# VISIX V-Series All-in-One Camera – Gen II

## VX-4V28-MD-IAW Quick Start Guide

v01-2017

# Table of Contents

# 1 Camera Overview

## 1.1 VX-4V28-MD-IAW Camera Description

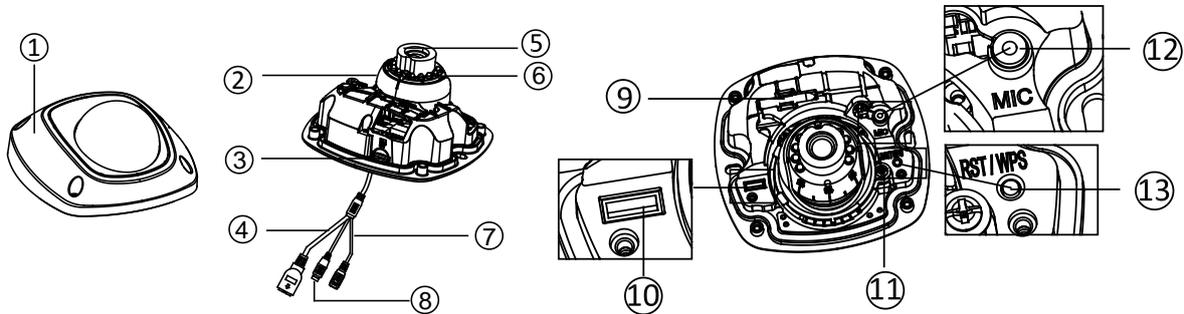See below for descriptions of the different camera components.



Figure 1-1 **Overview**

| Number | Description |
|--------|-------------|
| 1 | Front Cover |
| 2 | Dome Drive |
| 3 | Micro SD Card Slot |
| 4 | Network Cable |
| 5 | Lens |
| 6 | IR LED |
| 7 | Power Cable |
| 8 | Audio/Alarm Cable<br>I, O: Alarm In / Out<br>A: Audio Out<br>GND |
| 9 | Wi-Fi Antenna |
| 10 | Serial Port Interface |
| 11 | Hex Screw |
| 12 | MIC |
| 13 | RESET/WPS Button |

**NOTE:** Press and hold RESET for 10s when the camera is powering on or rebooting to restore the default settings, including the user name, password, IP address, port No., etc.

*AVAILABLE MOUNTS*

- MD Wall Mount (3xLOGIC Product #: VX-WM-MD)
- MD Pendant Mount (3xLOGIC Product #: VX-PM-MD)
- Universal Corner Mount (3xLOGIC Product #: VX-CM)
- Universal Pole Mount (3xLOGIC Product #: VX-POLE)

## 1.2 Installation

### INSTALLATION – CEILING MOUNT

*Steps:*

1. Drill the screw holes and the cable hole in the ceiling according to the supplied drill template.
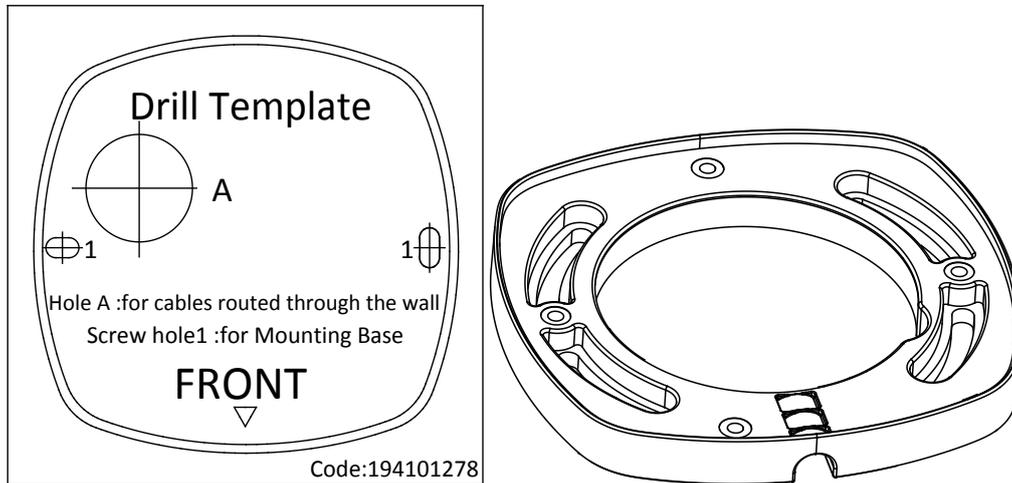


Figure 1-2 Drill Template/Adapter Plate

2. Loosen the set screw on the front cover to disassemble the camera with the supplied Allen key.
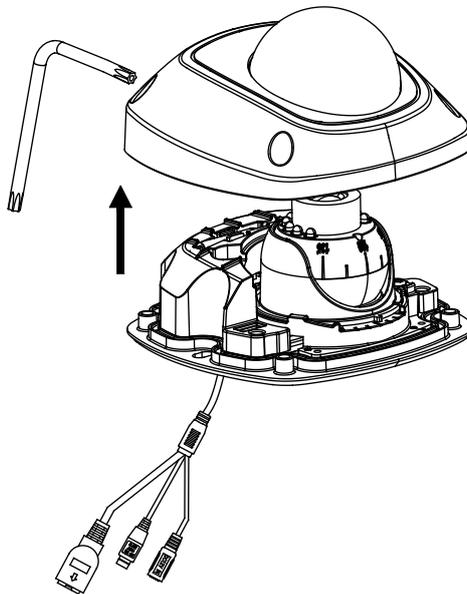


Figure 1-3 Disassemble the Camera

3.  Hammer the plugs of the expansion screws to the screw holes.

4.  Attach the adapter plate to the ceiling with the supplied expansion screws.
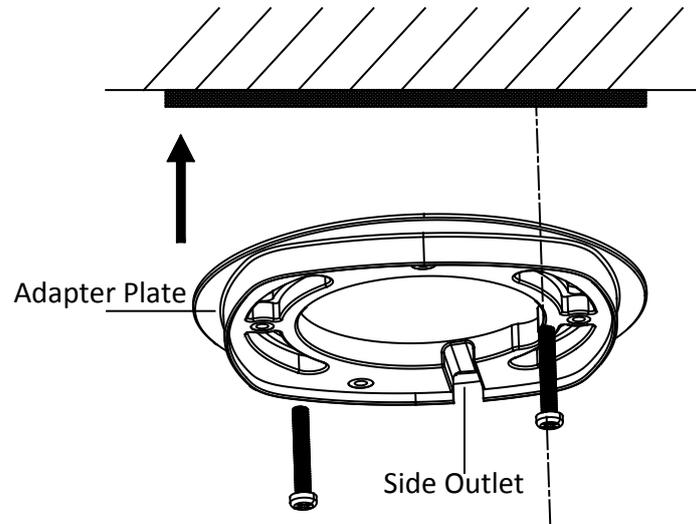


Adapter Plate

Side Outlet

Figure 1-4 **Attach the Adapter Plate**

**NOTE:** If the supplied drill template is type II drill template, you can skip step 3 and go straight to step 4.

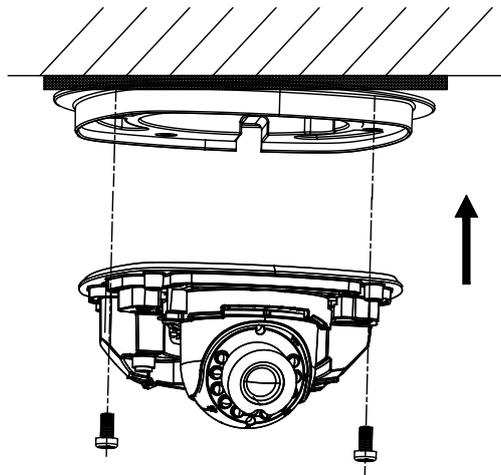5.  Attach the dome drive with the supplied PM4x8 screws.



Figure 1-5 **Attach the Dome Drive**

6.  Connect the power cable, network cable, and the alarm/audio cable.

**NOTE:** Use pliers to remove the removable part and route the cables via side outlet (as shown in Figure 5-7) if no cable hole is drilled in step 1, and connect the corresponding cables.
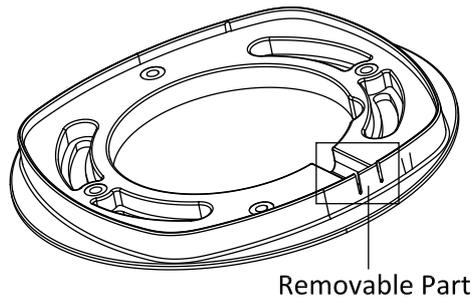
Figure 1-6 Remove the Removable Part

7. View the image via the web browser.

8. Slightly loosen the hex screw beside the WPS/RESET button to adjust the surveillance angle.

9. Use the supplied adjusting tool to adjust the pan [±30°], tilt [0~80°], and rotation direction [0~360°].
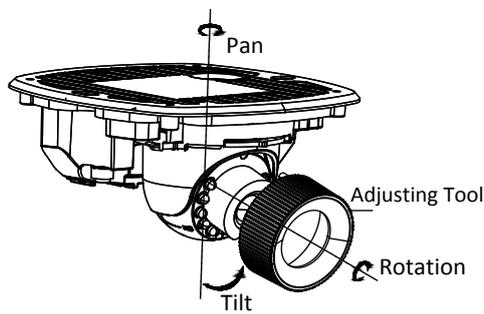


Figure 1-7 3-axis Adjustment

10. Tighten the hex screw to lock the camera at the desired surveillance angle.

11. Align the front cover to the dome drive and tighten the set screws on the front cover to complete the installation.



Figure 1-8 Install the Front Cover

12. Tear off the protection film softly to complete the installation.

### INSTALLATION — PENDANT MOUNT

***Steps:***

1. Install the bracket to the ceiling with the supplied screws in the ceiling bracket package.

**NOTE:** Wall mount product number: VX-PM-MD. Separate mount purchase is required if wall bracket mounting is adopted.

2. Attach the adapter plate to the ceiling bracket with the supplied PM4x8 screws.
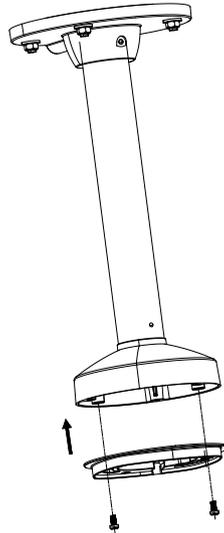


Figure 1-9 Attach the Adapter Plate

3. Install the dome drive to the adapter plate.



Figure 1-10 Attach the Dome Drive

4. Align the front cover to the dome drive and tighten the set screws on the front cover to complete the installation.

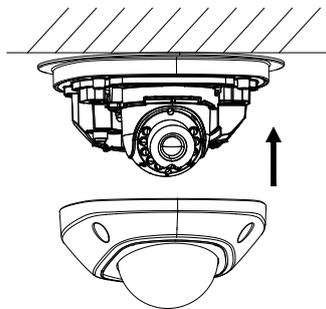Figure 1-11 Install the Front Cover

### INSTALLATION — WALL MOUNT

*Steps:*

1. Install the wall bracket to the wall with the supplied screws in the wall bracket package.

**NOTE:** Wall mount product number: VX-WM-MD. Separate mount purchase is required if wall bracket mounting is adopted.
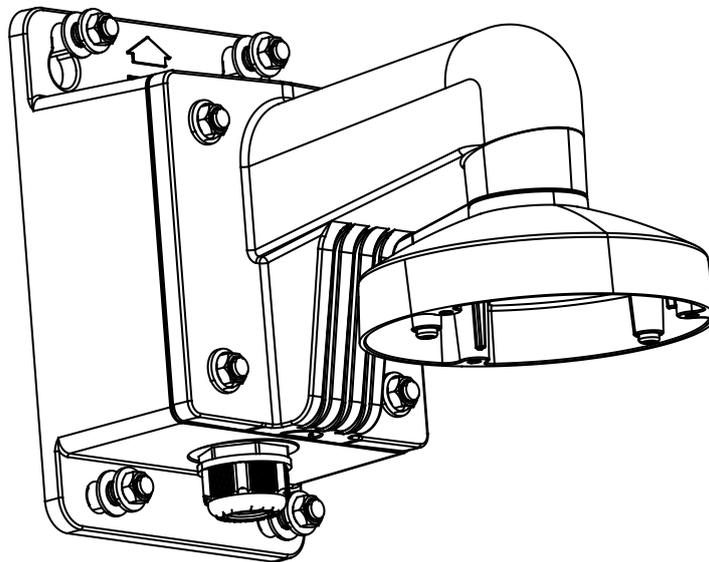
Figure 1-12 Install Wall Bracket

2. Attach the adapter plate to the wall bracket.
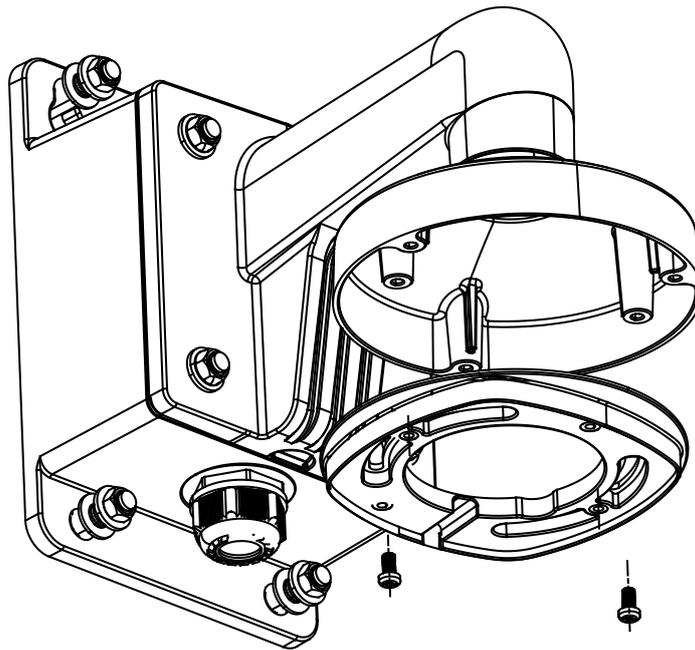


Figure 1-13 Attach the Adapter Plate

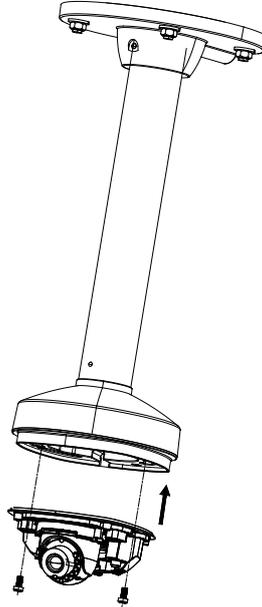3. Attach the dome drive to the wall bracket with the supplied screws.
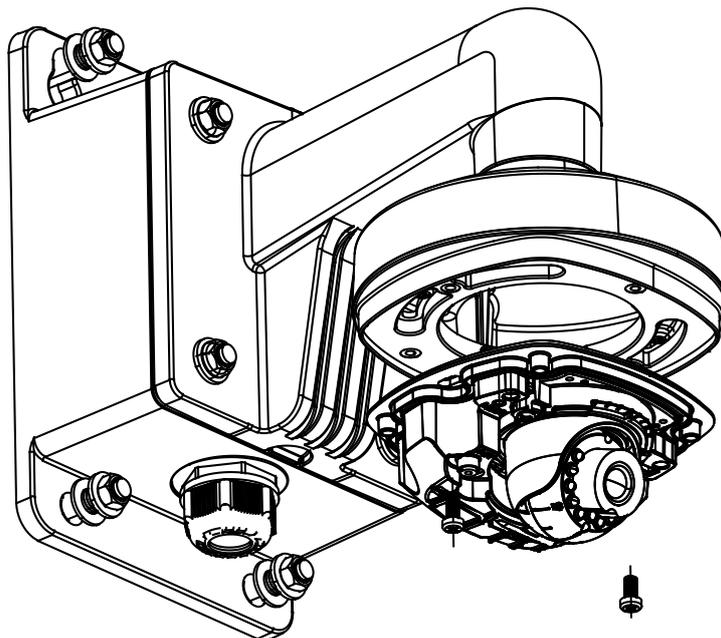


Figure 1-14 Attach the Camera

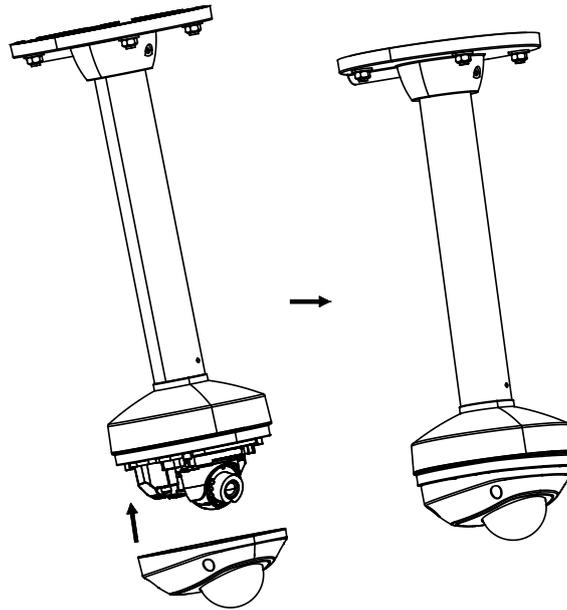4. Align the front cover to the dome drive and tighten the set screws on the front cover to complete the installation.
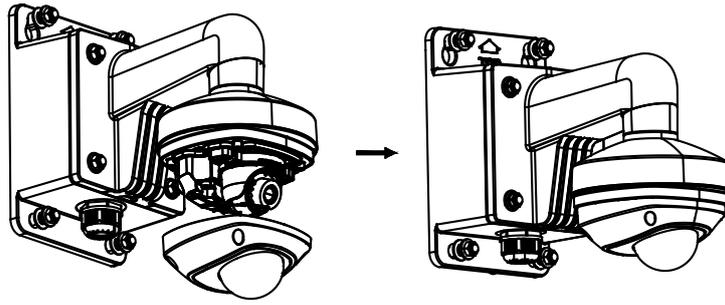
Figure 1-15 Install the Front Cover

## INSTALLATION — MICRO SD CARD

This series of camera supports local storage, please refer to the following steps to install the Micro SD card.

*Steps:*

1. Remove the front cover by loosening the set screws on it.
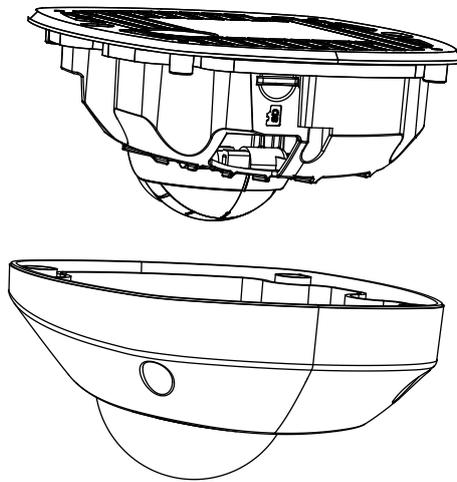


Figure 1-16 Remove the Front Cover

2. Insert the Micro SD card to the card slot until you hear a click.

3. (Optional) Slightly push the inserted Micro SD card to eject it from the camera.



Mirco SD Card
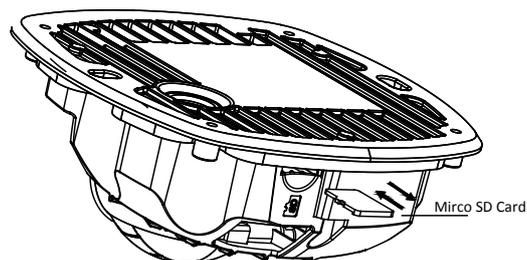
Figure 1-17 Inserting / Ejecting Micro SD Card

# 2 Camera Setup

## 2.1 WPS Setup

WPS (Wi-Fi Protected Setup, also known as AOSS or QSS) is a computing standard that attempts to allow easy establishment of a secure wireless network. A wireless router with the WPS function is required to enable the WPS function of the camera. Refer to the steps below.

***Steps:***

1. Press the WPS button on the router.

2. Press the WPS button (about 2s) on the camera within 120s of enabling the WPS on the router to join the wireless network.

**NOTES:**
- The WPS button works as a reset button only when you press it when the camera is powering on.
- Press the WPS button on the camera, and then press the WPS button on the router will establish a connection as well, and the expire time of WPS connection on the camera is 120s.
- The link indicator blinks if the wireless connection is succeeded.

## 2.2 Available Camera Setup Tools

All V-Series camera models can be quickly setup for recording and remote monitoring out-of-the-box using one of two tools; either the **3xLOGIC VSX Setup Tool (iOS and Android)** mobile app or **3xLOGIC All-in-One PC Setup** software, depending on your network environment.

- The **3xLOGIC VSX Setup Tool (iOS and Android)** can be installed on a mobile device running Android or iOS and has been engineered for use in all **DHCP-enabled** networks. This app scans the camera's QR code to establish a connection with the camera and pushes configured settings to the camera via the cloud.

- The **3xLOGIC All-in-One PC Setup** software must be installed on a Windows PC running on the same network as the cameras and is intended for use in large-scale deployments or for **non-DHCP networks**. The app detects cameras at which point an appropriate IP address can be assigned to the camera to establish external internet connectivity.  The app then pushes configured settings to the selected camera via the cloud.

## 2.3 Camera Setup - DHCP -Enabled Networks

For DHCP-enabled networks where the camera is hardwired or wirelessly connected to the local network, manual configuration is possible, however the **3xLOGIC VSX Setup Tool (iOS and Android)** is highly recommended:

1. Ensure the connected network provides a DHCP address and allows outbound access to the internet. For installations where DHCP is not available or where the camera is being used with an appliance see Section 2.3 Camera Setup - Non-DHCP Networks.

2. Download VSX Setup app from your devices' app store.



3. Follow prompts in the VSX Setup app, and scan the camera's QR to complete configuration and enrollment.

4. You will be required to activate the camera by assigning a complex password.

5. Be sure to remember the VIGIL Connect Alias as well as the username and password you assign to the camera. These credentials will be required to add the camera to other VIGIL utilities.

6.  Ensure that the camera is configured with the proper time zone, auto daylight savings update and set for NTP (auto time sync).

7.  The cameras live view will be displayed in the app for final positioning.

8.  Setup results can be emailed upon completion for easy monitoring configuration.
    **Note:** The V-Series camera will automatically check for updates and format the SD card.  Please allow 15 minutes before power cycling the camera.

## 2.4 Camera Setup - Non-DHCP Networks

The **3xLOGIC All-in-One PC Setup** software was engineered specifically for use in non-DHCP networks where the mobile app (requires DHCP) cannot be used to configure the camera.  A laptop connected to the same network as the camera will be required to discover the camera and assign a valid IP address using the **3xLOGIC All-in-One PC Setup**.

1.  Download and install the 3xLOGIC All-in-One PC Setup Utility for Windows from: http://www.3xlogic.com/support-center/software

2.  Confirm the PC is networked with the cameras then launch the utility.  If properly networked, the utility will automatically detect cameras on the network (click **Refresh** to refresh the list).

3.  Select the desired device from the list of available cameras.

4.  Click IP Setup and assign the desired IP.

5.  Fill out installer and company information.

6.  To activate the camera, you will be required to assign a complex password.

7.  Confirm the camera Live View preview is as desired and click **Continue**.

8.  Adjust any/all camera settings including the camera name and VIGIL Connect alias. Be sure to remember the VIGIL Connect Alias as well as the username and password you assign to the camera. These credentials will be required to add the camera to other VIGIL utilities.

9.  Fill out remaining information and complete steps in the setup tool to receive an installation summary e-mail.

    **Note:** The V-Series camera will automatically check for updates and format the SD card.  Please allow 15 minutes before power cycling the camera.

## 2.5 Remote Monitoring and Viewing - Adding a V-Series Camera to VIGIL Client

*Steps:*
To interface a V-Series Camera with VIGIL Client:

1.  Launch VIGIL Client (*Local Mode* only; VCM mode will only display Servers from a networked VCM Server) and select **Servers** from the **Servers** top menu. This will launch the Servers window. VISIX V-Series devices are considered edge recording devices and thus are recognized as their own VIGIL Server within the VIGIL suite.

2.  Click **Add**. This will deploy the **Add/Edit VIGIL Server** window.

3.  Enable the **Use VIGIL Connect** option. If connecting using traditional network connection criteria is desired, enter the cameras **IP Address/DNS Name** and confirm TCP/IP port status.

4.  Enter in the VIGIL Connect alias of the desired V-Series Camera (**VIGILTest1** used in the below example). Skip this step if using traditional network connection criteria (IP/Port).

5.  Click **Test VIGIL Connect** to confirm the camera can be communicated with through the Connect system using the provided alias. Skip this step if using traditional network connection criteria (IP/Port).
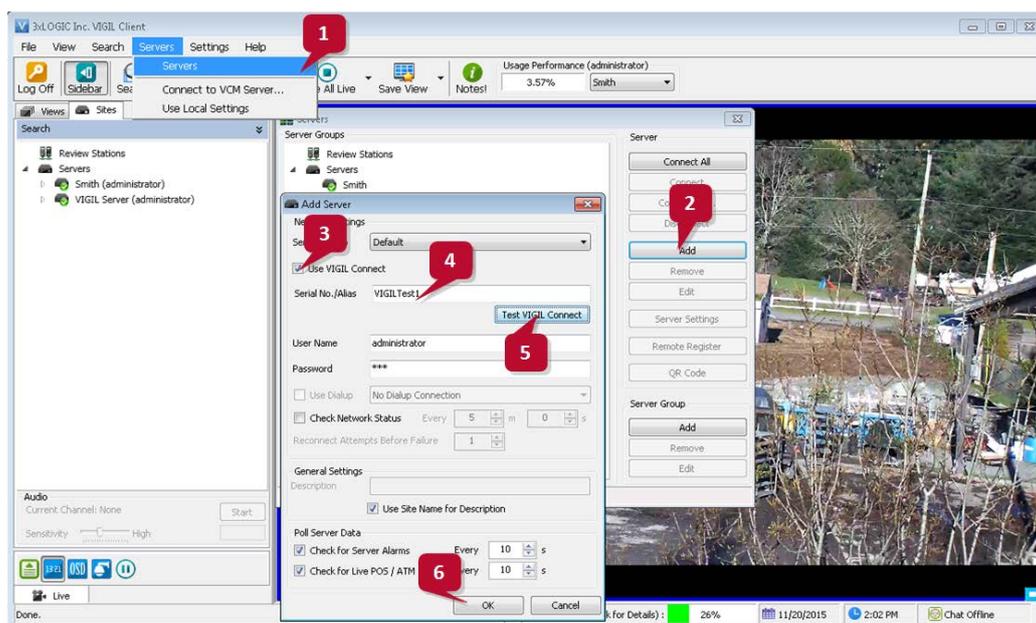
Figure 2-1 Adding V-Series Camera to VIGIL Client

6. If the test is successful, then VIGIL Client can successfully communicate with the Server. Click **OK** at the bottom of the **Add Server** window after configuring all required fields to save the new Server to VIGIL Client. For more information on configuring VIGIL Servers, please see **Section 5.1** of the VIGIL Client Users Guide.

> **NOTE:** The camera will be visible in the Client treeview and will be represented by a 📷 icon. The camera video stream can be added to the VIGIL Client viewer in the same manner as VIGIL Server cameras; Simply extend the camera's drop-down menu and double click the icon to add it to the viewer. Alternatively, a user can drag-and-drop the camera stream icon into the desired frame of the VIGIL Client viewer.

For more information on configuring VIGIL Servers/V-Series All-in-One camera in VIGIL Client, please see **Section 5.1** of the VIGIL Client Users Guide

## 2.6 Remote Monitoring and Viewing - Adding a V-Series Camera to 3xLOGIC View Lite II Mobile (Android and iOS)

*Steps:*

1. To interface a V-Series camera with 3xLOGIC's View Lite II mobile app, launch the View Lite II app on your mobile device (Android OS is pictured in the below screenshot, however, the process is identical in the iOS version).

2. Open the *Options* side menu and select **Server Configuration**. The Video Source list will display.
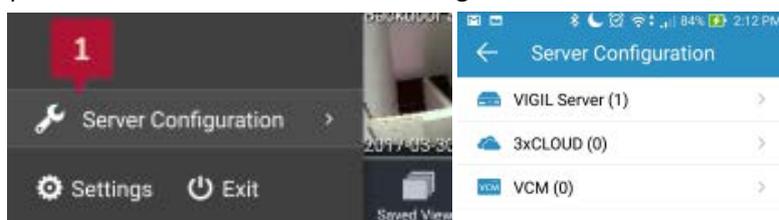


Figure 2-2 Opening Video Source Menu

3. Select VIGIL Server. VISIX V-Series devices are considered edge recording devices, and thus are recognized as their own VIGIL Server within View Lite II. The VIGIL Server window will now deploy. A menu of all VIGIL Servers already interfaced with View Lite II will be visible.

Figure 2-3 **:** Adding a Video Source - Add Video Source

4.  To add a new instance of a video source, tap the  icon.

5.  Enable **VIGIL Connect.** Alternatively, if you wish to use traditional network connection criteria, leave **VIGIL Connect** disabled and enter in an **IP/DNS Name** and **Port** info (if using standard network connection criteria, also ignore step 6 of these instructions) for the device.

6.  Enter in the VIGIL Connect alias for the desired VISIX V-Series camera (VSeriescam1 used in the above example).
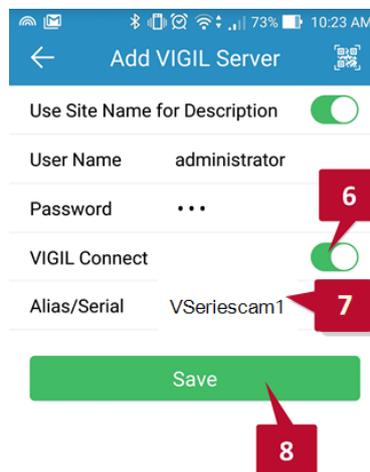


Figure 2-4 View Lite II - Add/Edit Server Form - Android

7.  Fill in the remaining required fields and tap **Save** to save the V-Series camera to View Lite II. A user may now add the camera stream to the View Lite viewer using the same process as adding VIGIL Server, VCM or 3xCLOUD networked cameras.

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