

Envysion[®]

a Motorola Solutions Company

Quick Tips Guide

Welcome to your Envysion Installation.
Here is a Quick Tips Guide to get you started.

Table of Contents:

Required Installation Equipment Checklist:	3
IP Only Set Up:	3
Analog/Hybrid Set Up:	3
EnVR Types	4
Cabling Path Setups:	5
IP Only Setup	6
IP Only Daisy Chain	7
Analog Camera Setup	8
Cameras with Grommets	9
Analog Audio	10
Monitor	11
Panic Buttons	12
SmartAlarm™ Siren	13
Locally Setting IP Address to Static or DHCP if needed	14
System Log In	15
Device Manager (DM) - Camera Provisioning	17
Add New Cameras & Channels to Envysion App	17
Replacing Camera(s) and Channel(s) on the Envysion App	20
Manually Adding Camera Steps:	22
Replace a DVR In the Application	24
Everything went great here. You are good to close and continue with the next steps.	26
This is an example of an error. Do NOT Retry the swap. Contact support.	26
Setting Up Audio In the Application	27
IP (in camera) Audio	27
Analog Audio Setup	28
PVM Setup through the App	29
Checking out of a Site	31
Troubleshooting	31
EnVR Error Codes	33
Port and IP Address Configuration for Whitelisting	34
Physical Connection Troubleshooting	35
If EnVR fails out of box:	35
Contact Us:	35
Appendix: Helpful Resources	36
Additional Video Resources:	36

Required Installation Equipment Checklist:

IP Only Set Up:

- ☐ Monitor
- ☐ Keyboard
- ☐ Cat 5/Cat 6 patch cables (min 3')
- ☐ Cable manufacturing tools
- ☐ RJ45 connectors
- ☐ Cable tester
- ☐ Punch down tools
- ☐ Basic hand tools (Screwdriver, hammer, pliers, torx security driver & bits, etc.)
- ☐ Caulk and caulk gun
- ☐ Blank Faceplates
- ☐ Battery powered drill & bits
- ☐ Cat 5 / Cat 6 cable (as needed)

Analog/Hybrid Set Up:






- ☐ Monitor
- ☐ Keyboard
- ☐ Cat 5/Cat 6 patch cables (min 3')
- ☐ Volt meter
- ☐ Spot monitor
- ☐ Basic hand tools (Screwdriver, hammer, pliers, torx security driver & bits, etc.)
- ☐ BNC connectors
- ☐ Cable crimper
- ☐ Siamese cable
- ☐ Cat 5 / Cat 6 cable (as needed)
- ☐ Caulk and caulk gun
- ☐ Battery powered drill & bits

EnVR Types

The EnVR is what records video onsite. There will be NO BNC ports on the back of the EnVR. We have 2 main form factors for the EnVR rack and tower. Towers look like a basic desktop pc from the front, and racks blend into the other equipment in the rack. The device with the BNC ports on the back will be an Encoder.

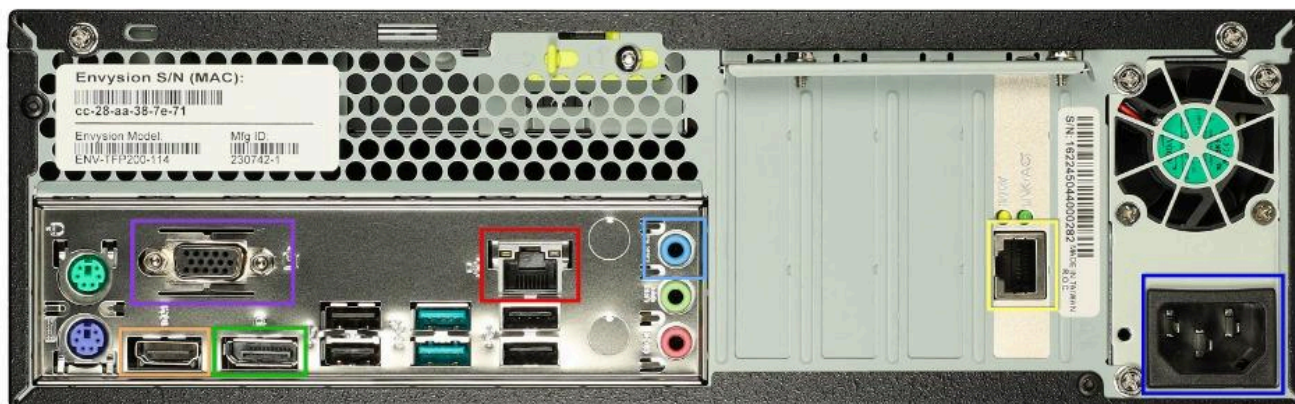
Email - envysion.installationsupport@motorolasolutions.com

Phone - **877-258-9441 Option 2** (M-F 6a - 6p MT)

	Power Cord
	Secondary Nic
	Primary Nic
	Display Port
	HDMI Port
	VGA Port
	Audio Port (3.5mm)



EnVR Rack Form Factor (1u)

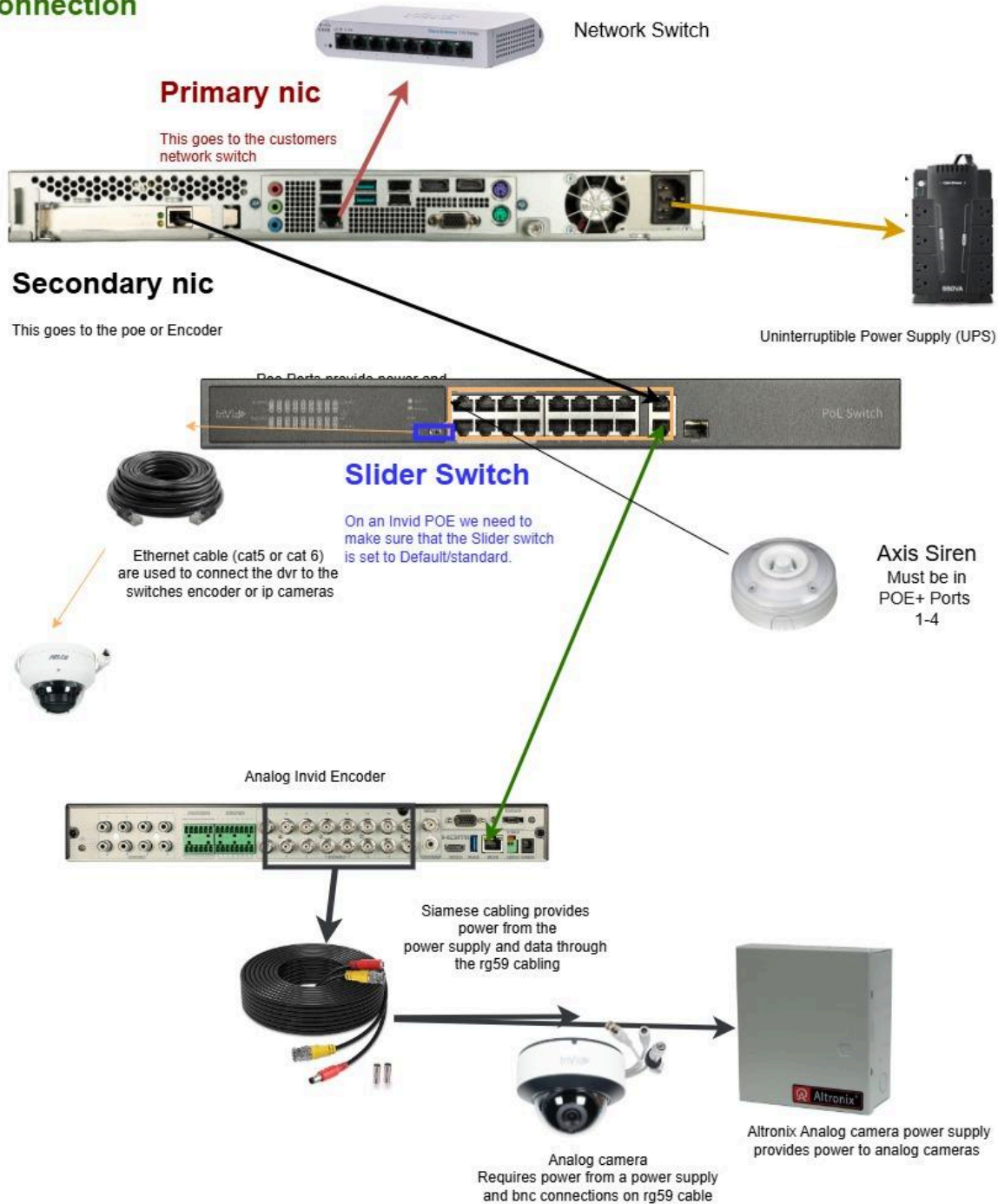


EnVR Tower Form Factor

Cabling Path Setups:

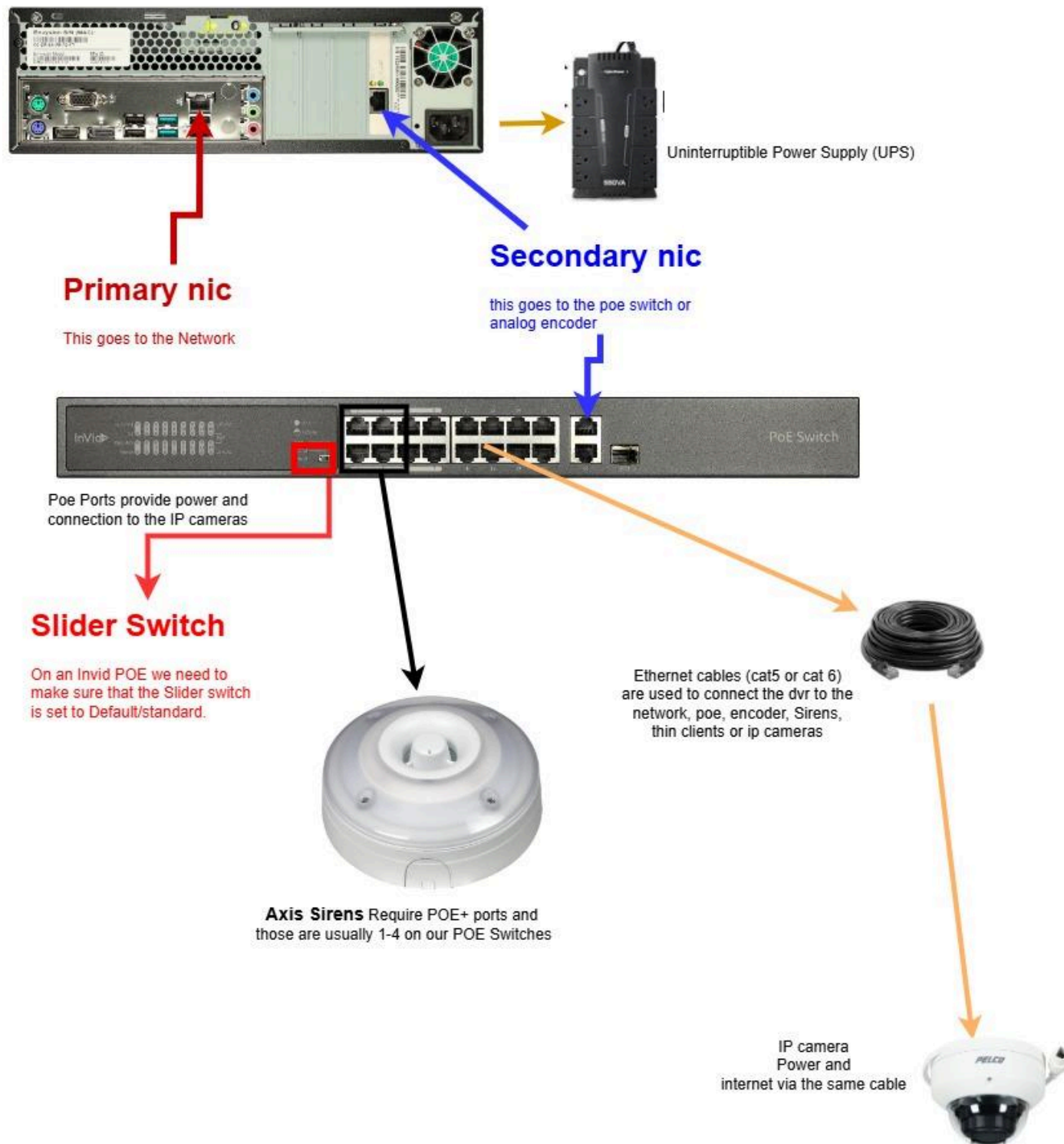
Hybrid Setup: This setup is for sites that will have both the analog camera setup and the IP camera setup. There are several ways to make it operational, we will have to verify the cabling path for each site.

Hybrid Connection



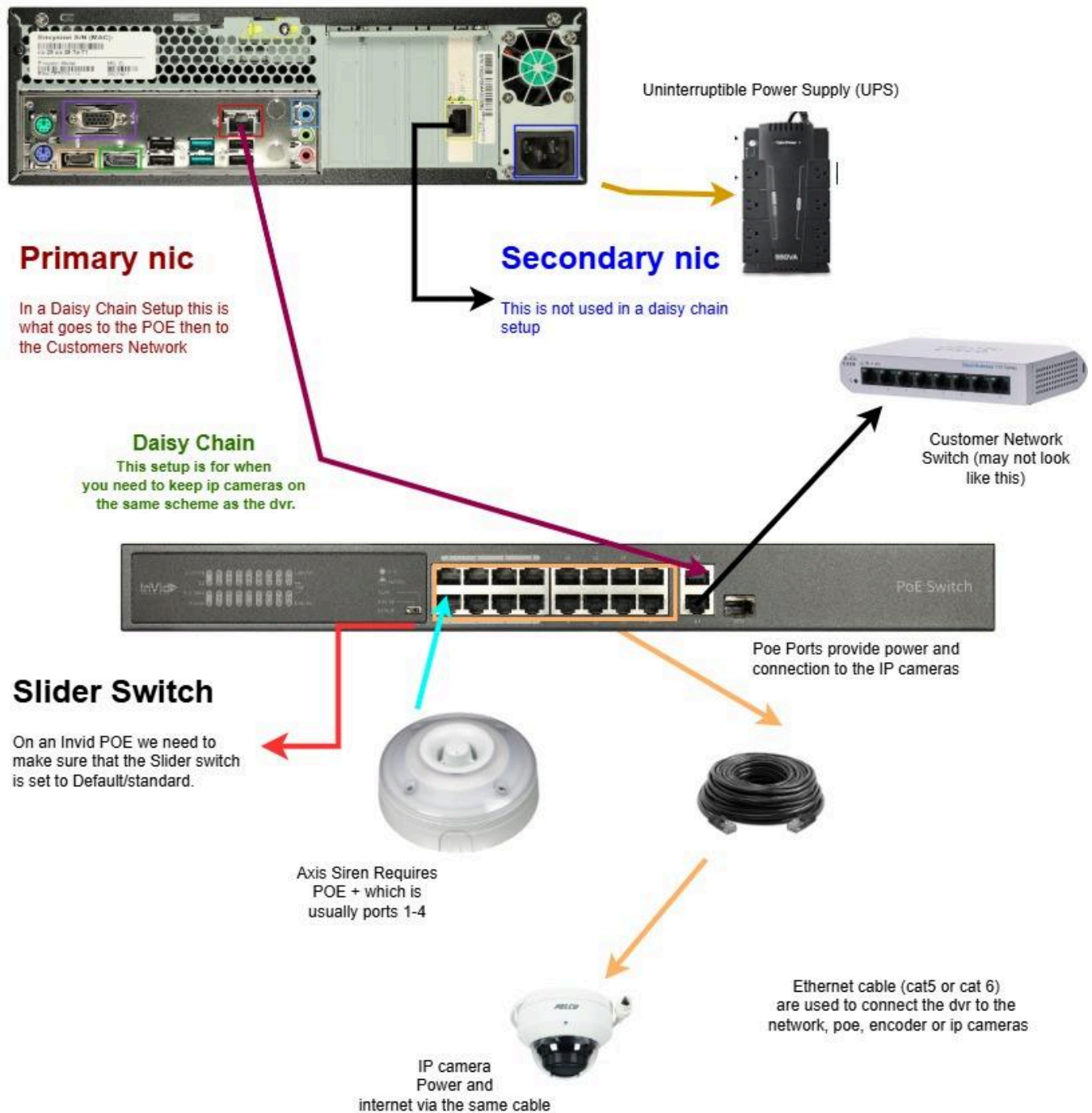
IP Only Setup

This setup supports IP cameras only, there are 2 technical setups for this depending on the site and current settings of the cameras. (If the cameras are set to the primary NICs IP they need to be plugged in “daisy chained”.)



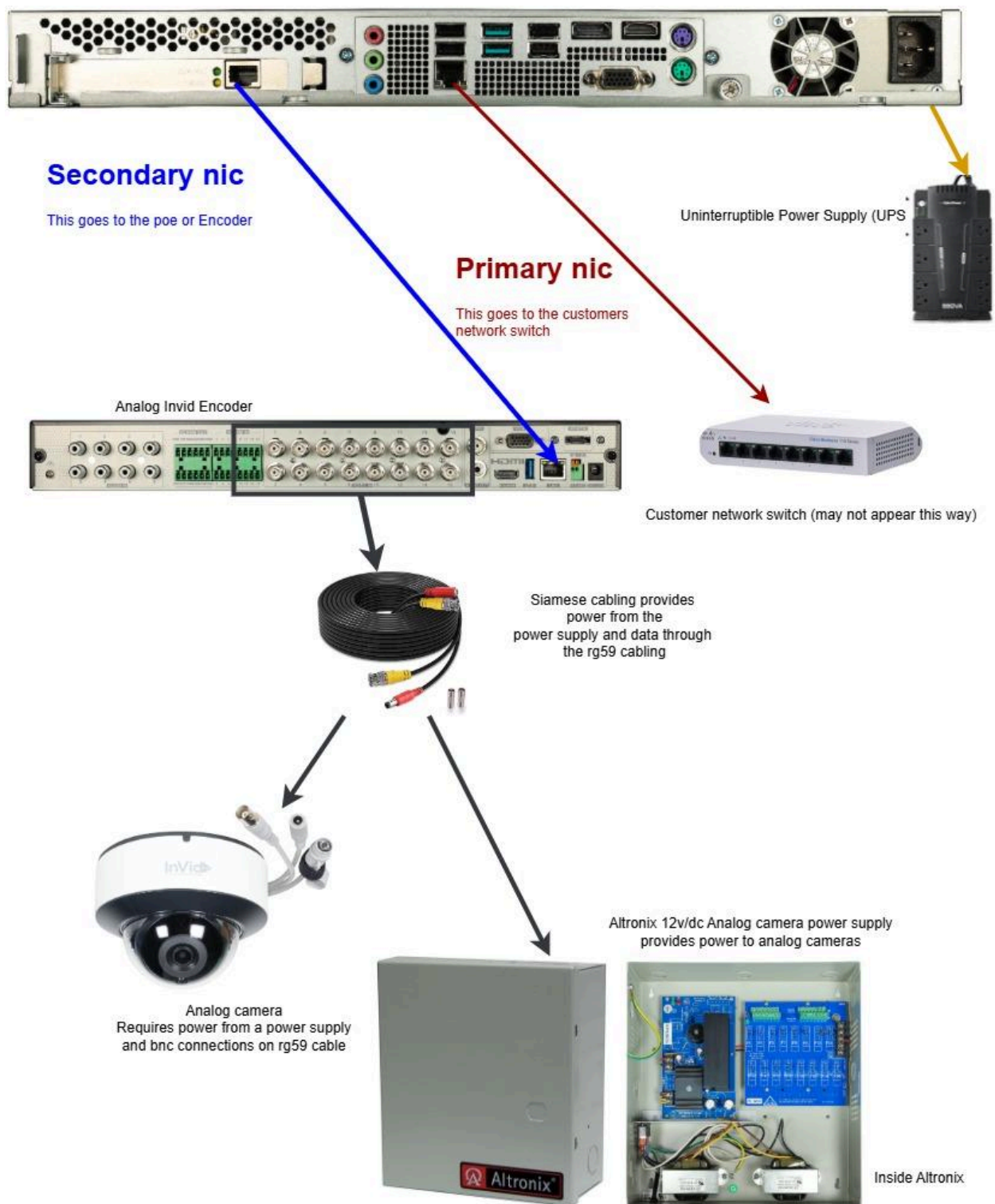
IP Only Daisy Chain

This setup is for when you must keep the cameras on the same ip scheme as the dvr. If for some reason you also need an encoder plug that into the unused 2nd NIC.



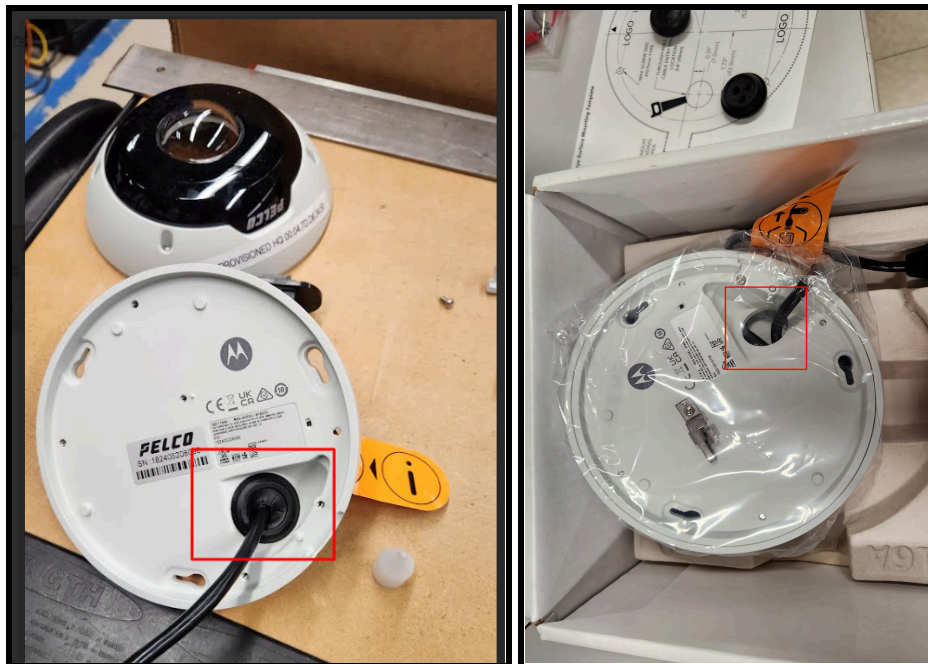
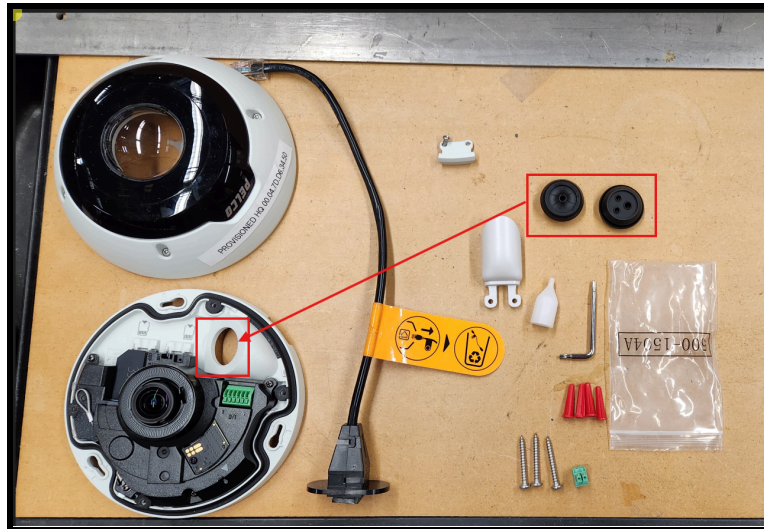
Analog Camera Setup

This setup will likely be more present with retrofits, but is meant to cover analog cameras and their connections to the dvr.



Cameras with Grommets

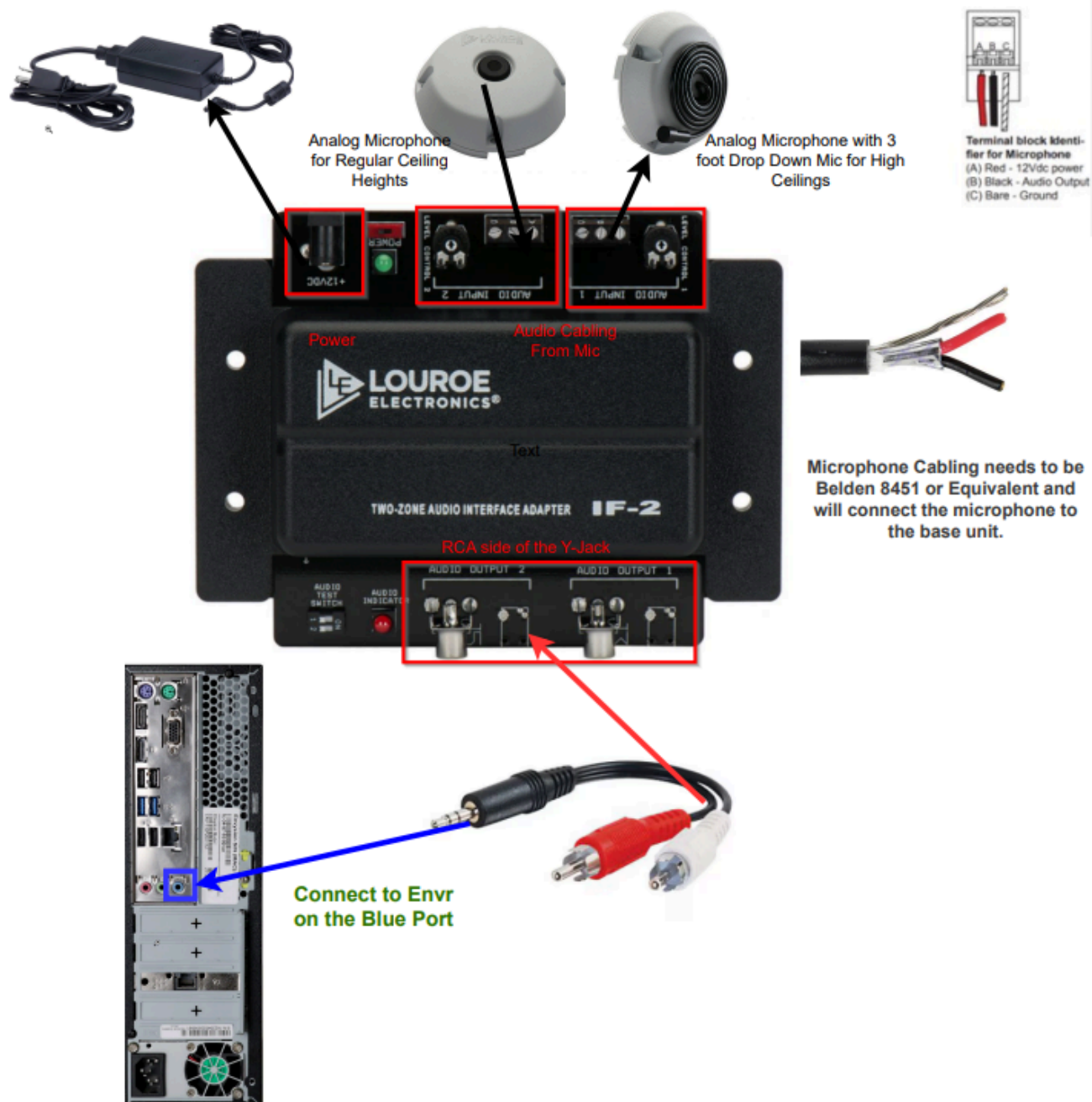
There are several cameras now that have rubber grommets that have to be placed into the base of the camera in order to seal it. The following pictures are of the Pelco 360 camera, but there are others out there. If there is a large opening in the base of the camera look in the box for a rubber grommet to seal.



Analog Audio

Analog Audio is installed to record audio on either ip or analog cameras.

(Wire type 22 AWG 2 Conductor Stranded Shielded Plenum Cable or Cat5E)



Monitor

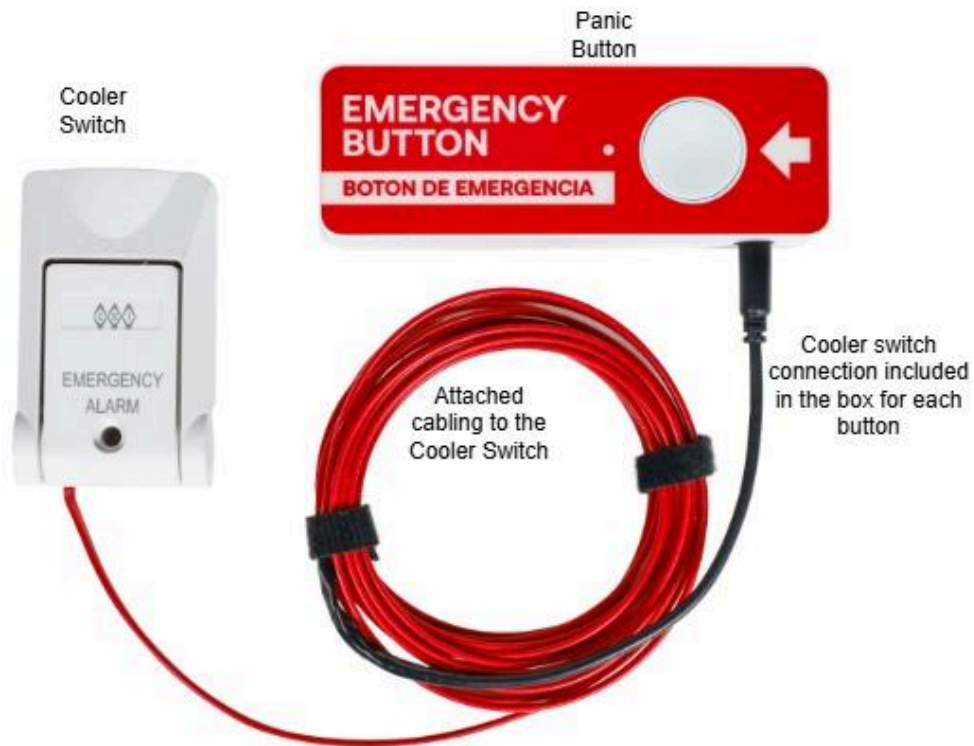
The monitor can be used as the customer's PVM to see cameras and for Troubleshooting. Some installs being done will come with a Monitor or Monitors will be provided by the customer. The DVR connections limit this to **two (VGA & HDMI or Display port)** only two of these monitors can be used at a time on any of the older models, **Gen13+ can use all 3.**

To have more than two Monitors a **Thin Client/Decoder** will be needed (**Connections below**)

[Setting up the Hanwa Decoder](#)



Panic Buttons



Panic buttons will require a size 00 Philips screw driver , 2 industrial AA batteries, and Industrial Strength Velcro (not covering the screw holes)

Call Envysion to get these set up in the application. 877-258-9441 option 2 for installs

Panic Button Install Videos:

[Panic Button Install without the Cooler Switch](#)

[Cooler Panic Button & Switch Pre-Install & Setup](#)

[Cooler Panic Button & Switch Quick Connection Install](#)

[Cooler Panic Button & Switch Full Install](#)

SmartAlarm™ Siren

This siren is a deterrent device that makes loud noises and has flashing lights. Requires a Gen8+ EnVr.



Axis Siren Customer View



Axis Siren Side View

Sirens require POE+ to operate as expected. Connected with Ethernet cabling.

Call Envysion to get these set up in the application.
877-258-9441 option 2 for installs

[Siren Install Video](#)

[Siren Provisioning Guide Video](#)

Locally Setting IP Address to Static or DHCP if needed

- Plug a USB keyboard into the back of the EnVR
- Plug in a monitor into the EnVR.

```

Envysion Appliance Status
#####

Location: [Red Box: Domain and site detail]

Time: Thu Oct 24 06:10:07 PDT 2024
System Uptime: 16 Days, 2 Hours, 59 Minutes

Appliance Info:
Hostname: [Red Box: Mac Address].appliance.envysion.com
Snapshot: 2024_08_08
SW Release: [Red Box: ar295]

Online Cameras: 28/28:
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
27

online = [Green Bar]
offline = [Yellow Bar]

Network Information:
LAN IP: 172.16.127.16 / 255.255.255.0 / 172.16.127.254
[DHCP]
CAM IP: 172.16.130.1/24
VIRT IP: 172.16.128.1/24
VPN Status: [Red Box: Active [172.25.160.98]] [Red Box: vpn IP address]
Connection Diagnostics: [Red Box: Connected [000]]

Config Info:
Platform Management: Success - Time since last run 9 Hours, 25 Minutes
Application Management: Success - Time since last run 2 Hours, 25 Minutes

* Press p to return to the PVM view
    
```

- Press Ctrl-Alt-F3 to bring up a “Notice To Users” and a login prompt

[Setting the EnVR to Static - Video Walkthrough](#)



When typing the password the screen will not show characters and you cannot use the 10-Key pad

System Log In

case-sensitive username: **ipadmin**

password: **Security.(last 4 digits of the MAC)**

EXAMPLE: (Security.fa98)

Type 1 and press <Enter> to choose “Configure a static IP(primary NIC)”.

<OR>

Type 2 and press <Enter> to choose “Configure to DHCP”

```
Envysion ENVR Configuration.

1. Configure a static IP (primary NIC)
2. Configure to use DHCP (primary NIC)
5. Configure LAN MTU
6. Configure display resolution
7. TROUBLESHOOTING MENU
8. Exit this menu
91. SHUT DOWN THIS SYSTEM

Please enter your selection [1-91]:
```

Enter the static IP information

```
These are your current network settings:
Interface: lan0
Static IP: 172.16.127.16
Netmask: 255.255.255.0
Gateway: 172.16.127.254

These are your stored network settings:
Interface: lan0
BootProto: dhcp
Please enter the new IP address for this system: 192.168.1.1
Please enter the NETMASK for this network: 255.255.255.0
Please enter the GATEWAY for this network: 192.168.1.2

Please confirm these new network settings.

Interface: lan0
Static IP: 192.168.1.1
Netmask: 255.255.255.0
Gateway: 192.168.1.2
BootProto: Static
Save settings? [yes/no]:
```

Once IP information is entered, confirm the information is correct, and type “yes” and press <Enter> to save the settings.

```
Please type restart to apply and restart the network or hit Enter to cancel the changes :
```

If no conflicts are found, type “restart” to complete. This will restart only the internet adapter settings, not the whole DVR.

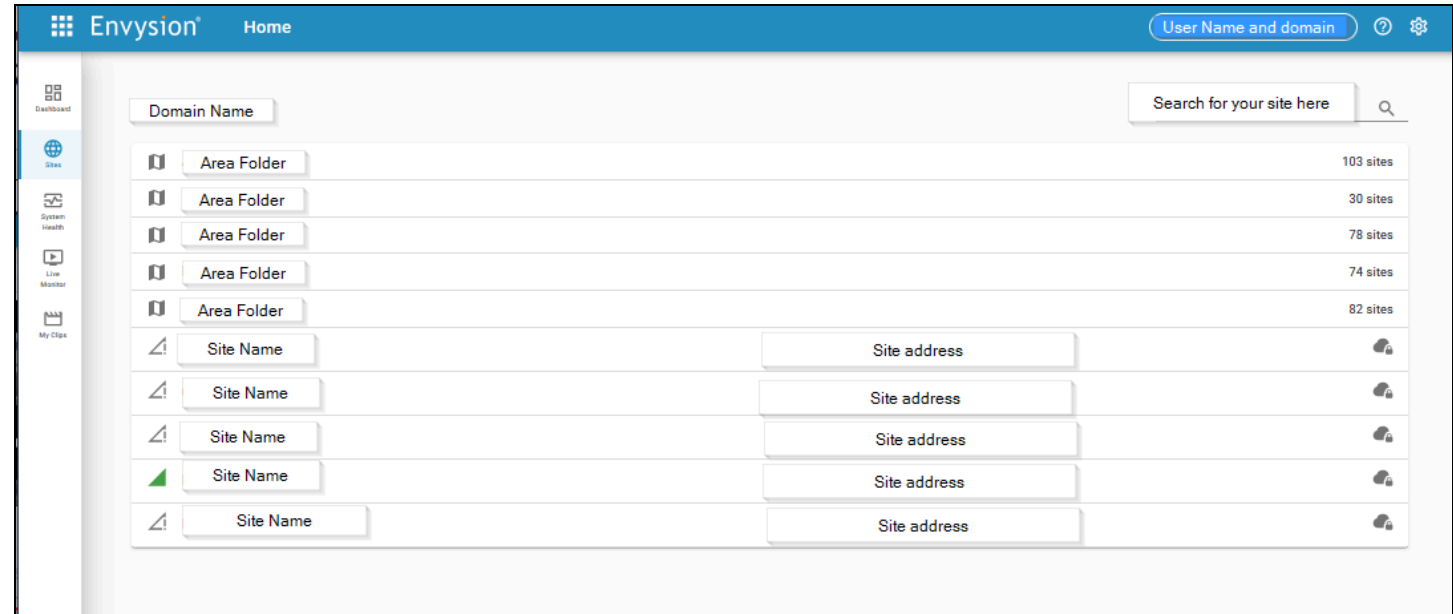
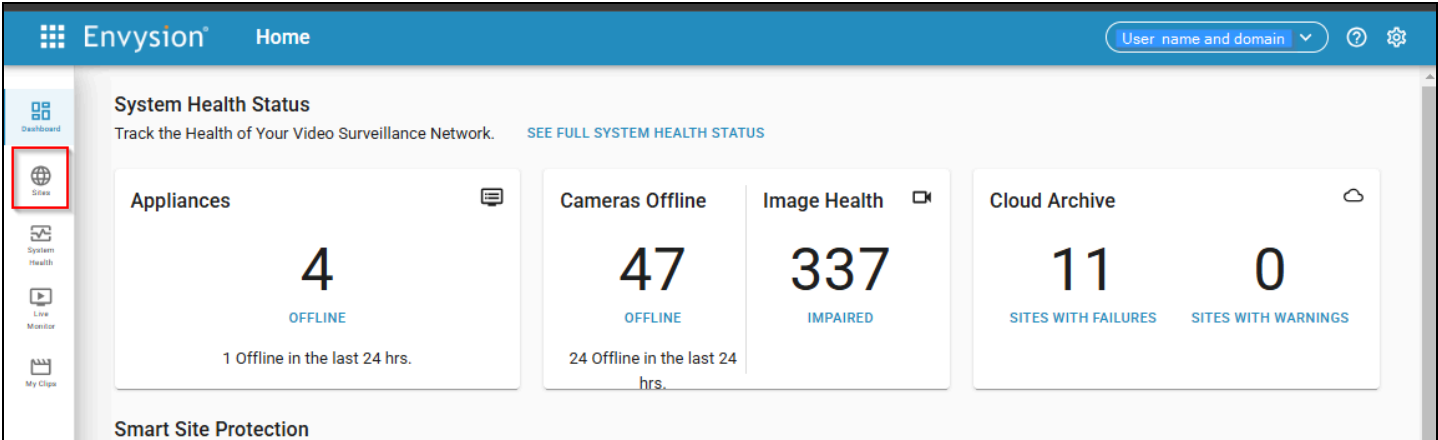
Device Manager (DM) - Camera Provisioning

Add New Cameras & Channels to Envysion App

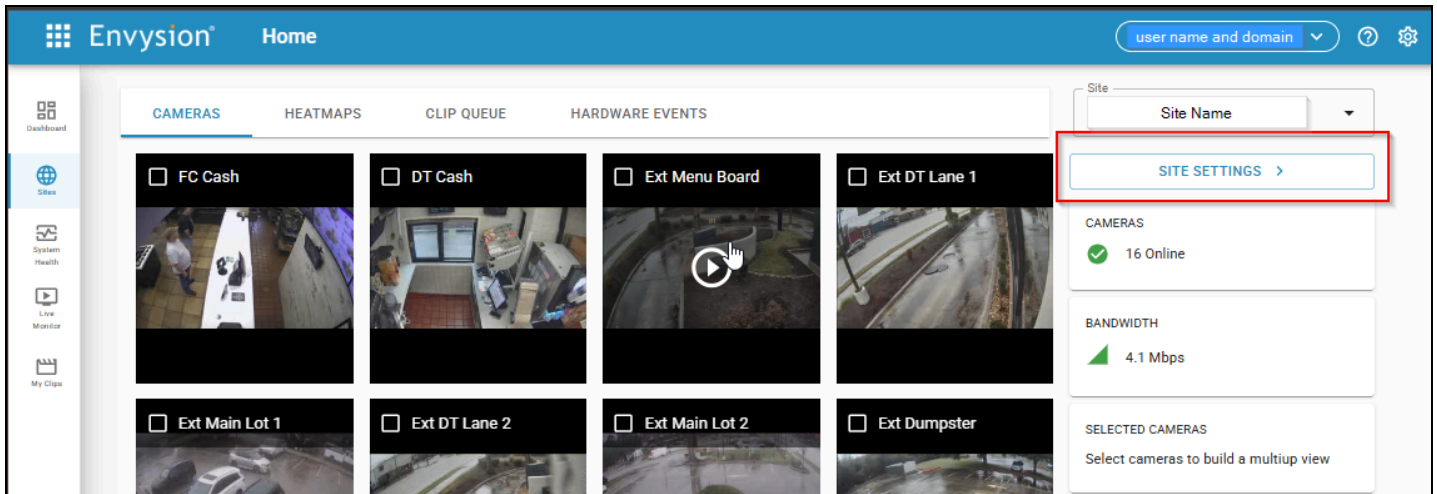
If you are replacing an existing camera please skip to [Replace Camera Walkthrough \(Page 20\)](#)

[Adding New Managed Cameras - Video Walkthrough](#)

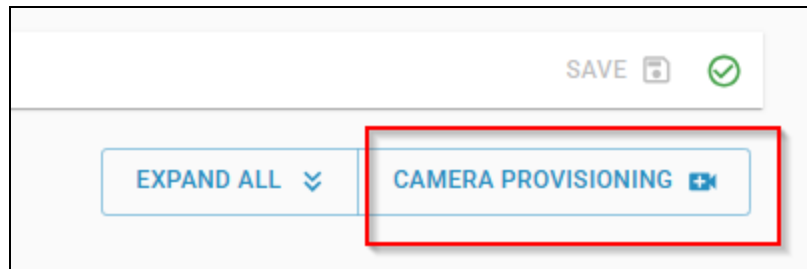
Log into [Envysion App](#), Navigate to your site page.



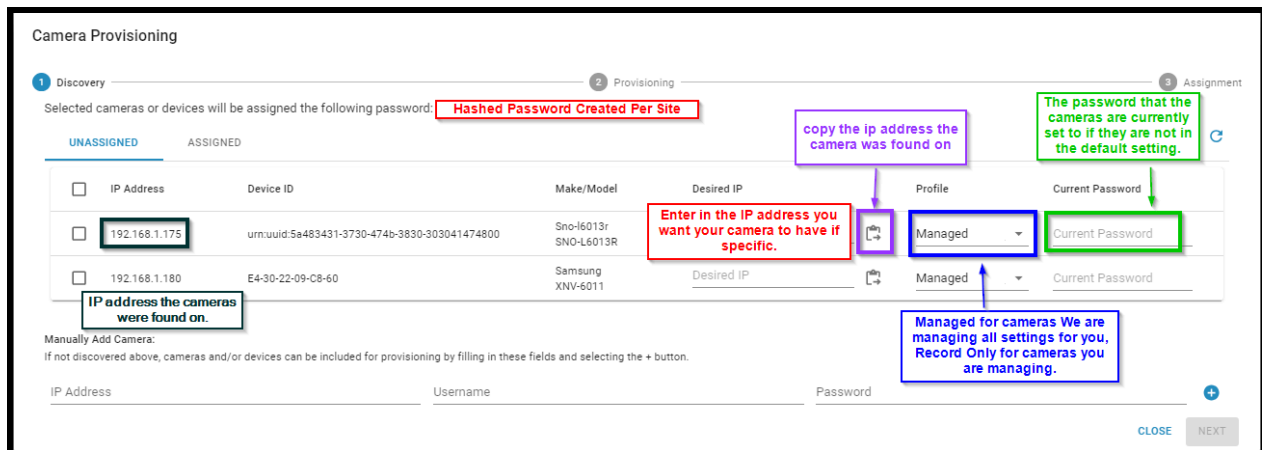
Navigate to Site Settings



Click on the camera provisioning button in the top right corner



This will take you to the camera provisioning page and scan the network for any onvif or supported cameras currently plugged in and online.



Select the new camera(s) to provision to the site, if they are pre-existing you will need to have the user and password. If you need to keep your ip address click the clipboard icon on each camera, if you need to keep your password set the profile to record only. If the site you are using has a single EnVR hit next. If the site has multiple EnVRs, a list of those

EnVRs will appear. Select a single EnVR to add cameras to, then select Next.









<input type="checkbox"/>	IP Address	Device ID	Make/Model	Recording Device	Desired IP	Profile	Current Password
<input type="checkbox"/>	172.16.126.132	00:04:7D:D5:97:9C	Pelco IMF82-1ES	EnVR 3	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.126.133	00:04:7D:4B:CA:C4	Pelco IFV523-1ERS	EnVR 3	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.127.130	00:04:7D:4A:49:7D	Pelco IFV523-1ERS	EnVR 2	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.127.135	58:5B:69:1C:1D:79	Invid-1 PAR-P5TXIR28-LC	EnVR 1	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.127.136	58:5B:69:1C:1F:41	Invid-1 PAR-P5TXIR28-LC	EnVR 1	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.127.139	00:04:7D:4B:CA:CB	Pelco IFV523-1ERS	EnVR 3	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.127.140	E4-30-22-7B-5D-0D	Samsung QNO-8080R	EnVR 1	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.127.141	E4-30-22-73-B7-EC	Samsung QNO-8080R	EnVR 1	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.127.142	E4-30-22-73-B7-EA	Samsung QNO-8080R	EnVR 1	Desired IP	Managed	Current Password
<input type="checkbox"/>	172.16.127.143	E4-30-22-73-B8-10	Samsung	EnVR 1	Desired IP	Managed	Current Password

Discovery

Provisioning

Assignment

We are currently updating the configuration of your appliances. This can take up to 5 minutes to complete.

<input checked="" type="checkbox"/>	Preview	IP Address	Device ID	Make/Model	Replace Camera	Name	Map Registers	Display Order
<input checked="" type="checkbox"/>		172.16.127.130.554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (1)	Select Camera		Select Registers...	
<input checked="" type="checkbox"/>		172.16.127.130.554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (2)	Select Camera		Select Registers...	
<input checked="" type="checkbox"/>		172.16.127.130.554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (3)	Select Camera	Camera Name	Select Registers...	Display Order
<input checked="" type="checkbox"/>		172.16.127.130.554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (4)	Select Camera	Camera Name	Select Registers...	Display Order
<input checked="" type="checkbox"/>		172.16.127.130.554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (5)	Select Camera	Camera Name	Select Registers...	Display Order
<input checked="" type="checkbox"/>		172.16.127.130.554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (6)	Select Camera	Camera Name	Select Registers...	Display Order
<input checked="" type="checkbox"/>		172.16.127.130.554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (7)	Select Camera	Camera Name	Select Registers...	Display Order
<input checked="" type="checkbox"/>		172.16.127.130.554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (8)	Select Camera	Camera Name	Select Registers...	Display Order

CLOSE

SAVE

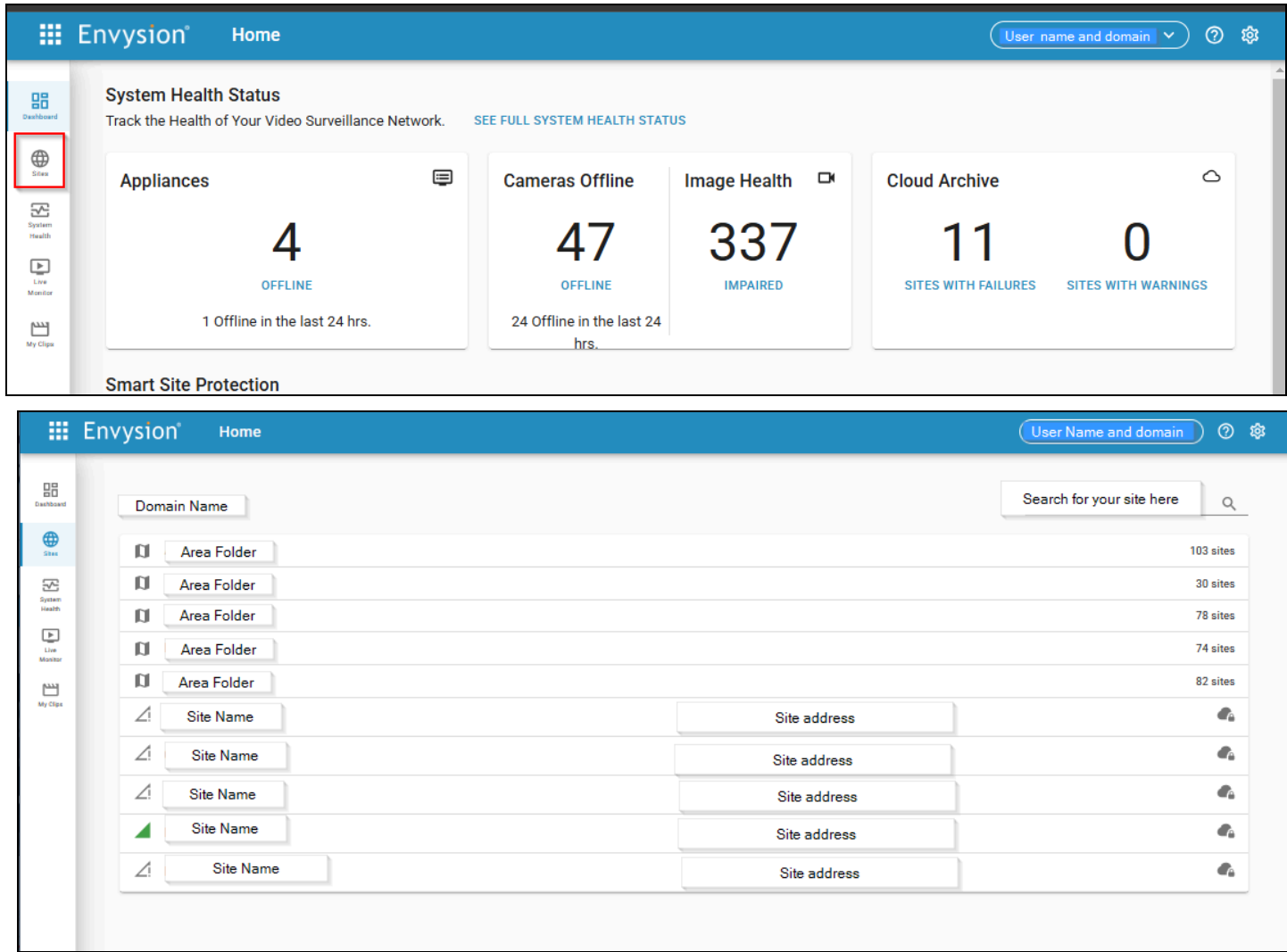
When done with this info hit save on the bottom right corner of the box.

Replacing Camera(s) and Channel(s) on the Envysion App

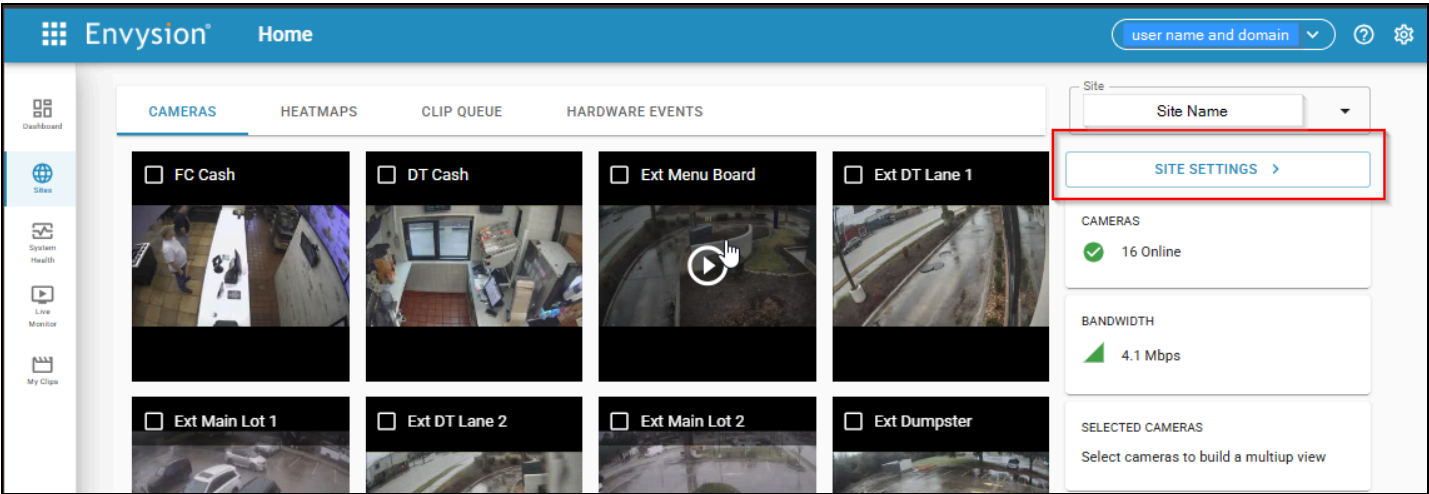
The replace camera functionality is critical to maintain Cloud Archive, Smart Site Protection, and Point of Sale Integration continuity

Video Walkthrough Replace Camera

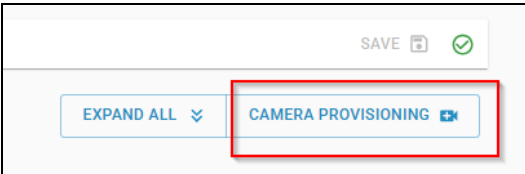
Log into [Envysion App](#), Navigate to your site page.



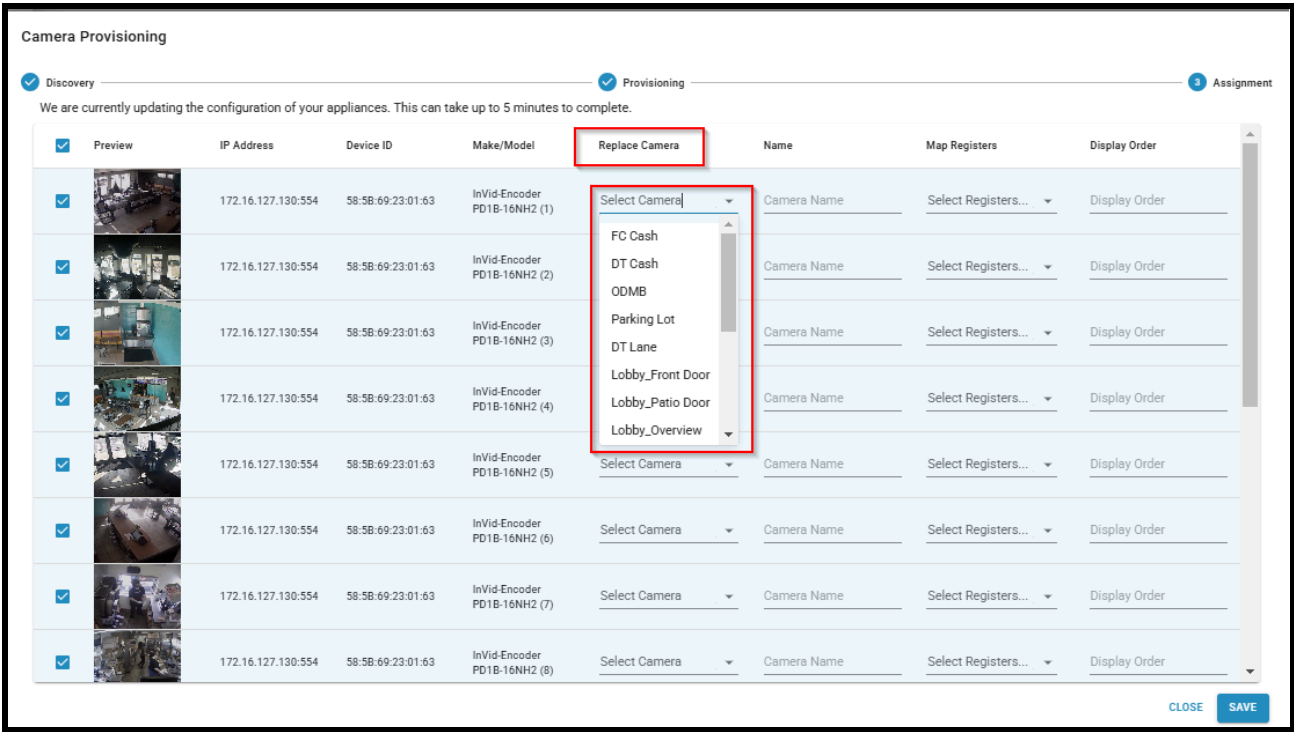
Navigate to Site Settings



Click on the camera provisioning button in the top right corner



Select appropriate camera(s) to replace from drop down



Then hit save

Manually Adding Camera Steps:

[Manually Provisioning a Camera not discovered by Device Manager](#)

[Manually Provisioning Unmanaged Cameras](#)

If you have cameras that are not found but you know the IP for you can **Manually** add them in Device Manager

Camera Provisioning

1 Discovery 2 Provisioning 3 Assignment

Selected cameras or devices will be assigned the following password: **Hashed Password**

UNASSIGNED ASSIGNED

<input checked="" type="checkbox"/>	IP Address	Device ID	Make/Model	Desired IP	Profile	Current Password
No results found						

Manually Add Camera:

If not discovered above, cameras and/or devices can be included for provisioning by filling in these fields and selecting the + button.

IP Address	Username	Password

CLOSE NEXT

Manually Add Camera:

If not discovered above, cameras and/or devices can be included for provisioning by filling in these fields and selecting the + button.

IP Address	Username	Password
172.16.128.120	admin	admin

CLOSE NEXT

Camera Provisioning

1 Discovery 2 Provisioning 3 Assignment

Selected cameras or devices will be assigned the following password:

UNASSIGNED ASSIGNED

<input type="checkbox"/>	IP Address	Device ID	Make/Model	Desired IP	Profile	Current Password
<input type="checkbox"/>	172.16.127.132	E4-30-22-27-49-92	Samsung LND-6012R	Desired IP	Managed	Current Password
<input checked="" type="checkbox"/>	172.16.128.120	1840e837-f2f0-4b4d-b65b-3a309b94d2e8		N/A	Record only	admin

Manually Add Camera:

If not discovered above, cameras and/or devices can be included for provisioning by filling in these fields and selecting the + button.

IP Address	Username	Password

CLOSE NEXT

Then Hit Next

Camera Provisioning

1 Discovery 2 Provisioning 3 Assignment

Provisioning

Some cameras were not provisioned

The camera(s) in the table below were unable to be provisioned. Please check and resolve the error message(s) before clicking Retry Failures or manually mark the camera resolved.

IP Address	Device ID	Status	Make/Model	Desired IP	Stream URL	Username	Current Password
172.16.127.155	6d2cd7bc-60da-4b60-9759-8142sec060ae	Onvif initialization failed - Failed to connect to the IP camera		N/A	Stream URL Must enter a value	admin	Password

CLOSE RETRY FAILURES NEXT

Some of the statuses will say something like **Unsupported Camera Make** if you see this you will need to add the RTSP URL for the camera type and click the checkmark button to continue.

Replace the cameras in Order with the replace camera dropdown. (green box)

Camera Provisioning

Discovery

Provisioning

Assignment

We are currently updating the configuration of your appliances. This can take up to 5 minutes to complete.

<input checked="" type="checkbox"/>	IP Address	Device ID	Make/Model	Replace Camera	Name	Map Registers	Display Order
<input checked="" type="checkbox"/>	172.16.127.2	fbeb6801-9f18-45fc-94c0-bb4d7b1a1d0d		Select Camera	Camera Name	Select Registers...	Display Order

CLOSESAVE

Then hit Save.

If for any reason it fails. Please reach out to us through Email or Phone Call.

Email - envysion.installationsupport@motorolasolutions.com

Phone - 877-258-9441 Option 2

CAMERASAPPLIANCESDVR ANALOG AUDIOSIRENSMONITORS

Name

Status

MAC Address

Model Number

Software Version

DVR Name

Online

Mac Address

ENV-TDE200-108

ar295

Active

Timezone

America/Chicago

SETTINGS

NETWORK

PREFERENCES

PRIMARY NETWORK CONFIGURATION

Mode

IP Address

Subnet Mask

Gateway

DHCP

10.103.197.162

255.255.255.192

10.103.197.129

VIRTUAL NETWORK

IP Address

Subnet Mask

172.16.127.1

255.255.255.0

CAMERA NETWORK

IP Address

Subnet Mask

192.168.1.1

255.255.255.0

IP Address we are seeing this dvr online at

Daisy Chained Network settings for cameras connected to the Primary Nic

IP Network settings for Cameras connected to the Secondary Nic

For more information about the network configuration of the appliance, see [Configure IP Camera Networks](#) in the Envysion Learning Center.

If the cameras are not streaming check the Network settings on the Appliance page. Does the virtual network or Camera network match the ip addresses of the cameras? If not, update them to match and hit save in the top right corner.

Replace a DVR In the Application

- Log into the Envysion application (<https://video.envysion.com>)
- Click on Watch Video. And Search for your site.
- Go to Site Settings in the bottom left hand corner of the screen.
- Click on the Appliances tab at the top of the screen.
- The Old DVR Must be the active one and the new DVR Must be Inactive for this to work Properly.
- [EnVR Appliance Swap Instruction Video](#)

Click on the active swap icon and start the swap. (Red Circle)

The screenshot shows the 'APPLIANCES' tab in the Envysion application. It lists two appliances. The first appliance is 'Online' and has its 'Active' toggle switch turned on. The second appliance is 'Offline' and has its 'Active' toggle switch turned off. A red circle highlights the 'Active Swap Button' on the first appliance. Callout boxes provide instructions: 'This is the currently active device for the site and the one you will want to hit the swap button on.' and 'This is the inactive or New dvr you will be swapping to.'

Only inactive appliances from the same domain can be selected. Inactive appliances from the current site are listed first, then appliances from other sites in the domain are listed in alphabetical order. DO NOT change the sliders please.

Once the replacement appliance is selected, click **Replace** to initiate appliance replacement.


The 'Replace' dialog box shows a 'Replace:' field with a dropdown menu. Below it, there is a checkbox labeled 'Replacement appliance is an EnVR' which is checked. A red box highlights this checkbox with the text: 'When going from a Hik/Nuc setup to an Envysion EnVR and Either Keeping the Hik as an encoder or adding an Invid Encoder make sure this box is checked.' There are 'CANCEL' and 'NEXT' buttons at the bottom right.

When replacing a Hik/Nuc with an EnVR please make sure that this box is checked.

Replace:

This process will remove the existing appliance from your site and replace it with a new appliance. Configuration from the old appliance will be carried forward to the new appliance.

Please select the MAC address for your new appliance to begin. The MAC address can typically be found on a sticker on the back of the appliance or on the box of the appliance.

Select... 

Current Site

Other Sites

If you do not see the appliance you are trying to switch to here please reach out to us. There is another step on our side that will have to be done first.

If for any reason it fails. Please reach out to us.

Replace:

Use the Hikvision DVR as an encoder to convert the analog channels to managed IP camera channels.


☐ Use Hikvision DVR as encoder

Check this box if you are Keeping your Hikvision dvr as an encoder for analog cameras.

[CANCEL](#) [NEXT](#)

Make sure if you are Keeping your Hikvision Dvr that you are checking this box so that the camera configs come over properly. If you are not keeping the Hikvision DVR or never had one do not check that box.

Replace:

 The data from new appliance will be permanently deleted and replaced with the data from the old appliance

Are you sure you want to continue?

[CANCEL](#) [REPLACE](#)

This message states that the data that is already on the new appliance will be overwritten by the data from the old appliance. Make sure that you are ready to take this **step** before hitting replace.

Replacement Complete

Your appliance has been successfully replaced. It can take up to 15 minutes for the system to become fully available. Please review the cameras to confirm they are correctly configured and that your registers are mapped correctly.

CLOSE

Everything went great here. You are good to close and continue with the next steps.

Appliance Replace Failed

Unable to process the appliance replacement at this time. Please try again later.

New appliance cannot be reached. Check network connectivity or wait for the appliance to come online.

If you continue to experience issues replacing the appliance please contact support.

This is an error. Do not try again, please contact support at 877-258-9441

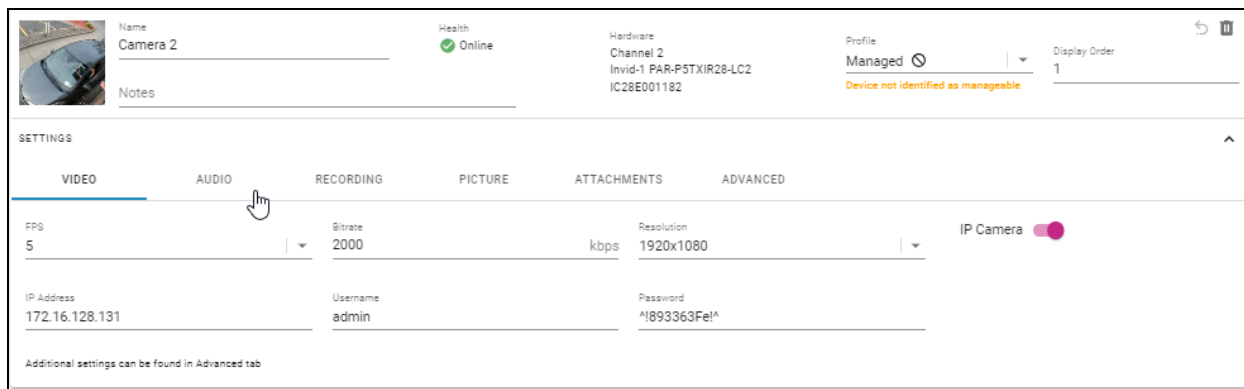
CLOSE

This is an example of an error. Do NOT Retry the swap. Contact support.

Setting Up Audio In the Application

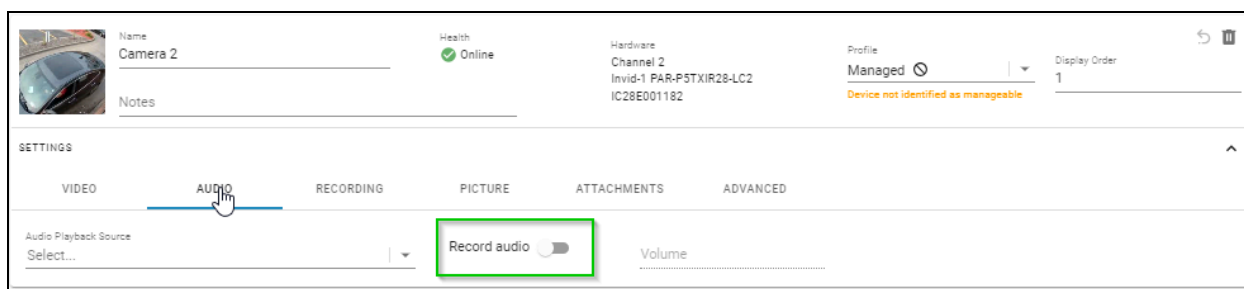
IP (in camera) Audio

There are 2 different types of Audio, Inside the IP camera or Analog audio setup with separate microphones. To set up the In Camera audio expand the settings for the camera and click on the audio tab.

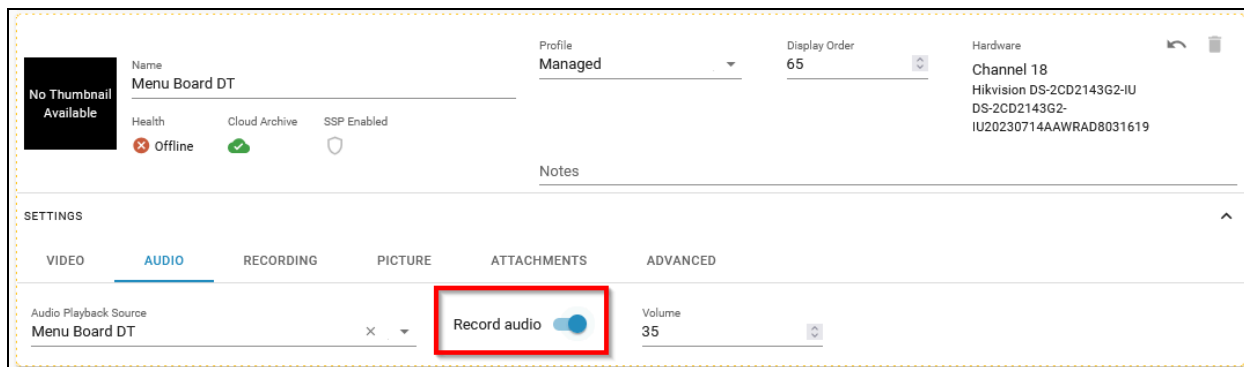


The screenshot shows the 'Camera 2' settings page. At the top, there's a header with the camera name, health status (Online), hardware details, profile (Managed), and display order (1). Below this is a 'SETTINGS' section with tabs for VIDEO, AUDIO, RECORDING, PICTURE, ATTACHMENTS, and ADVANCED. The AUDIO tab is selected, and the 'IP Camera' toggle is turned on. Other settings visible include FPS (5), Bitrate (2000 kbps), Resolution (1920x1080), IP Address (172.16.128.131), Username (admin), and Password (*!893363Fe!@).

Then click on the Record Audio button. It should bring up the camera name.



This screenshot shows the 'Record audio' button highlighted with a green box. The button is located in the 'AUDIO' tab settings. The 'Audio Playback Source' is set to 'Select...'. The 'Volume' field is also visible.



This screenshot shows the 'Record audio' button highlighted with a red box. The button is located in the 'AUDIO' tab settings. The 'Audio Playback Source' is set to 'Menu Board DT'. The 'Volume' field is set to 35.

Then hit save at the top of the screen

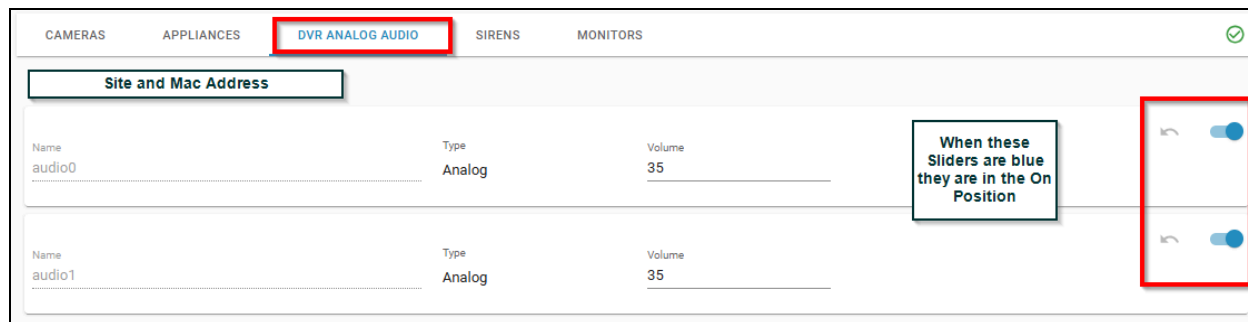


The screenshot shows a 'SAVE' button with a green checkmark icon, indicating that the settings have been successfully saved.

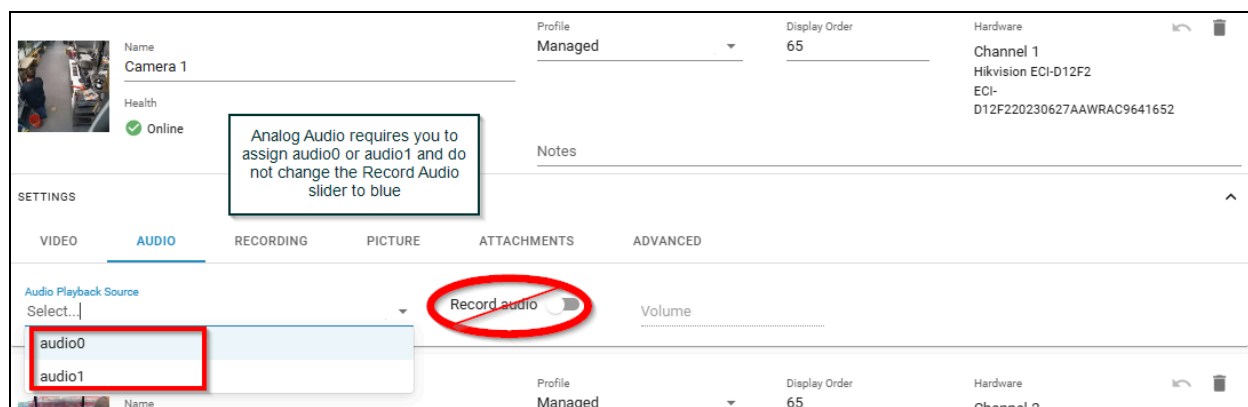
Analog Audio Setup

To set up analog audio in the dvr click on the DVR Analog Audio tab at the top of the screen, and make sure that the sliders are to the right.

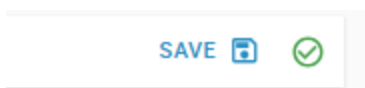
You cannot be using both In Camera audio and Analog audio channels at the same time, on the same camera, so make sure in the camera channel that you are not activating the Record Audio Slider.



Then Go into the Cameras and select the audio channel to associate with the camera.



Then hit save at the top of the screen



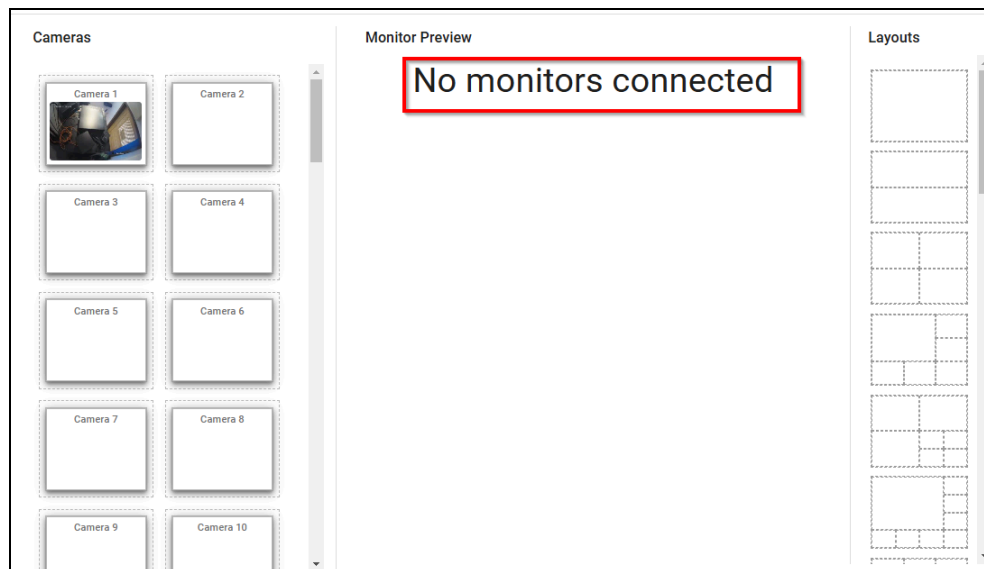
PVM Setup through the App

[Setting up PVM in the app - Video Walkthrough](#)

Navigate to “Site settings” on the right side of the site page.. Then at the top of the screen go to the Monitors tab.

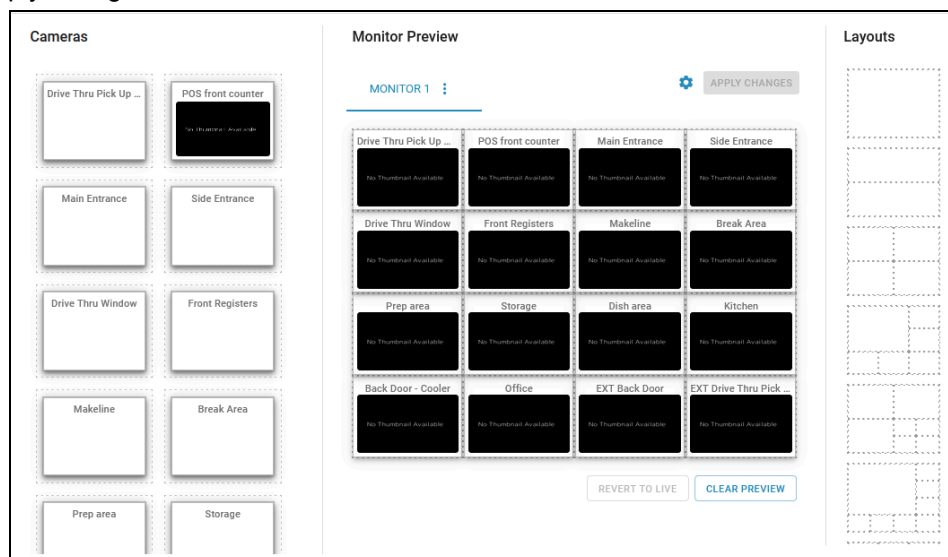


If there is an issue with the EnVR seeing the monitor connection you will see this screen.

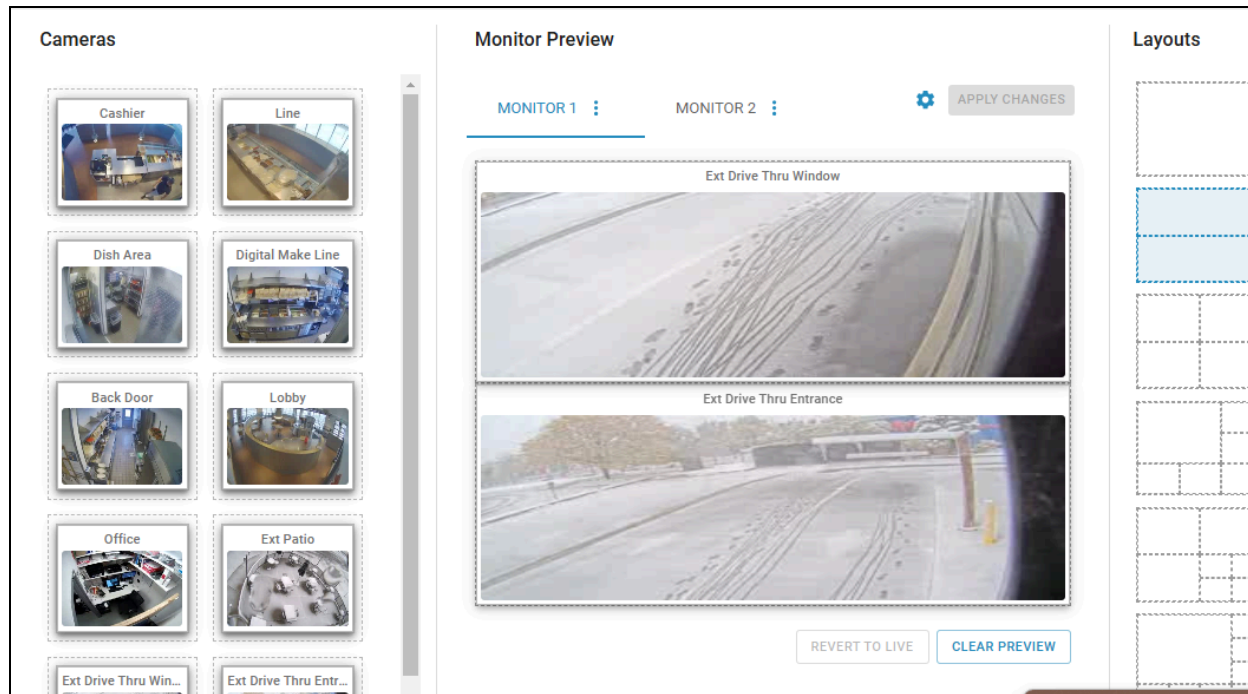


Single Monitor:

To change the layout please select the layout desired and Drag/Drop the cameras in the order in which you would like them to appear and hit apply changes.



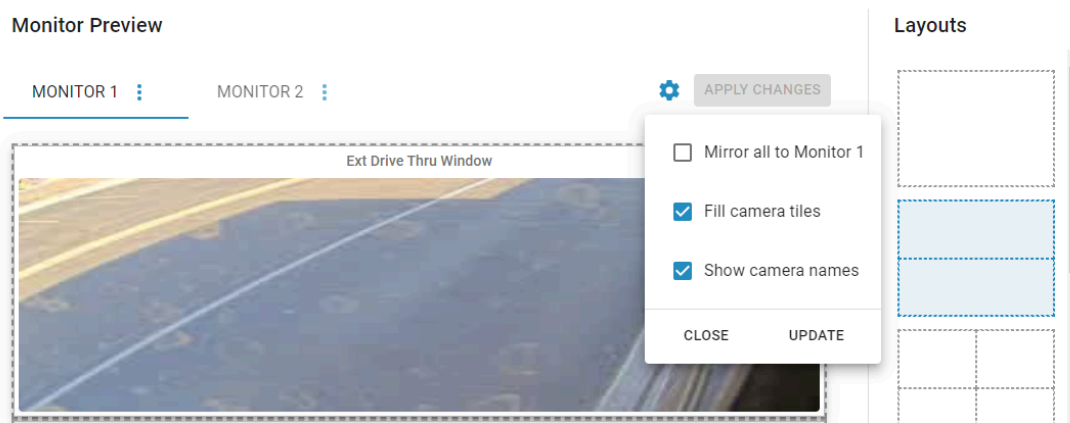
If the site has two monitors and both are detected you will see this screen.



When setting up dual PVM you will toggle through each monitor (1 , 2 &3) and drag/drop each camera to the desired monitor.

Troubleshooting - Mirrored Monitor Views

If you run into the system not being able to apply the setting to the second monitor you will need to go into the gear icon and turn **OFF Mirror all to Monitor 1** setting



Checking out of a Site

When completing a site we would like you to call us at **877-258-9441 opt 2** to answer a few questions.

1. What is the Job ID Number, or Store ID Number?
2. What is the Site Name?
3. Is the site using an Encoder or similar device to host Analog cameras?
 - a. If yes, where is the power supply for the cameras located?
4. Where is the EnVR located specifically? (i.e. Office in the rack, Network Room mounted on the wall, etc.)
5. What network device is the EnVR NIC1 Primary Motherboard Port plugged into? (This is always a Firewall or Router/Modem not a PoE Switch. With some setups, the EnVR is getting internet through a PoE switch, we still need the Firewall or Router/Modem specifically.)
6. What port on the network device is the EnVR plugged into? (Please specify the port on the Firewall or Router/Modem the primary connection is plugged into.)
7. If there is a PoE switch, how many unused, available PoE ports are remaining? (Not including non-PoE ports, SFP ports or Uplink ports.)
8. Who on site did we verify the installs with? (On-site manager, GC or overseeing manager's full name.)
9. What is the installing technician's full name? (Tech's full name or the overseeing technician's full name.)

Troubleshooting

There are status codes visible with a monitor connected to the EnVR that will guide us in next steps in the process for troubleshooting when we cannot connect remotely to the unit.

```

Envysion Appliance Status
*****

Location: [Redacted] Domain and site detail

Time: Thu Oct 24 06:10:07 PDT 2024
System Uptime: 16 Days, 2 Hours, 59 Minutes

Appliance Info:
Hostname: [Redacted] Mac Address .appliance.envysion.com
Snapshot: 2024_08_08
SW Release: ar295

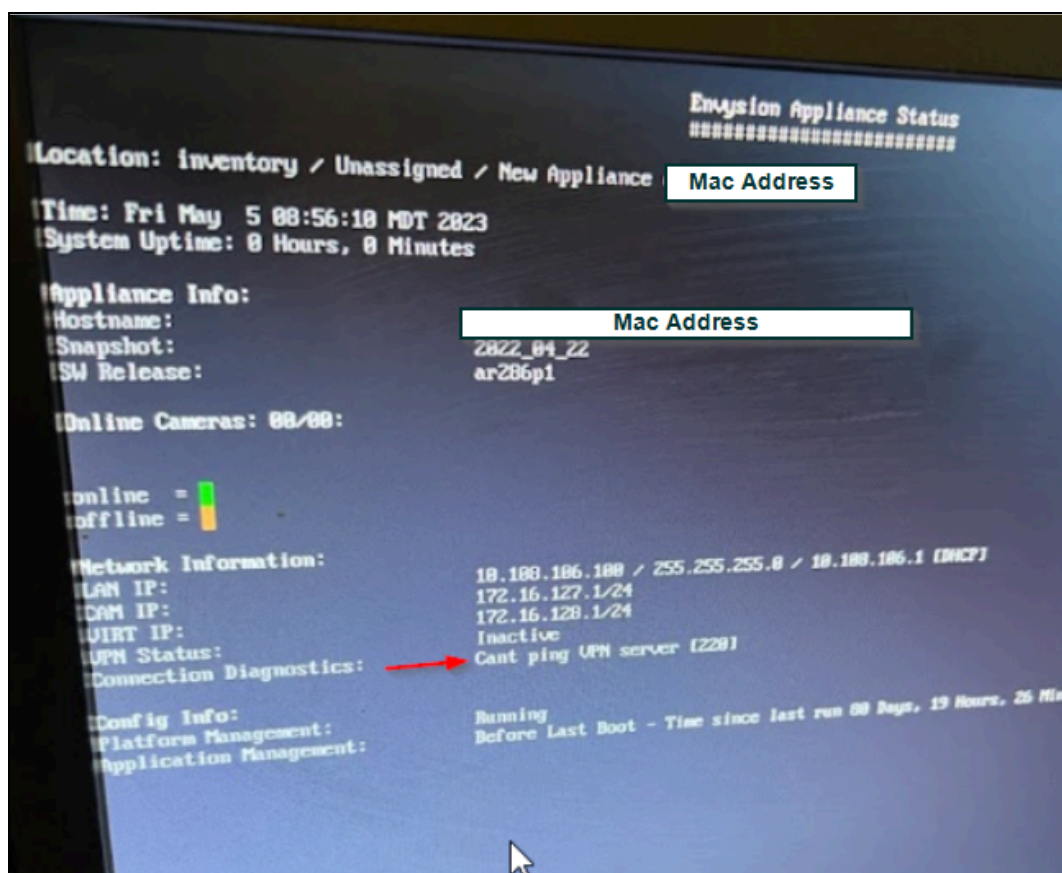
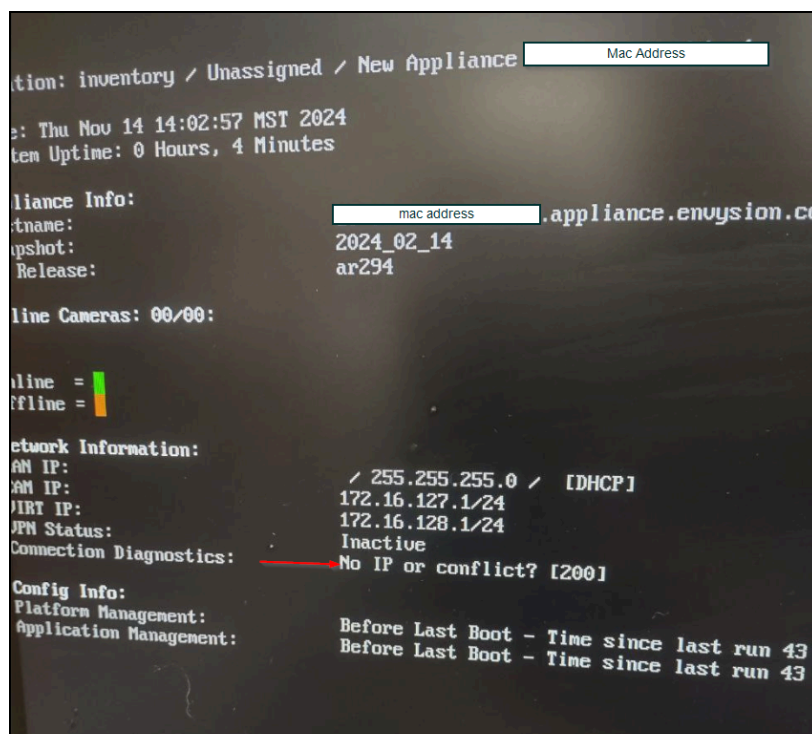
Online Cameras: 28/28:
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
online = [Green]
offline = [Yellow]

Network Information:
LAN IP: 172.16.127.16 / 255.255.255.0 / 172.16.127.254
[DHCP]
CAM IP: 172.16.130.1/24
VIRT IP: 172.16.128.1/24
VPN Status: Active [172.25.160.98] [Redacted] vpn IP address
Connection Diagnostics: Connected [000]

Config Info:
Platform Management: Success - Time since last run 9 Hours, 25 Minutes
Application Management: Success - Time since last run 2 Hours, 25 Minutes

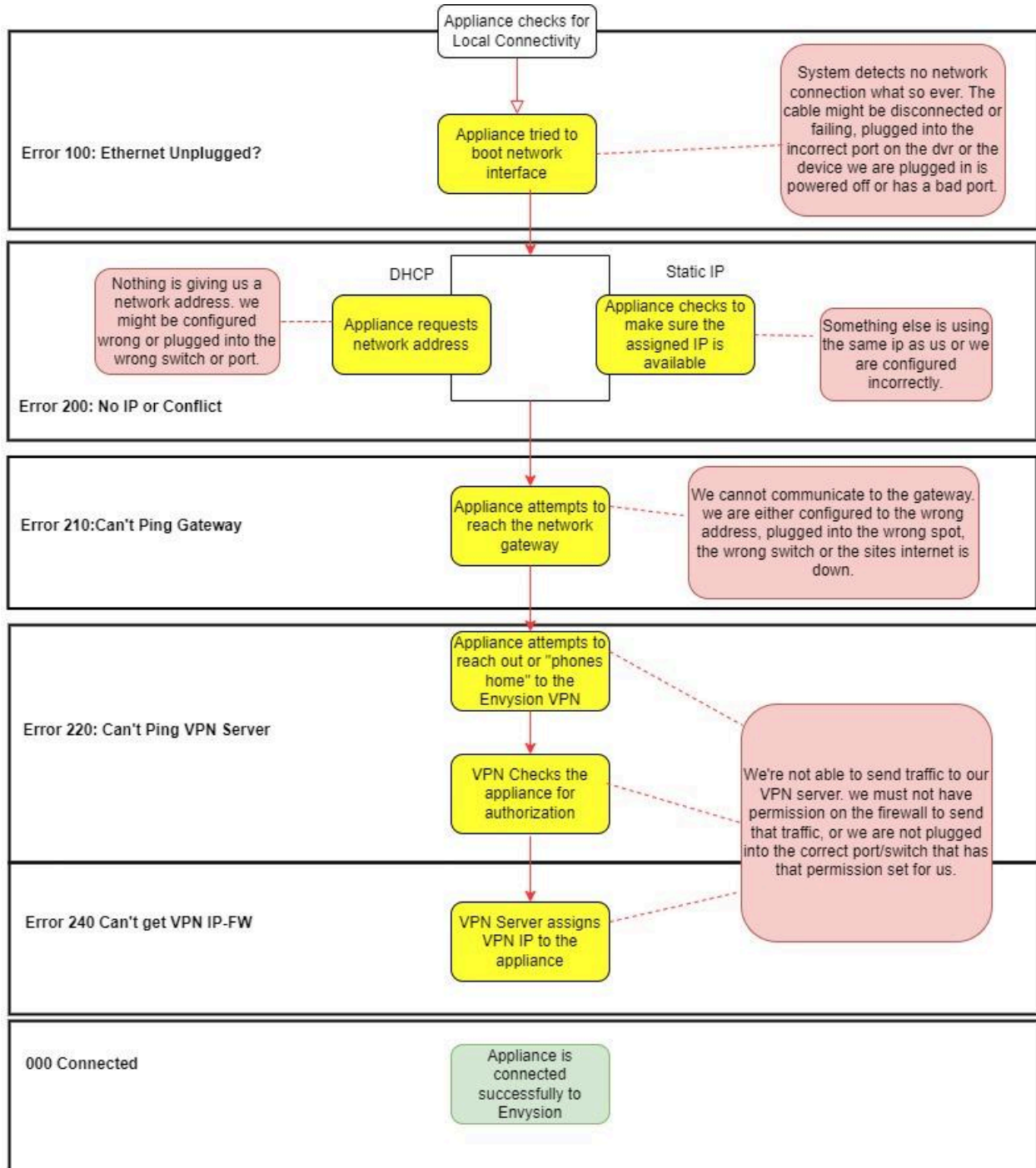
* Press p to return to the PVM view
  
```

This connection diagnostics status is **GOOD**



EnVR Error Codes

These are just a few examples, here are the steps to the errors you will see: [EnVR Error Codes - Video Walkthrough](#)



Port and IP Address Configuration for Whitelisting

For a company with highly restricted network access, additional configuration will be required to allow access to Envysion. If your company has a strict corporate firewall, network access list, or proxy server that blocks all Internet access, please have your network administrator add rules to permit the following ports and/or IP addresses to allow access to Envysion.

APPLIANCE connection from store location requires the following:

TCP port 443 and UDP port 22799 to the following IP addresses:

- 3.227.250.16/28 3.227.250.16 – 3.227.250.31
- 98.142.144.0/20 98.142.144.1 – 98.142.159.254
- 2620:C3:E000::/44

TCP port 443 (IP addresses are set by Amazon Web Services and may change without notice – last updated June 11, 2024)

- 18.34.0.0/19 18.34.0.1 – 18.34.31.254
- 16.15.192.0/18 16.15.192.1 – 16.15.255.254
- 54.231.0.0/16 54.231.0.1 – 54.231.255.254
- 52.216.0.0/15 52.216.0.1 – 52.217.255.254
- 18.34.232.0/21 18.34.232.1 – 18.34.239.254
- 16.15.176.0/20 16.15.176.1 – 16.15.191.254
- 16.182.0.0/16 16.182.0.1 – 16.182.255.254
- 3.5.0.0/19 3.5.0.1 – 3.5.31.254
- 44.192.134.240/28 44.192.134.241 – 44.192.134.254
- 44.192.140.64/28 44.192.140.65 – 44.192.140.78

Additional Services:

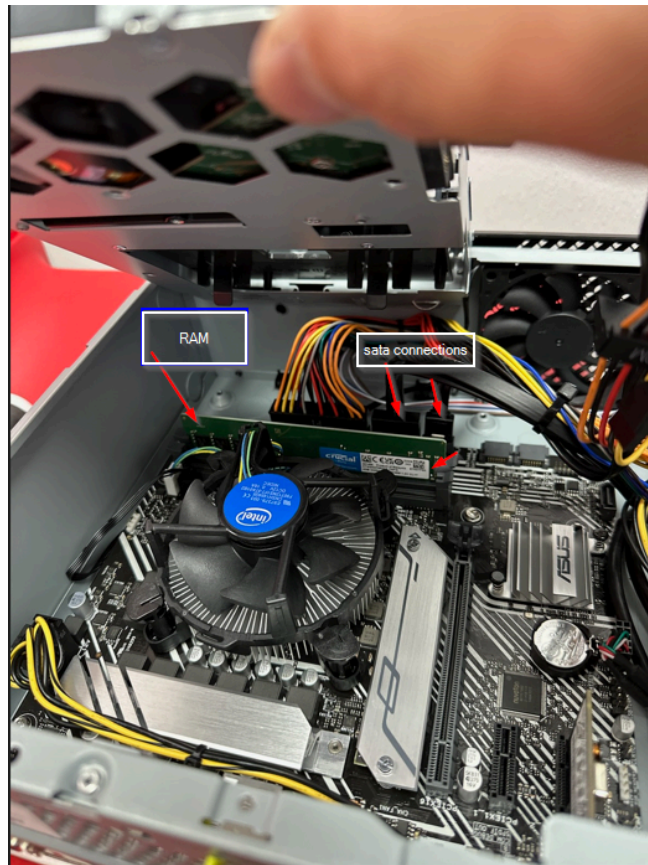
HTTP Proxy and OpenVPN application access from our system to the specified IP ranges above.

User access:

User access to the web application requires TCP port 443 to the addresses *.envysion.com and *.appliance.envysion.com. The IP addresses these names resolve to, may change over time.

Physical Connection Troubleshooting

If you do not see anything on the monitor, not even the boot up screens, then we will need to reseat (remove and reinsert) the RAM chips and Sata Connections (both ends) Inside of the dvr. [Reseating Hardware in The EnVR](#)



If EnVR fails out of box:

Immediately contact Envysion Install Support in order to request replacement EnVR for the site. Please be ready to troubleshoot further as we may need to reseat the ram and sata cables, or check the ip setup. A monitor and keyboard are necessary for these checks. We will have to determine that it is DOA to set up the replacement.

Contact Us:

1. [Email Us](#)
2. [Call Us](#): Monday - Friday 6a - 6p MT
877-258-9441 Option 2
3. [Virtual Learning Center](#)

Appendix: Helpful Resources

- [Page 11:](#)
 - [Setting up the Hanwa Decoder](#)
- [Page 12:](#)
 - [Panic Button Install without the Cooler Switch](#)
 - [Cooler Panic Button & Switch Pre-Install & Setup](#)
 - [Cooler Panic Button & Switch Quick Connection Install](#)
 - [Cooler Panic Button & Switch Full Install](#)
- [Page 13:](#)
 - [Siren Installation Video](#)
 - [Siren Provisioning Guide Video](#)
- [Page 14:](#)
 - [Setting the EnVR to Static](#)
- [Page 17:](#)
 - [Video Walkthrough Adding Managed Cameras](#)
 - [Video Walkthrough Replace Camera](#)
- [Page 22:](#)
 - [Manually Adding a Camera that the Device Manager did not find.](#)
 - [Manually Adding Cameras That Are Found By Device Manager but not Managed](#)
- [Page 24:](#)
 - [EnVR Appliance Swap Instruction Video](#)
- [Page 29:](#)
 - [Video Walkthrough Setting up PVM in the app.](#)
- [Page 33:](#)
 - [EnVR Error Codes](#)
- [Page 35:](#)
 - [Reseating Hardware in The EnVR](#)

Additional Video Resources:

- [Cat 5 / Cat 6 Termination Video](#) || [Cat5/6 Step By Step Instruction Guide](#)
- [BNC Crimp Connector Video](#) || [BNC Compression Connector Video](#) || [BNC Step by Step Instruction Guide](#)
- [CCTV Camera Spot Monitor and Tester Video](#)
- [Ethernet Cable Tester Video](#)
- [Multimeter Usage Instruction Video](#) || [Multimeter Step by Step Instruction Guide](#)
- [Pelco Camera Soft Reset Video Walkthrough](#) || [Pelco Camera Hard Reset Video Walkthrough](#)