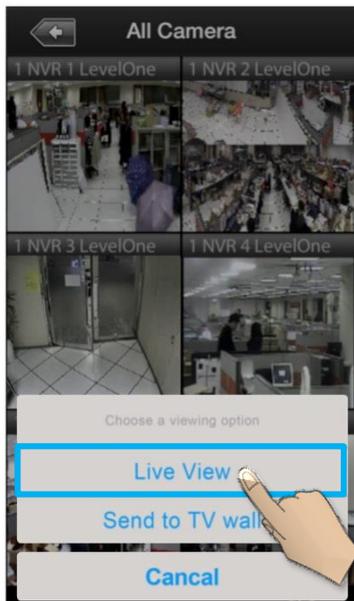
   b) You can click on the **Navigation Menu** in the **Single Channel Screen**, and select "**Send to TV Wall**".
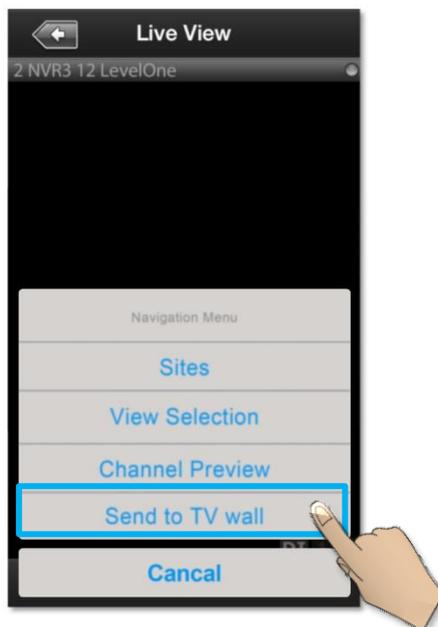
2) After clicking on "**Send to TV Wall",** you will be taken to the **TV Wall List**. If your CMS
   server is connected to more than 1 TV Wall Server, you can select which server you
   would like to use by clicking on it.
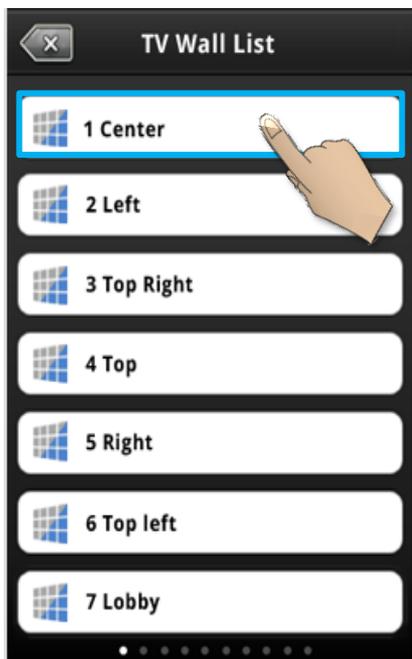
3) After selecting a TV Wall Server, you will be taken to **Screen Selection**. If your TV
   Wall Server is composed of more than 1 screens/monitors, you can select the
   screen/monitor that you would like to send your camera view to.
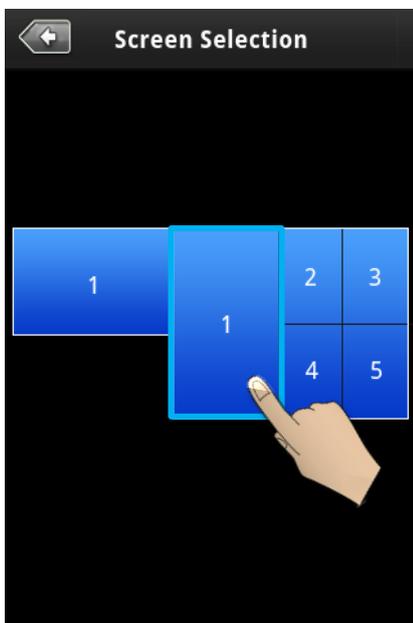
4) After choosing a screen/monitor, you will be taken to **Layout Selection**. The screen/monitor your chose may have layouts with multiple channels. Select the channel on the layout that you would like to send your camera view to.