VISIX V-Series All-in-One Cameras

VX-2AD3B-IWD Quick Start Guide

v01-2018

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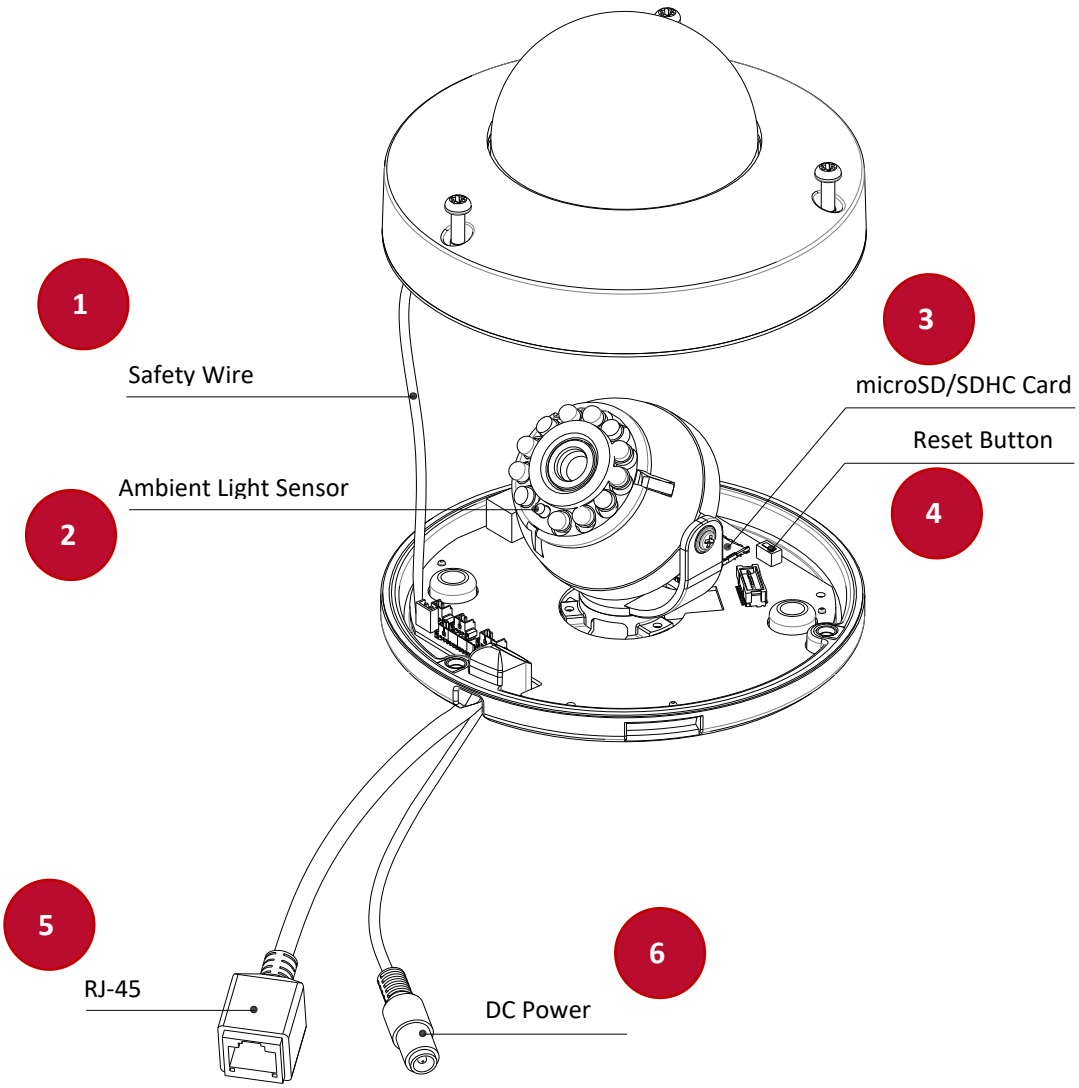
1 Part Names and Positions

Please check the names and the positions of each part with the following image.



* Model design and appearance are subject to change without any prior notice.

1). **Safety Wire** – The dome cover is attached to the camera body with this safety wire to prevent the dome cover from being dropped.

2). **Ambient Light Sensor** – Used to detect the level or the intensity of light for the IR operation. The sensor should not be blocked by any object.

3). **microSD/SDHC Card Slot** – Up to 64 GB supported. Class 4 and higher recommended for HD recordings.

4). **Reset Button** – It restarts the device or resets it to the factory default settings. Refer to **Section 6:** Reboot and **Section 7:** Factory Default for more details.

5). **RJ-45** – For the connection of an RJ-45 LAN cable for 10/100 Base-T Ethernet (PoE supported).

6). **DC Power Jack** – For the connection of the provided DC12V adaptor for power supply unless it is PoE powered.

2 Installation

There is only one mounting type of the device explained in this manual. Refer to the device's installation guide for more various mounting types.

Steps:

1). Place the installation template included in the package on the desired installation surface.

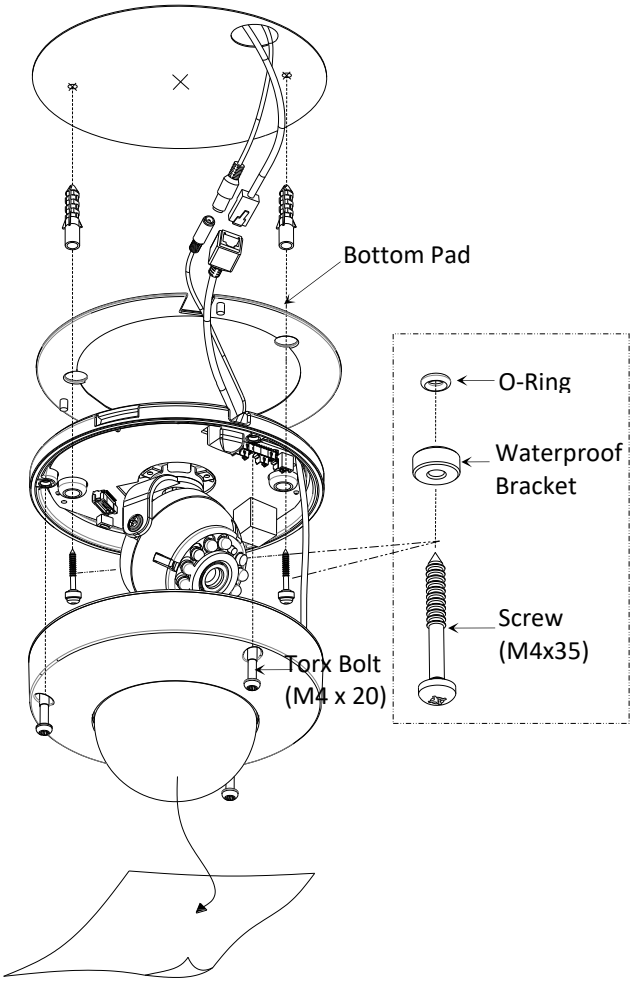
2). Drill the two holes for the plastic anchors and a big hole for the cable lines based on the template paper, and insert the plastic anchors into the drilled holes.

3). Attach the provided bottom pad to the bottom of the camera body for the prevention of water permeation.

4). Detach the dome cover from the camera body by loosening the three screws with the provided Torx wrench (T20).

5). Make the screws(M4x35) ready for the installation: Insert the provided waterproof bracket and the O-ring into the screw in a row by placing the head of the bracket beneath the screw head by reference to the squared image on the left.

6). Take the camera to the ceiling, and connect the necessary cables including a LAN cable and a power cable (or PoE cable) dropped from the ceiling to the corresponding connectors on the camera.



7). Align the screw holes on both sides of the camera body and the installation surface, insert the screws prepared at the step 5 into the screw holes on the camera body, and tighten them into the plastic anchors on the ceiling with a screw driver.

8). Adjust the angle of the camera. Refer to **Section 3:** Adjusting Angle of the Camera for more details.

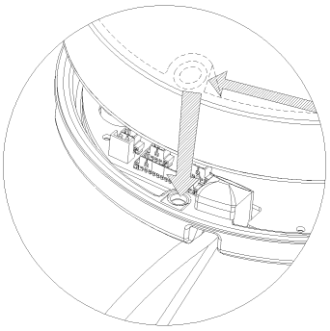
9). Reattach the dome cover to the camera body by aligning the screws on the dome cover with the alignment holes on the camera body. Refer to the caution below for the alignment method.

10). Once properly aligned, tighten the screws into the camera body with the provided Torx wrench (T20) for the firm attachment of the dome cover. Then, remove the protection film from the dome cover.

2.1 Reattachment of Dome Cover - Alignment

The screw hole where the cable line passes has a block next to it due to the cables underneath.
Thus, the part shaped differently from the other two screw hole parts shall be aligned with the corresponding part of the dome cover, which is also shaped differently from the other two parts.

Refer to the image on the right for the clarification.

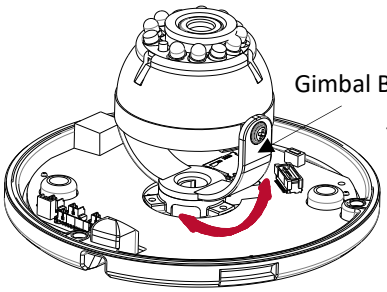


CAUTION:
Do not forcefully pull or shake the dome cover as it is linked to the camera body with a safety wire.

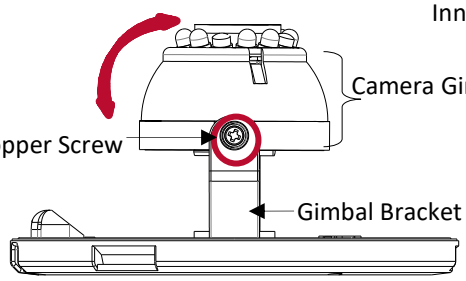
CAUTION:
To prevent products from damage, place the camera on stable and non-vibrating surfaces. If the stability is in doubt, consult the safety personnel for reinforcements, and then proceed with the installation.

3 Adjusting Angle of the Camera

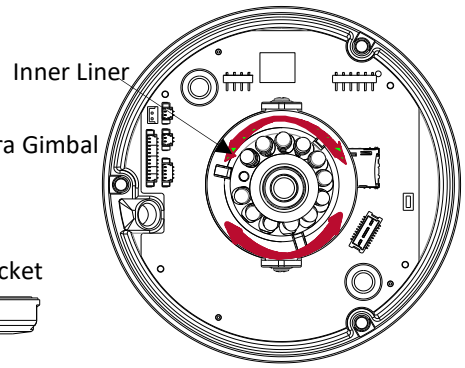
Adjust the angle of the camera by manually moving the corresponding parts by reference to the directions below.



A. To pan, rotate the gimbal bracket horizontally.



B. To tilt, tilt the camera gimbal by vertically adjusting it.



C. For the horizontal rotation of the lens, rotate the inner liner clockwise or counter-clockwise.
with the inner liner.

CAUTION:
Refrain from continuous rotation of the gimbal or the inner liner to a single direction as they are attached to the IR-LED cable inside.

CAUTION:
Be careful not to make the ambient light sensor hidden by the dome cover when adjusting the camera angle. The ambient light sensor shall be uncovered for its normal operation.

CAUTION:
Tighten the tilt stopper screw after the angle adjustment is completed.

4 Accessing Camera Settings and Video

To begin viewing video or configuring a camera's network settings from the camera's web interface, the user must first identify the device's IP address. The default IP address of the camera is **192.168.XXX.XXX.** The default subnet mask is **255.255.0.0**

On simple, private networks, a user can manually identify the IP address of the camera by converting the camera's MAC address hex values, however, the alternative method, which is recommended by 3xLOGIC, is to use the 3xLOGIC (VSX-IP) Camera Setup Utility. The utility makes detection and configuration of VISIX camera's in any network environment simple and easy, regardless of network complexity.

Both methods require that the camera and the PC being used to communicate with it reside on the same network.

4.1 Manually Locate Camera IP Address (MAC Address HEX Conversion)

Users can access the camera's web interface and settings using a device's default IP address: In case of generic private network environment where IP address **192.168.XXX.XXX** are used, the following procedure can be used to identify a device's IP address.

Steps:

1). Convert the device's MAC address to the IP address. Refer to **Section 10:** Steps:

2). 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).

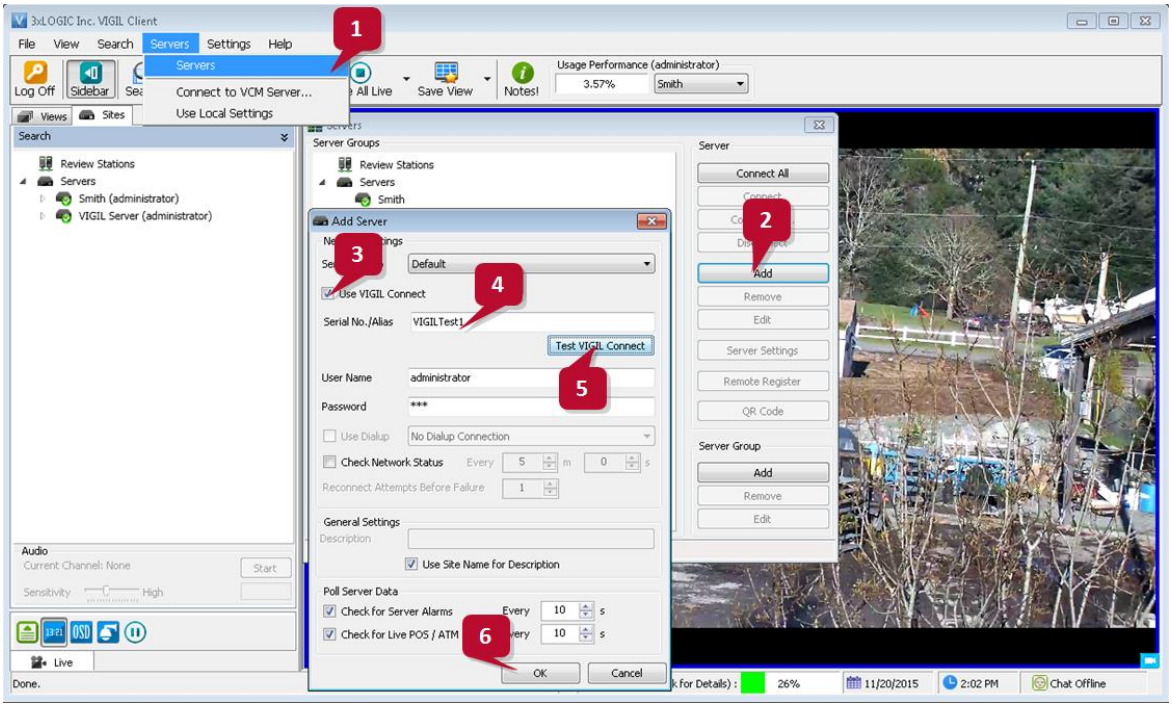


Figure 4-4: Adding V-Series Camera to VIGIL Client

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

5.1 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.

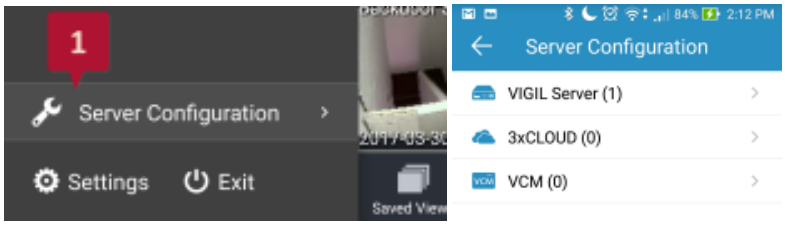
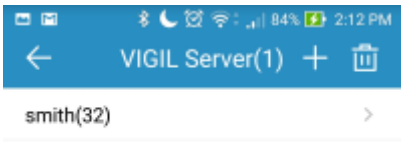


Figure 4-5: Opening Video Source Menu

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 4-6: 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).

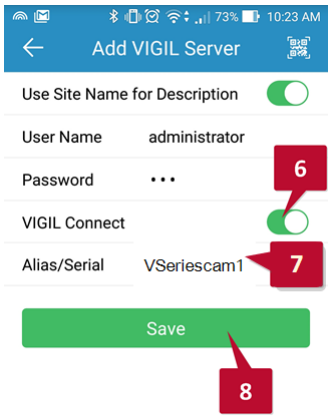
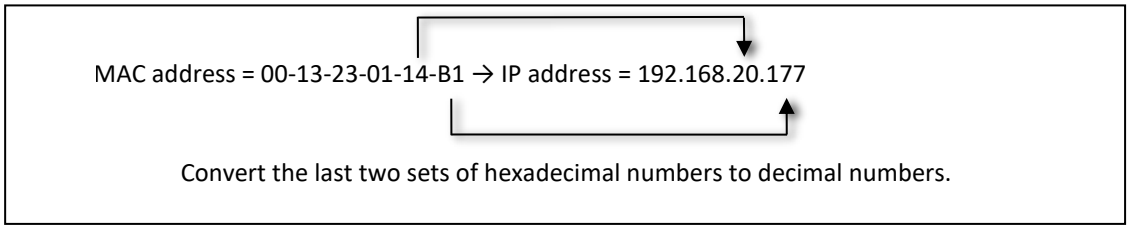


Figure 4-7: View Lite II - Add/Edit Server Form - Android

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.

3). Hexadecimal-Decimal Conversion Table at the end of the manual (the MAC address of the device is written on the label affixed to the side or bottom of the device).



4). Start the Microsoft® Internet Explorer/Edge web browser and enter the address of the device.

5). Web streaming and device configurations are supported through ActiveX program. When the ActiveX installation window appears, authorize and install the ActiveX.

4.2 Automatically Detect Camera IP Address with 3xLOGIC Camera Setup Utility

Using the 3xLOGIC Camera (VSX-IP) Setup Utility is recommended for any network environment as it will find all VISIX cameras across multiple subnet masks, utilizing mDNS search discovery. Camera information such as IP Address, Subnet Mask and Gateway Settings will be displayed and can be edited from this utility.

Steps:

1). To search for a device, launch the utility (VISIXIPUtility.exe), click on **Detect Online Devices/ Change IP Address** to proceed to the **Online Devices** window.

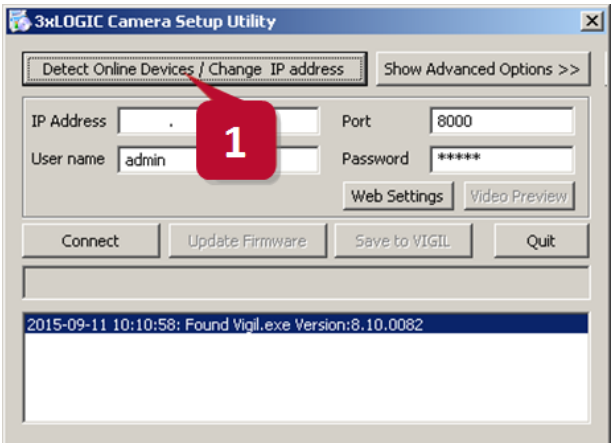


Figure 4-1: Identifying Device and Editing IP Settings

After clicking **Detect Online Devices/ Change IP Address** on the main page you will be taken to the Online Devices window. A list of all VISIX devices discovered on your network will be visible.

2). To select a device, click on the desired device in the generated menu under the **Select Online Devices** area.

3). To change an IP Address for a selected VISIX camera in the **Detect Online Devices** window, select the desired camera, click on the **Change IP Address** button. The fields under the **Configure IP Address** area will un-grey to allow for manual editing of camera IP addresses as well as other settings.

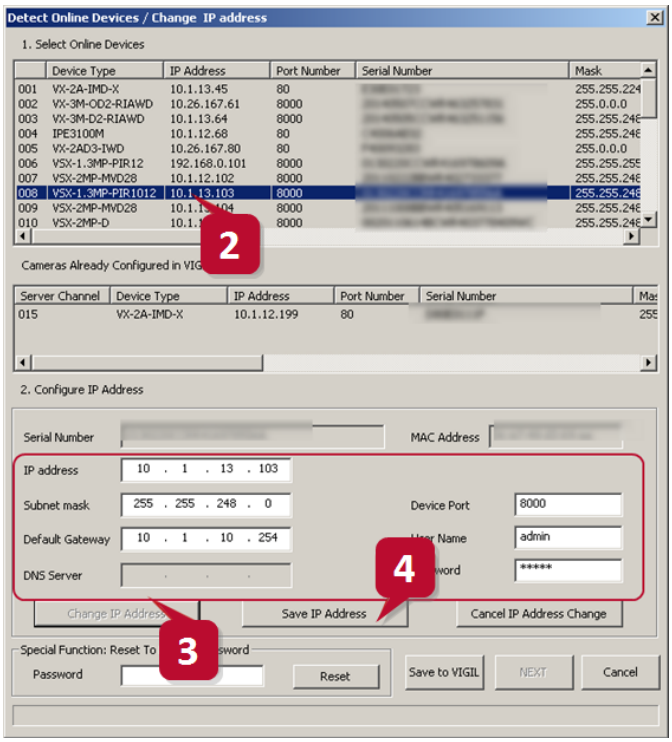


Figure 4-2: Identifying Device and Editing IP Settings

4). When you have finished editing the settings, click **Save IP Address** to save new changes.

5). Start the Microsoft® Edge/Internet Explorer web browser and enter the address of the device.

6). Web streaming and device configurations are supported through ActiveX program. When the ActiveX installation window appears, authorize and install the ActiveX.

5 View Video on Camera Web Interface

Once the device's proper IP address has been identified, type the IP into a web browser URL (Microsoft Internet Explorer/Edge required for ActiveX control) to view the camera's web interface and video stream images. The default username and password is **admin/12345.** After initial access, an ActiveX control installation pop up may deploy. ActiveX is required for viewing video in the browser.

5.2 Installation of ActiveX Control

Steps:

1). When the browser asks to install the AxUMF software, click **Install** to proceed.

2). When the setup installation pop-up window appears, click **Install** to proceed with rest of installation.

NOTE:

Depending on system OS and Internet Explorer version, installation experience may differ from one another. Figures described above are from Windows 7, Internet Explorer 9 environment.

Upon completion, the camera's web interface will be fully accessible for video viewing and settings configuration.

6 Reboot

Perform the following procedures to reset your device:

Steps:

1). Press the Reset button, and hold it for 2 seconds while the device is in use.

2). Wait for the system to reboot.

-Or-

1). Open the 3xLOGIC Camera Setup Utility.

2). Select your device.

3). Open Advanced Settings.

4). Click **Reboot.**

CAUTION:

Please do not hold the reset button for more than 2 seconds. Otherwise, the camera may be switched to its Factory Default settings.

7 Factory Default

Resetting the device back to the factory default will reinitialize all parameters including the IP address back to the factory defaults. To reset back to the factory default:

Steps:

1). Press the reset button and hold it while the device is in use.

2). Release the button after about 10seconds.

3). Wait for the system to reboot.

NOTE:
The factory default connection settings are as follows:

Factory Default Connection Settings	
IP Address	192.168.XX.YY
Network Mask	255.255.0.0
Gateway	192.168.0.1
User ID	admin
Password	12345

8 Configure the Camera's VIGIL Connect Alias

VIGIL Connect allows VIGIL VMS users to remotely connect to a VIGIL Server/V-Series All-in-One camera using the system serial number or a user defined VIGIL Connect **alias**, without the need for extensive changes to an existing network's settings. This allows for the device to be networked with other VIGIL suite utilities with little effort and minimal knowledge of the device's network connection values.

Steps:

1). To configure a VIGIL Connect alias, navigate to the camera's **Basic Tab>Camera Configuration Menu>Site Information Settings** page.

Figure 4-3: Configuring a VIGIL Connect Alias

2). Fill in the **VIGIL Connect Alias** field with an alias of your choosing.

3). Click **Apply** to save the new alias.

Your VISIX V-Series All-in-One camera can now be networked with other 3xLOGIC utilities and VIGIL suite applications (VIGIL Client, VIGIL VCM, View Lite II(Android and iOS), 3xCLOUD, etc…) using only the camera's VIGIL Connect Alias.

9 Remote Monitoring and Viewing

5.3 Adding a V-Series All-in-One Camera to VIGIL Client

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

7. 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.
8. Click **Add**. This will deploy the **Add/Edit VIGIL Server** window.
9. 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.
10. 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).
11. 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).

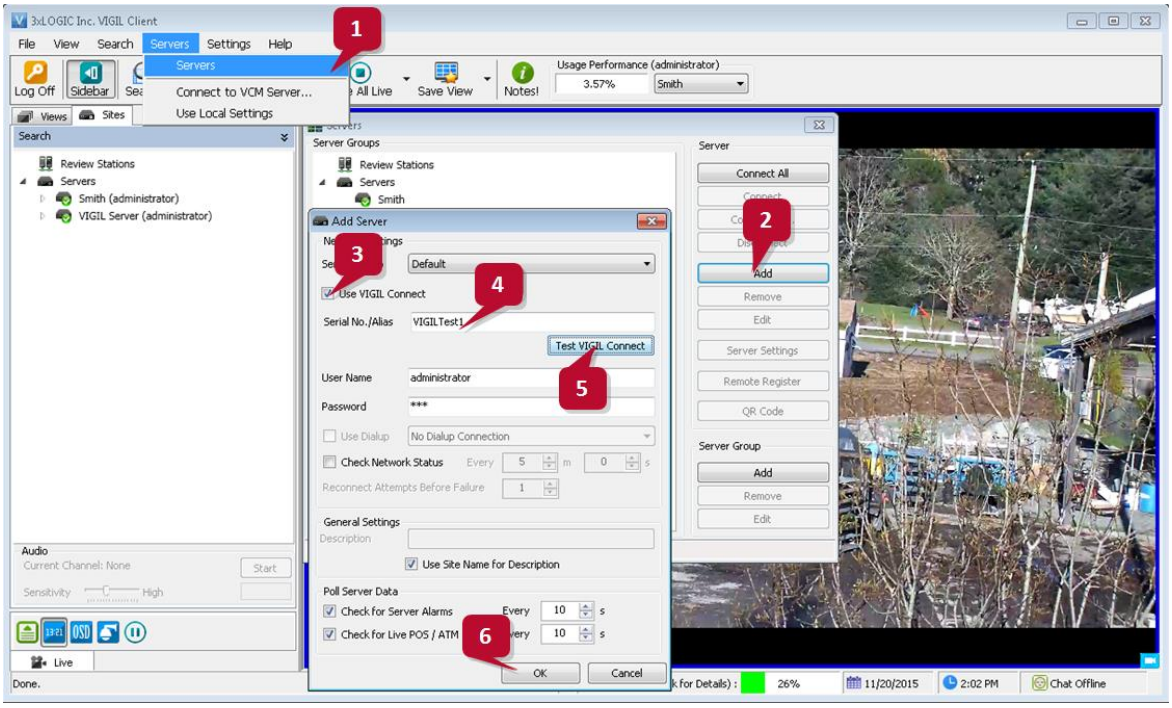


Figure 4-4: Adding V-Series Camera to VIGIL Client

12. 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

5.4 Adding a V-Series Camera to 3xLOGIC View Lite II Mobile (Android and iOS)

Steps:

8. 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).
9. Open the *Options* side menu and select **Server Configuration**. The Video Source list will display.

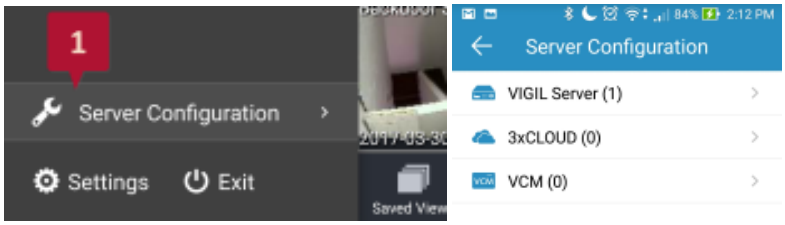
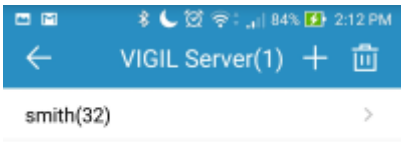


Figure 4-5: Opening Video Source Menu

10. 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 4-6: Adding a Video Source - Add Video Source

11. To add a new instance of a video source, tap the icon.
12. 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.
13. Enter in the VIGIL Connect alias for the desired VISIX V-Series camera (VSeriescam1 used in the above example).

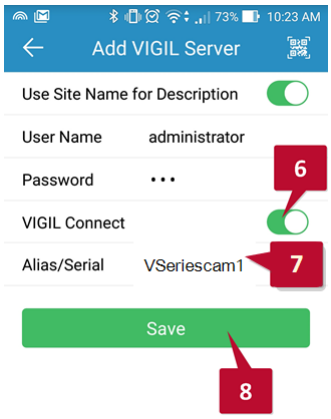


Figure 4-7: View Lite II - Add/Edit Server Form - Android

14. 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.

10 Hexadecimal-Decimal Conversion Table

Refer to the following table when you convert the MAC address of your device to IP address.

Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec
0	0	25	37	4A	74	6F	111	94	148	B9	185	DE	222
1	1	26	38	4B	75	70	112	95	149	BA	186	DF	223
2	2	27	39	4C	76	71	113	96	150	BB	187	E0	224
3	3	28	40	4D	77	72	114	97	151	BC	188	E1	225
4	4	29	41	4E	78	73	115	98	152	BD	189	E2	226
5	5	2A	42	4F	79	74	116	99	153	BE	190	E3	227
6	6	2B	43	50	80	75	117	9A	154	BF	191	E4	228
7	7	2C	44	51	81	76	118	9B	155	C0	192	E5	229
8	8	2D	45	52	82	77	119	9C	156	C1	193	E6	230
9	9	2E	46	53	83	78	120	9D	157	C2	194	E7	231
0A	10	2F	47	54	84	79	121	9E	158	C3	195	E8	232
0B	11	30	48	55	85	7A	122	9F	159	C4	196	E9	233
0C	12	31	49	56	86	7B	123	A0	160	C5	197	EA	234
0D	13	32	50	57	87	7C	124	A1	161	C6	198	EB	235
0E	14	33	51	58	88	7D	125	A2	162	C7	199	EC	236
0F	15	34	52	59	89	7E	126	A3	163	C8	200	ED	237
10	16	35	53	5A	90	7F	127	A4	164	C9	201	EE	238
11	17	36	54	5B	91	80	128	A5	165	CA	202	EF	239
12	18	37	55	5C	92	81	129	A6	166	CB	203	F0	240
13	19	38	56	5D	93	82	130	A7	167	CC	204	F1	241
14	20	39	57	5E	94	83	131	A8	168	CD	205	F2	242
15	21	3A	58	5F	95	84	132	A9	169	CE	206	F3	243
16	22	3B	59	60	96	85	133	AA	170	CF	207	F4	244
17	23	3C	60	61	97	86	134	AB	171	D0	208	F5	245
18	24	3D	61	62	98	87	135	AC	172	D1	209	F6	246
19	25	3E	62	63	99	88	136	AD	173	D2	210	F7	247
1A	26	3F	63	64	100	89	137	AE	174	D3	211	F8	248
1B	27	40	64	65	101	8A	138	AF	175	D4	212	F9	249
1C	28	41	65	66	102	8B	139	B0	176	D5	213	FA	250
1D	29	42	66	67	103	8C	140	B1	177	D6	214	FB	251
1E	30	43	67	68	104	8D	141	B2	178	D7	215	FC	252
1F	31	44	68	69	105	8E	142	B3	179	D8	216	FD	253
20	32	45	69	6A	106	8F	143	B4	180	D9	217	FE	254
21	33	46	70	6B	107	90	144	B5	181	DA	218	FF	255
22	34	47	71	6C	108	91	145	B6	182	DB	219		
23	35	48	72	6D	109	92	146	B7	183	DC	220		
24	36	49	73	6E	110	93	147	B8	184	DD	221		

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