

Envysion[®]

a Motorola Solutions Company

Quick Tips Guide

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

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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)

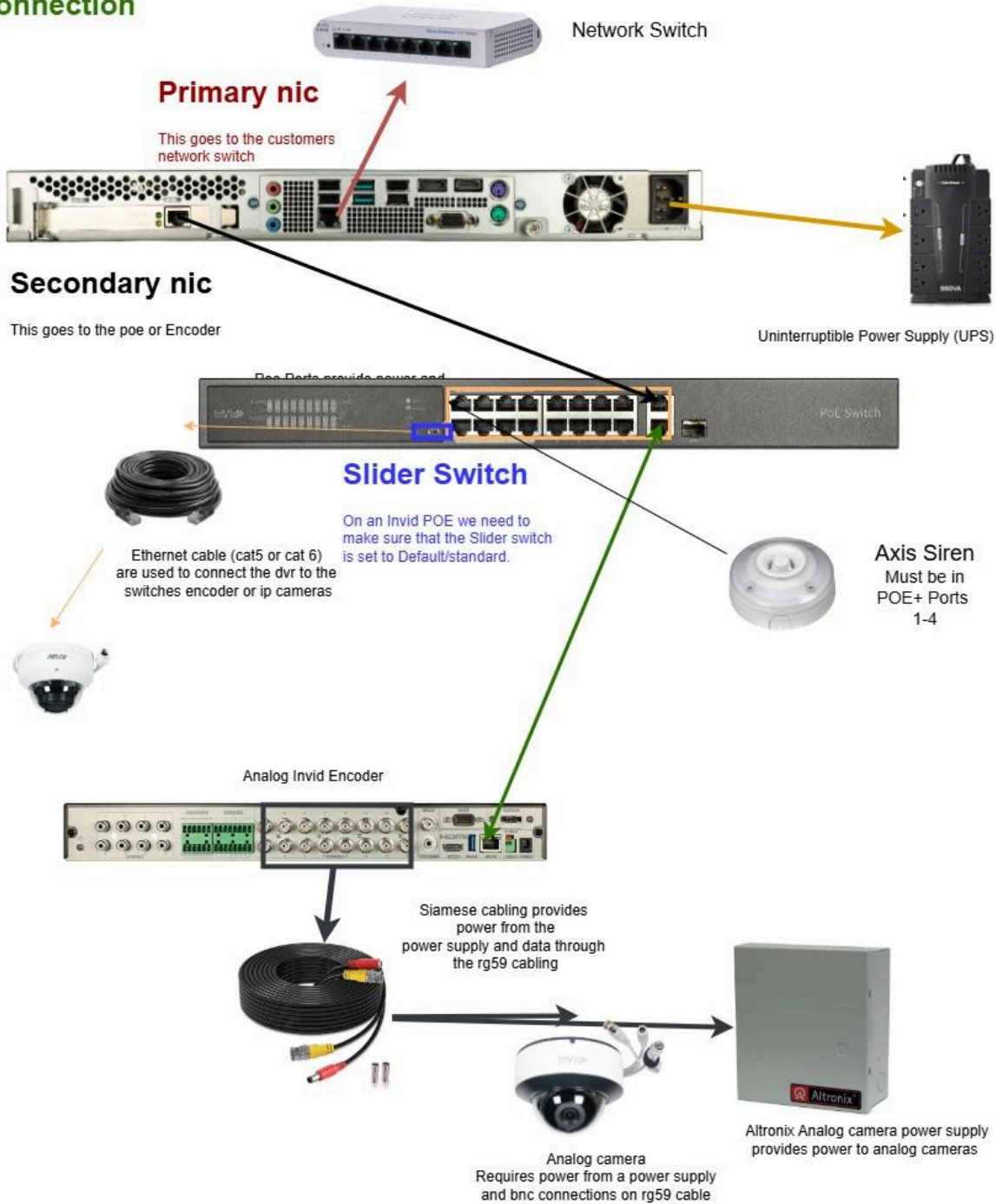


EnVR Tower Form Factor

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.

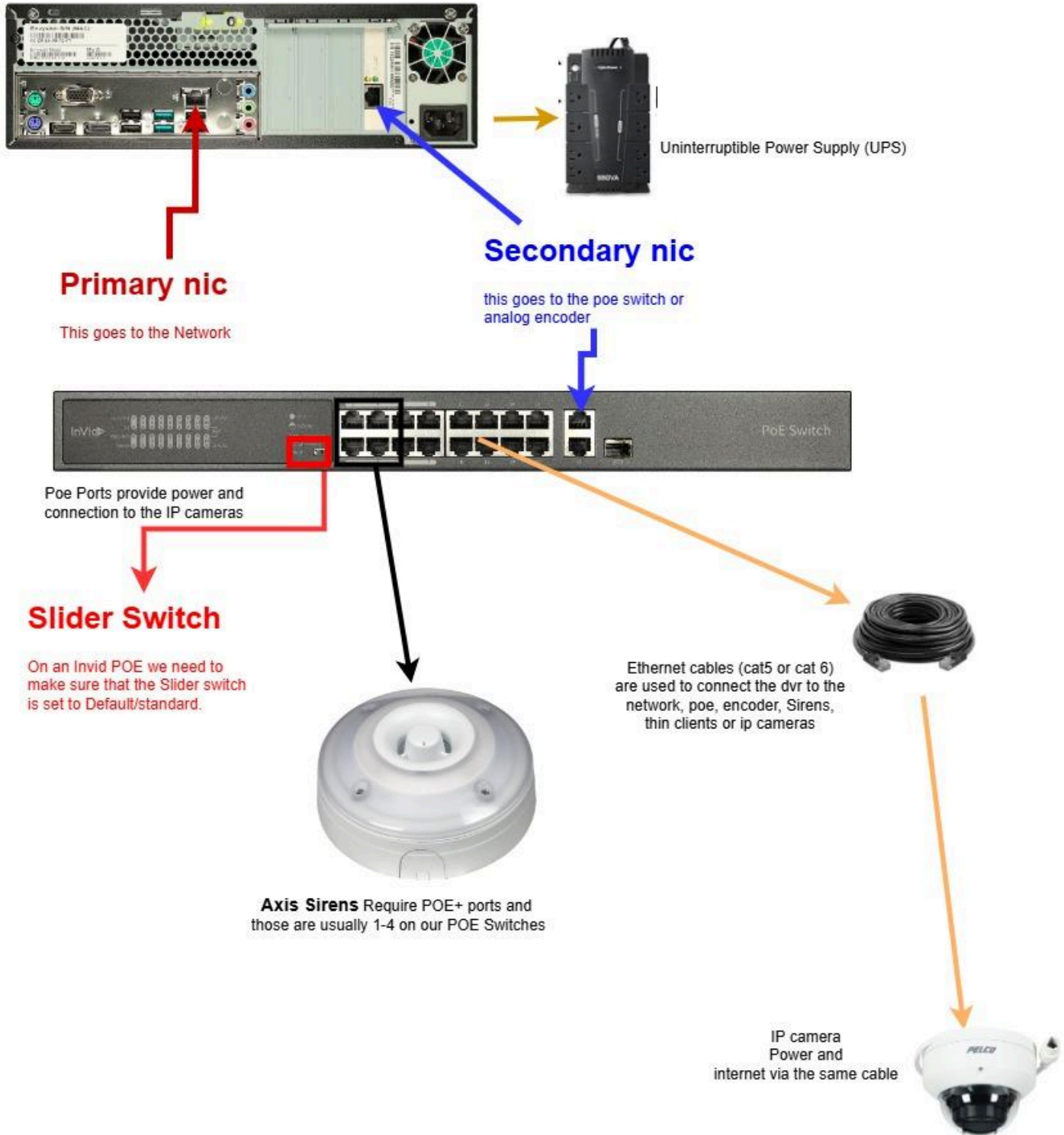
Hybrid Connection



v

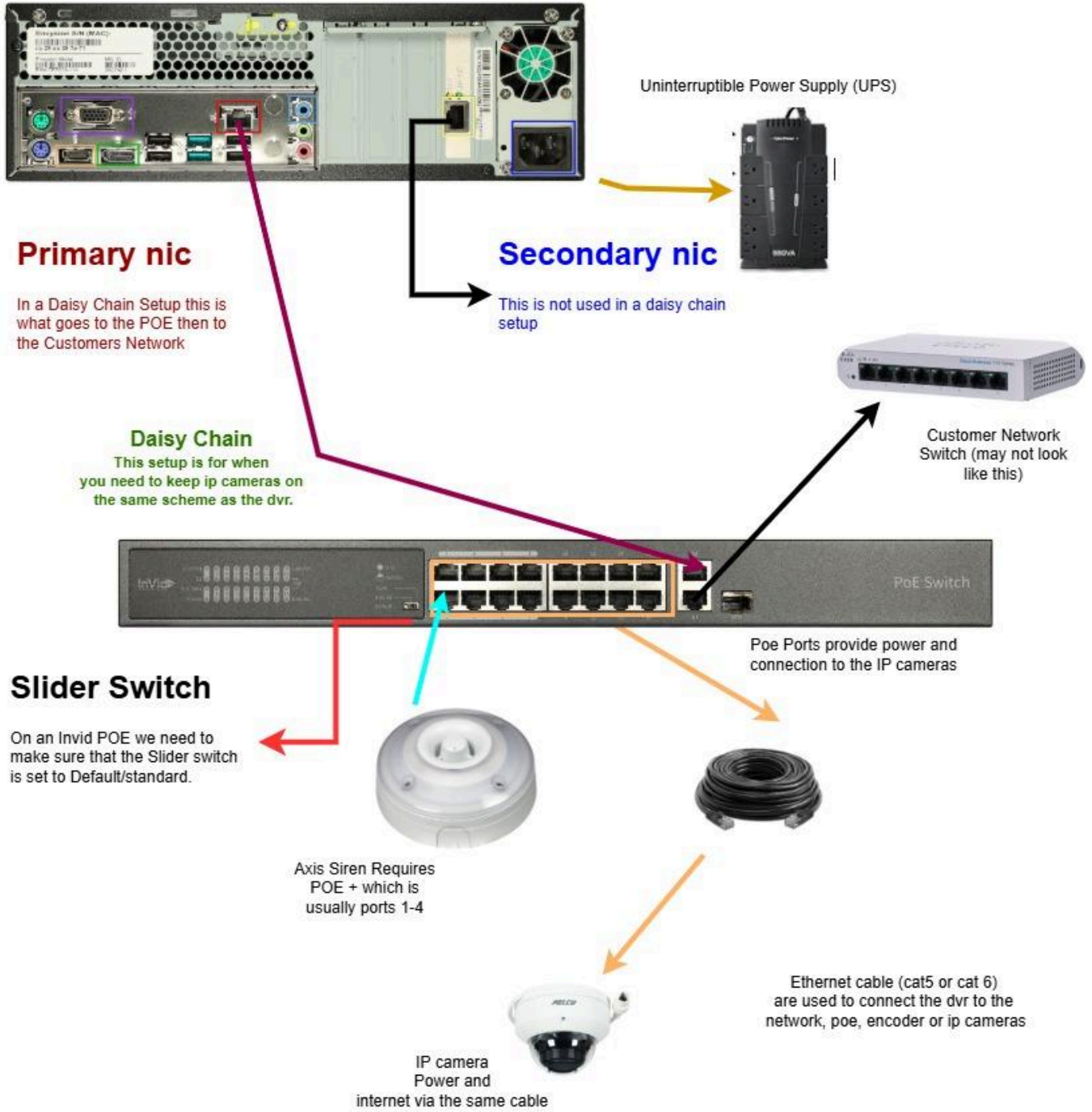
IP Only Setup

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”.)



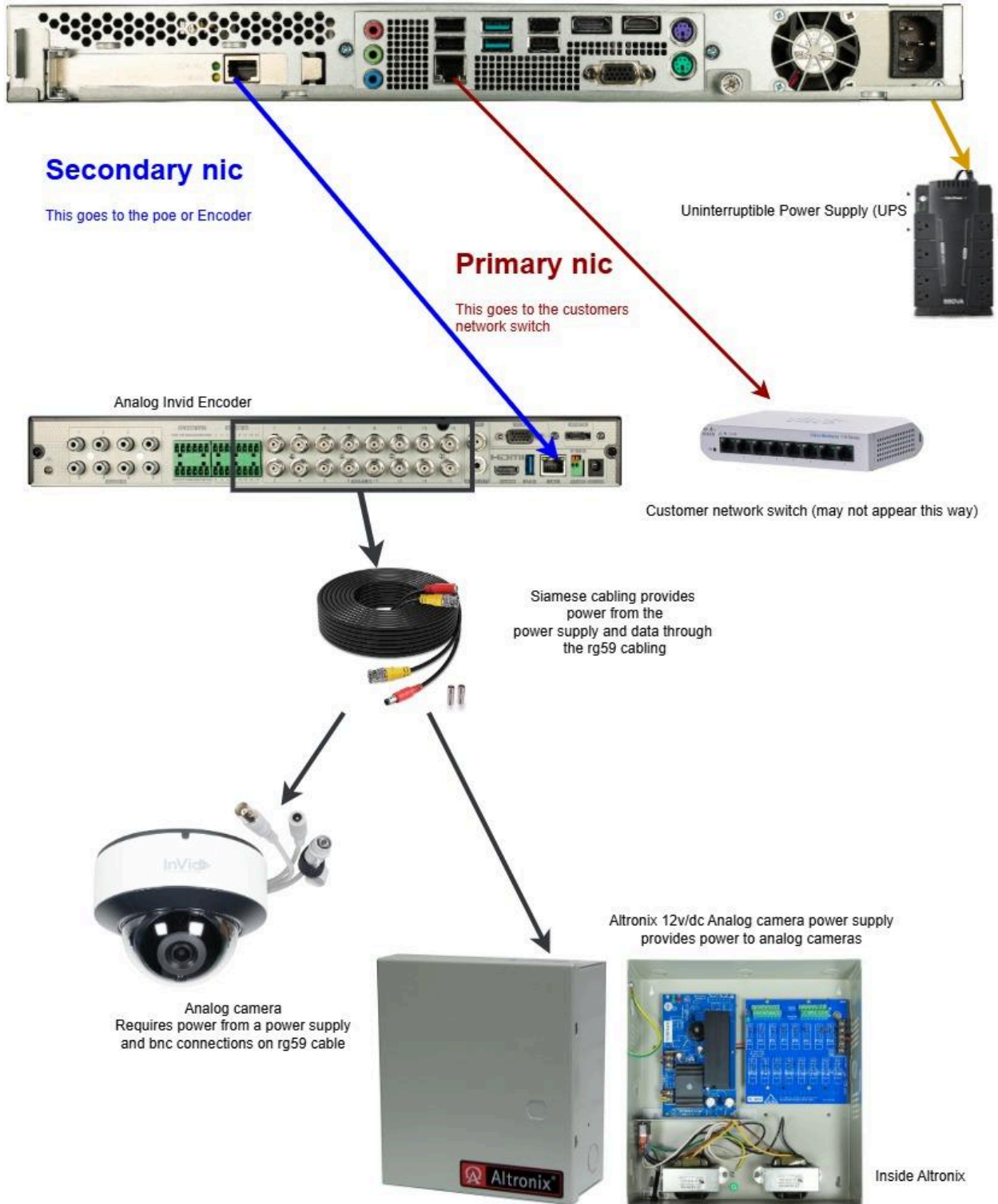
IP Only Daisy Chain

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.



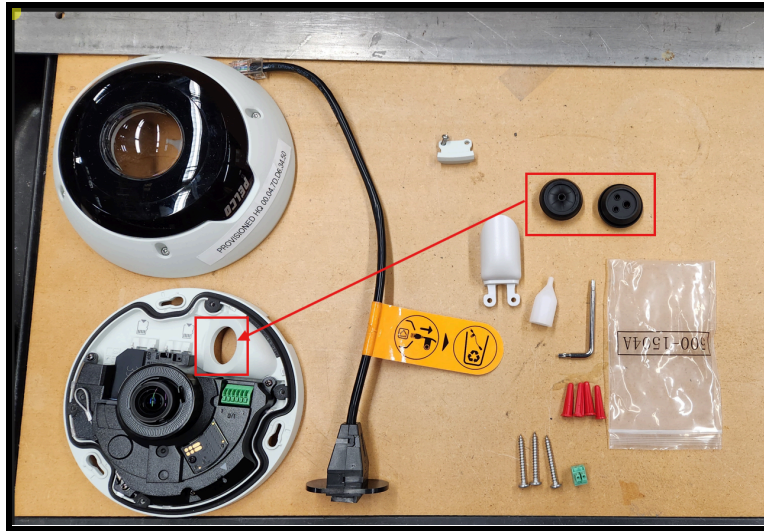
Analog Camera Setup

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 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)



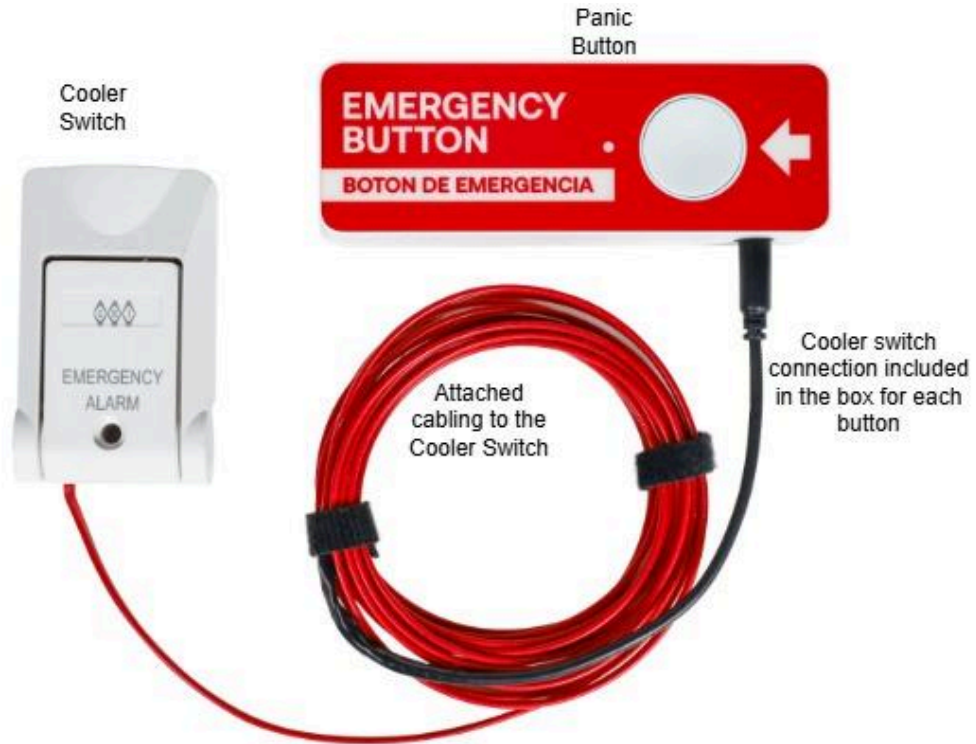
Monitor

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](#)

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: [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: [Redacted] 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 = █
offline = █

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 Minut
es
Application Management: Success - Time since last run 2 Hours, 25 Minut
es

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

- Press Ctrl-Alt-F3 to bring up a “Notice To Users” and a login prompt
- [Setting the EnVR to Static - Video Walkthrough](#)


```
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]: █
```

What the EnVR sees as the current settings

These are the items you add to set to static

Verification of what you want to change

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 \(Page 16\)](#)

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

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

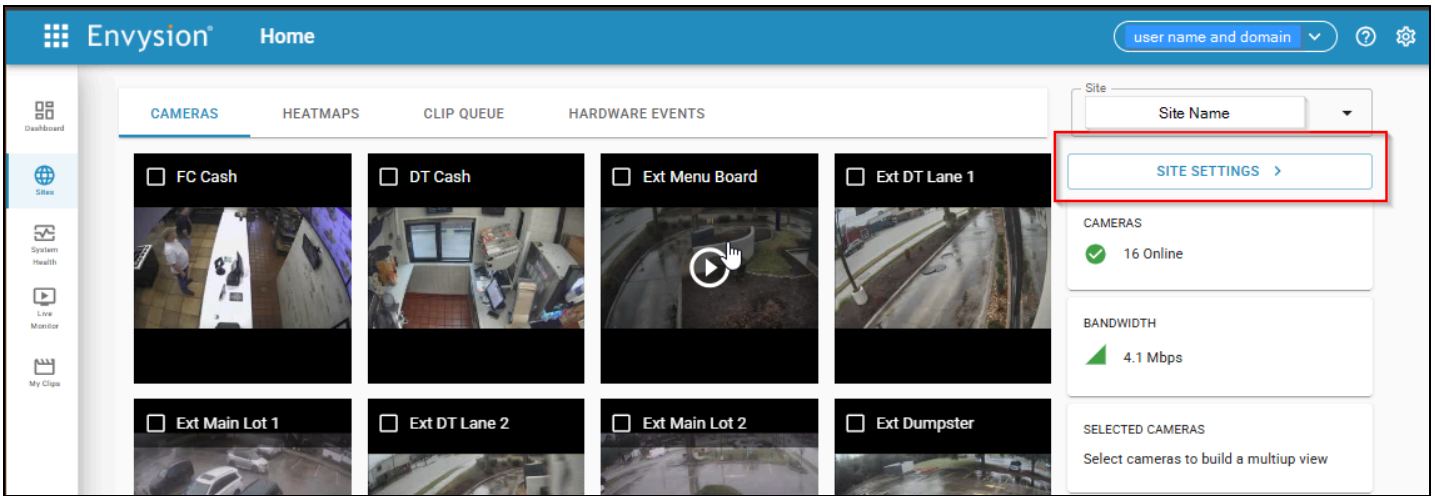
The screenshot shows the 'System Health Status' dashboard in the Envysion application. The top navigation bar includes the Envysion logo, 'Home', and a user profile dropdown. A sidebar on the left contains navigation icons for Dashboard, Sites (highlighted with a red box), System Health, Live Monitor, and My Clips. The main content area is titled 'System Health Status' and includes a link to 'SEE FULL SYSTEM HEALTH STATUS'. It features four summary cards: 'Appliances' (4 OFFLINE, 1 Offline in the last 24 hrs.), 'Cameras Offline' (47 OFFLINE, 24 Offline in the last 24 hrs.), 'Image Health' (337 IMPAIRED), and 'Cloud Archive' (11 SITES WITH FAILURES, 0 SITES WITH WARNINGS). Below these cards is a section for 'Smart Site Protection'.

The screenshot shows the 'Sites' management page in the Envysion application. The top navigation bar includes the Envysion logo, 'Home', and a user profile dropdown. A sidebar on the left contains navigation icons for Dashboard, Sites (highlighted with a blue box), System Health, Live Monitor, and My Clips. The main content area has a search bar labeled 'Search for your site here' and a 'Domain Name' filter. Below these are several rows of site information, each with a folder icon and the text 'Area Folder' followed by the number of sites. The bottom section shows a list of individual sites with columns for 'Site Name', 'Site address', and a lock icon.

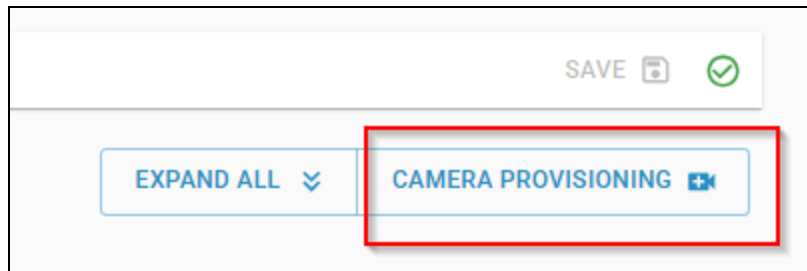
Area Folder	Sites
Area Folder	103 sites
Area Folder	30 sites
Area Folder	78 sites
Area Folder	74 sites
Area Folder	82 sites

Site Name	Site address
Site Name	Site address
Site Name	Site address
Site Name	Site address
Site Name	Site address
Site Name	Site address

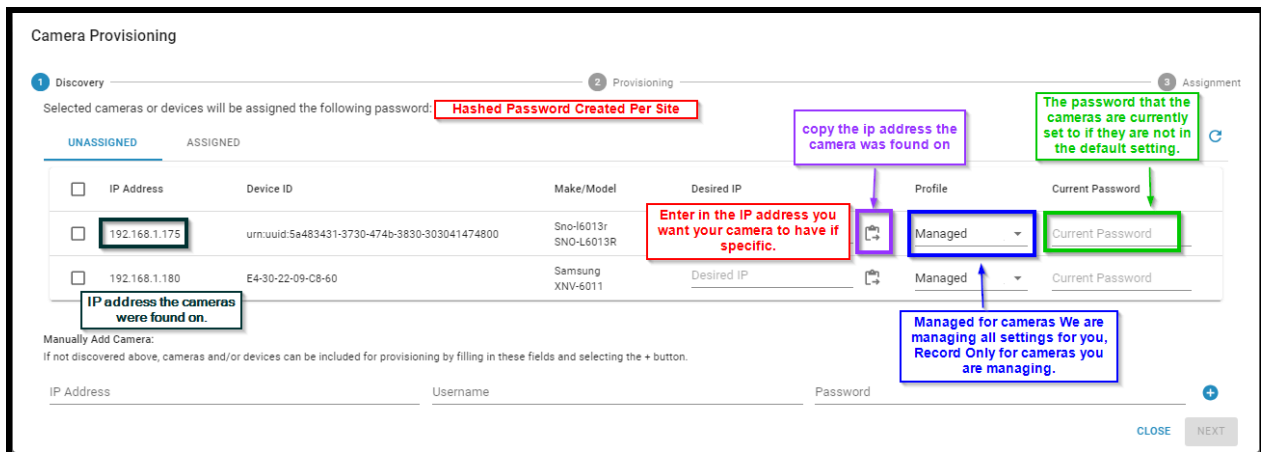
Navigate to Site Settings



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

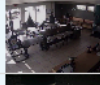







will appear. Select a single EnVR to add cameras to, then select Next.

<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

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"/>	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...	Display Order
<input checked="" type="checkbox"/>		172.16.127.130:554	58:5B:69:23:01:63	InVid-Encoder PD1B-16NH2 (2)	Select Camera		Select Registers...	Display Order
<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.

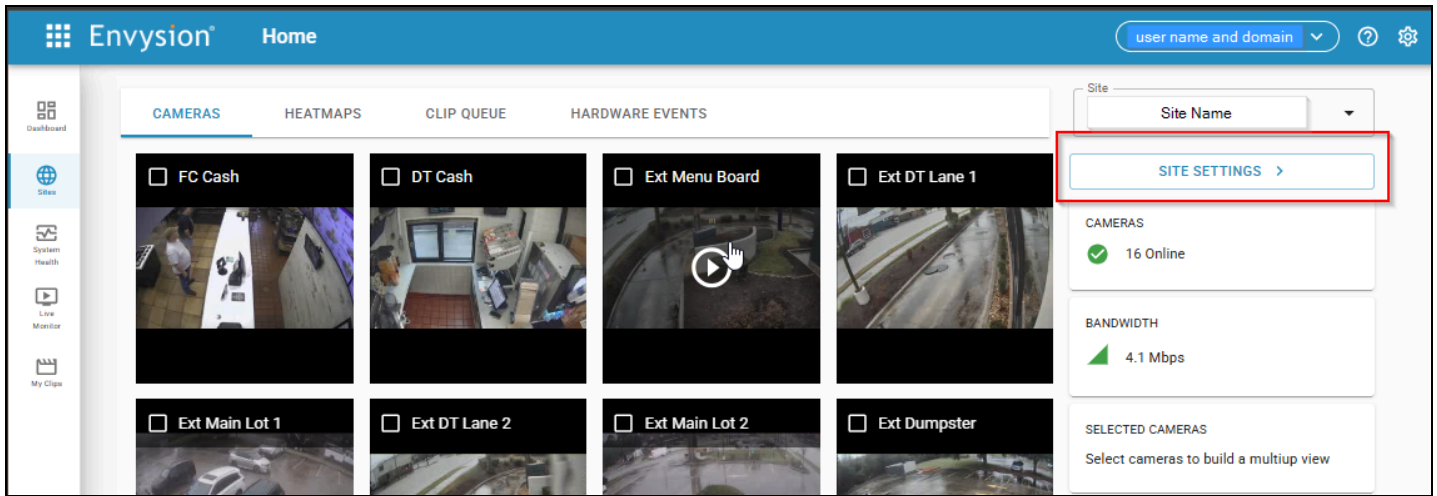
System Health Status
Track the Health of Your Video Surveillance Network. [SEE FULL SYSTEM HEALTH STATUS](#)

Metric	Value	Status	Additional Info
Appliances	4	OFFLINE	1 Offline in the last 24 hrs.
Cameras Offline	47	OFFLINE	24 Offline in the last 24 hrs.
Image Health	337	IMPAIRED	
Cloud Archive	11	SITES WITH FAILURES	0 SITES WITH WARNINGS

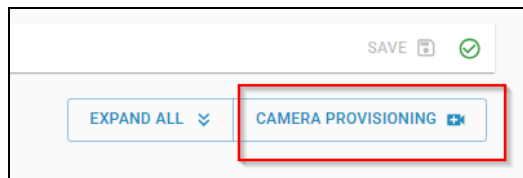
Domain Name Search for your site here

Icon	Entry Name	Count	Address	Actions
Folder	Area Folder	103 sites		
Folder	Area Folder	30 sites		
Folder	Area Folder	78 sites		
Folder	Area Folder	74 sites		
Folder	Area Folder	82 sites		
Warning	Site Name		Site address	
Warning	Site Name		Site address	
Warning	Site Name		Site address	
Success	Site Name		Site address	
Warning	Site Name		Site address	

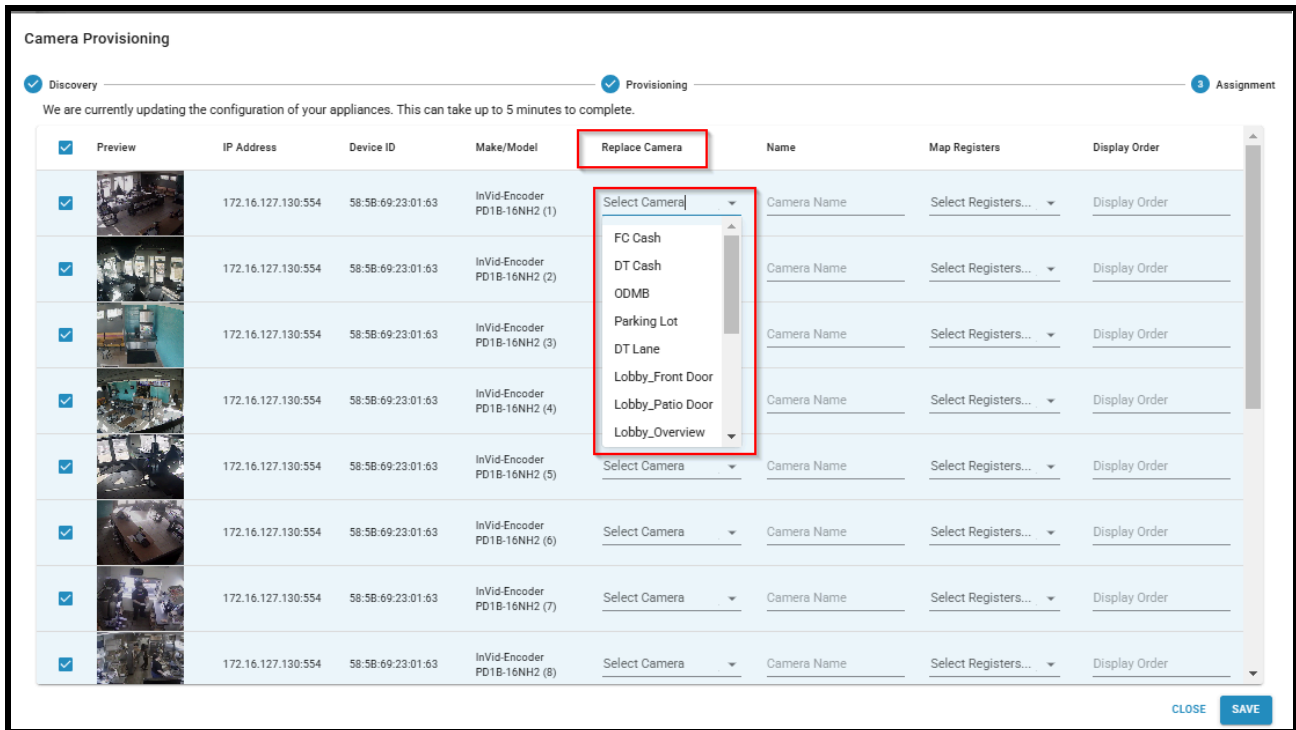
Navigate to Site Settings



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 +

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	<input type="text" value="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

Discovery Provisioning Assignment

▲ **Provisioning**
Some cameras were not provisioned

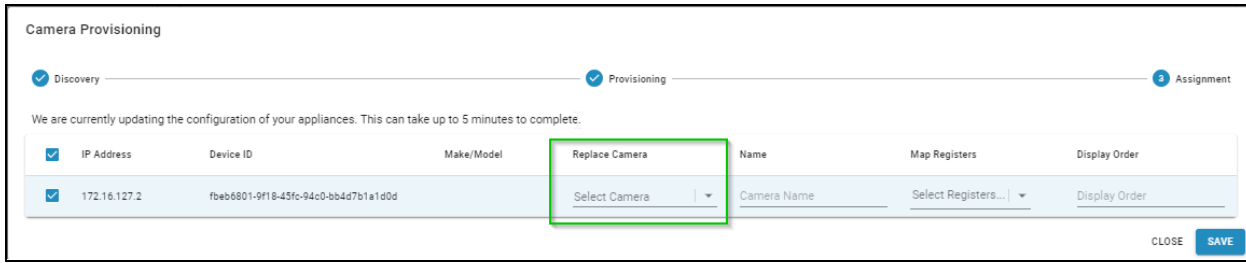
The camera(s) in the table below were unable to be provisioned. Please check and resolve the error message(s) before clicking Retry Failures or manually mark the camera resolved.

IP Address	Device ID	Status	Make/Model	Desired IP	Stream URL	Username	Current Password
172.16.127.155	6d2cd7bc-60da-4b60-9759-81425ec060ae	Onvif initialization failed - Failed to connect to the IP camera		N/A	<input type="text" value="Stream URL"/> <small>Must enter a value</small>	admin	<input type="text" value="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)

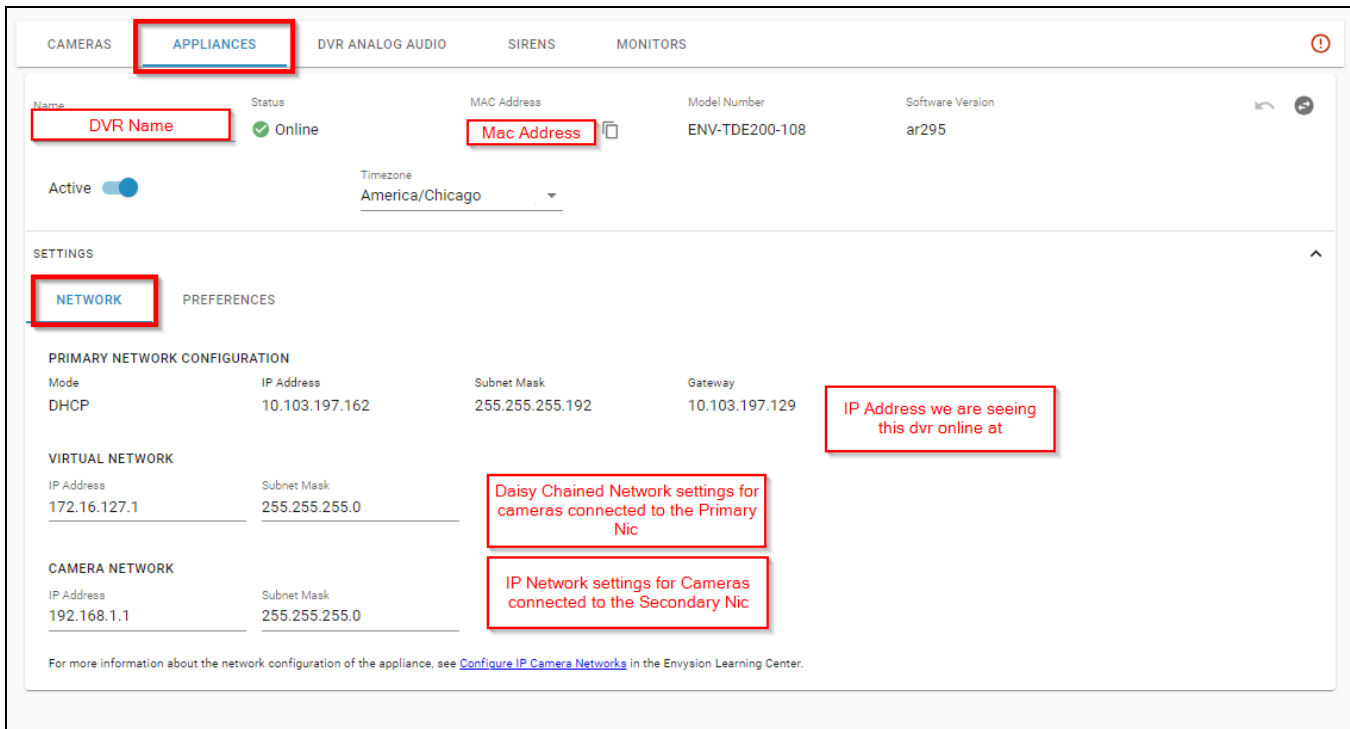


Then hit Save.

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

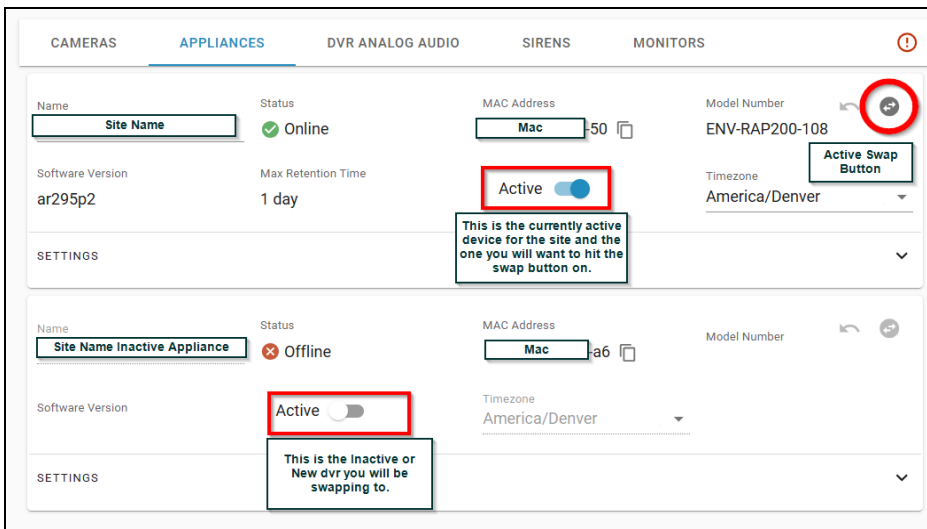


If the cameras are not streaming check the Network settings on the Appliance page. Does the virtual network or Camera network match the ip addresses of the cameras? If not, update them to match and hit save in the top right corner.

Replace a DVR In the Application

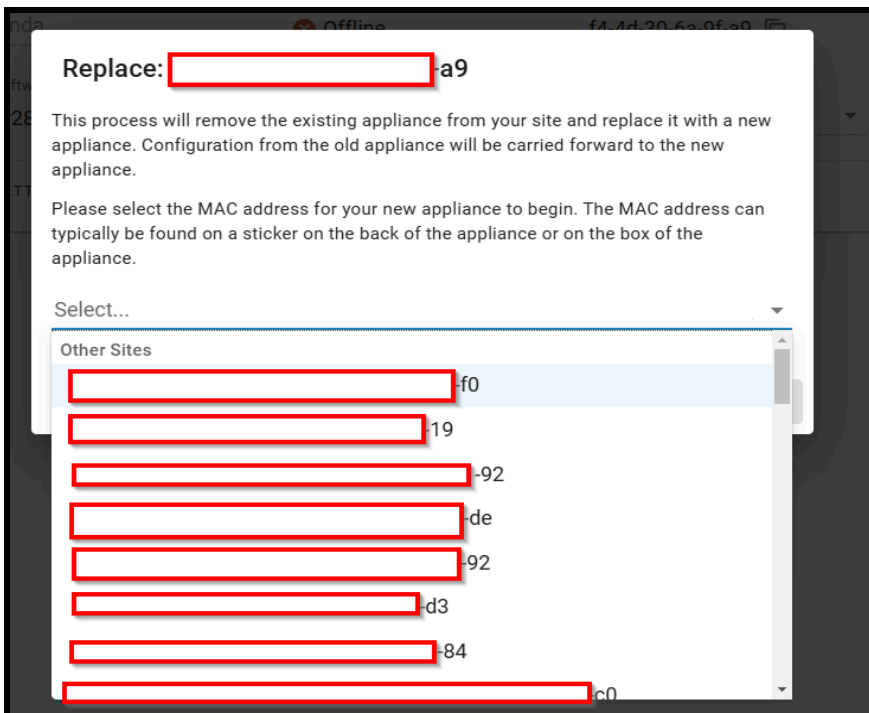
- Log into the Envysion application (<https://video.envysion.com>)
- Click on Watch Video. And Search for your site.
- Go to Site Settings in the bottom left hand corner of the screen.
- Click on the Appliances tab at the top of the screen.
- The Old DVR Must be the active one and the new DVR Must be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

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



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.



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.

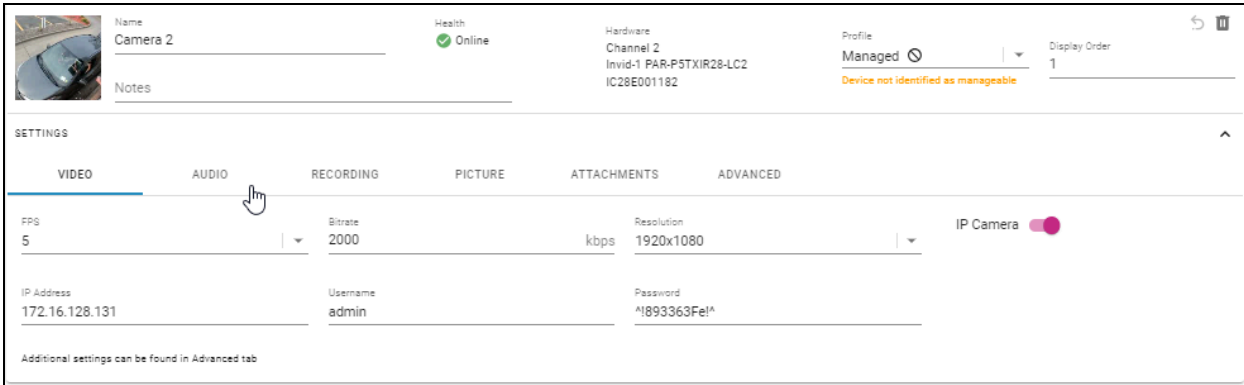
If for any reason it fails. Please reach out to us.

Setting Up Audio In the Application

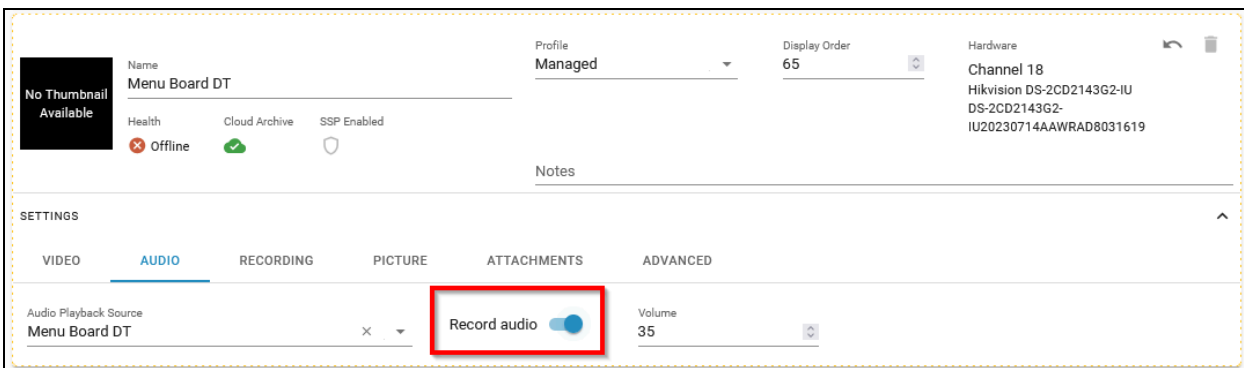
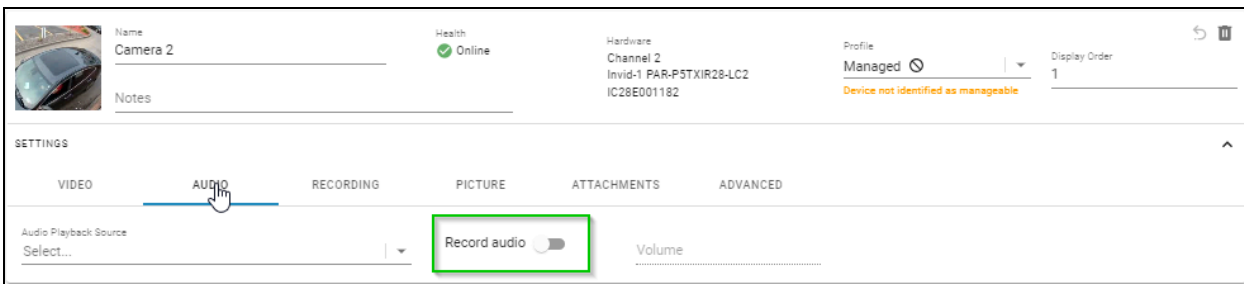
IP (in camera) Audio

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.



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



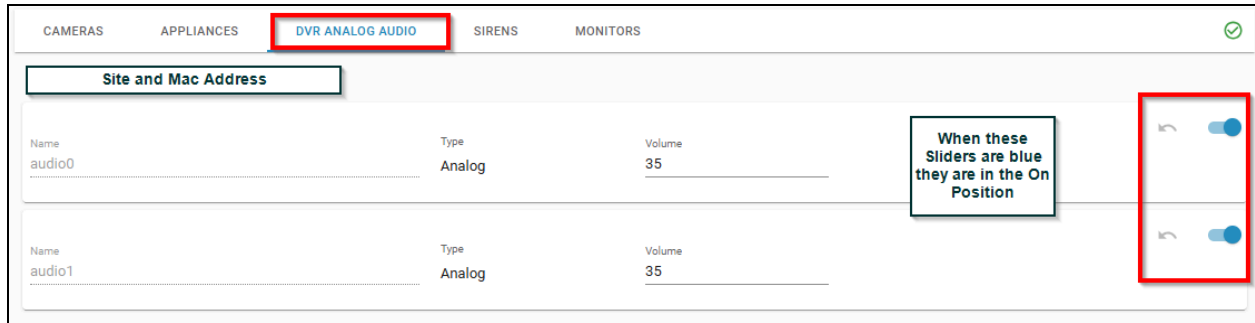
Then hit save at the top of the screen



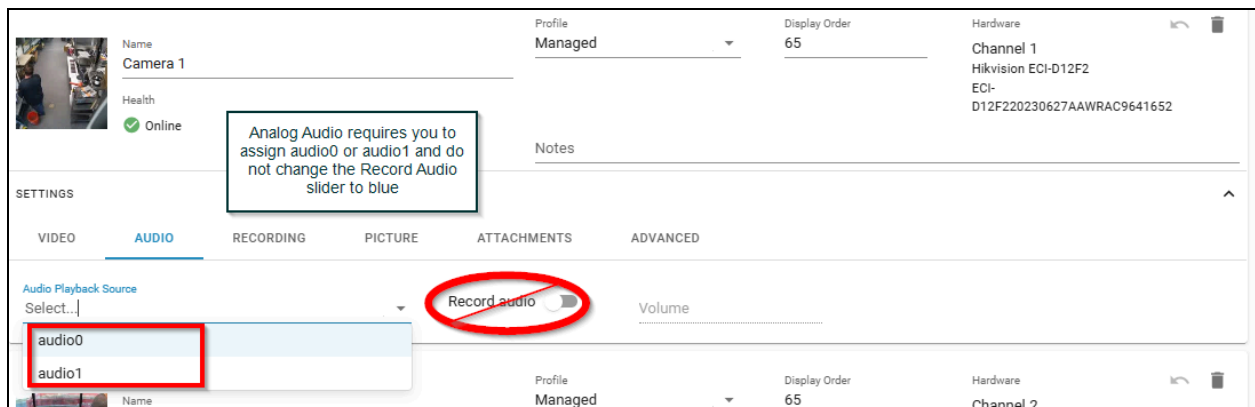
Analog Audio Setup

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



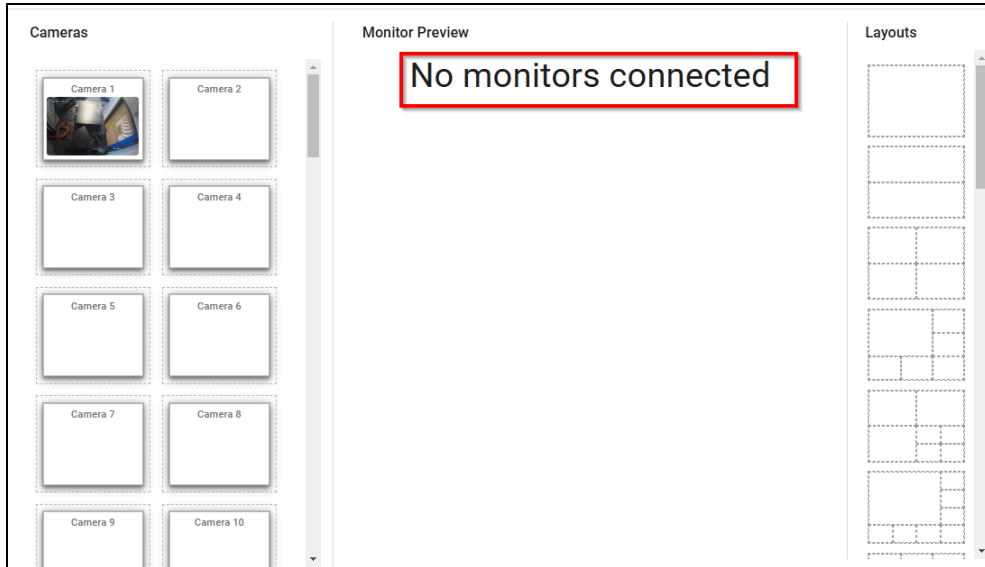
PVM Setup through the App

[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.

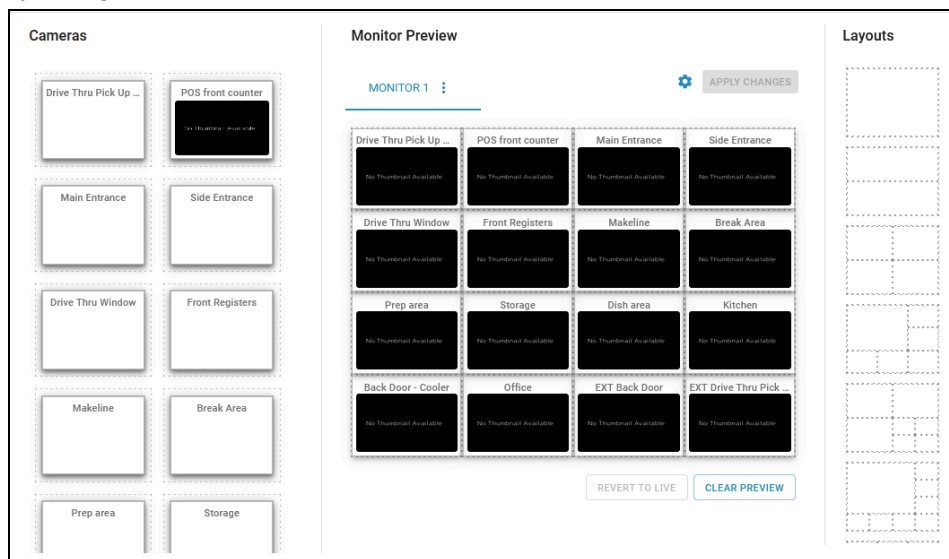


If there is an issue with the EnVR seeing the monitor connection you will see this screen.

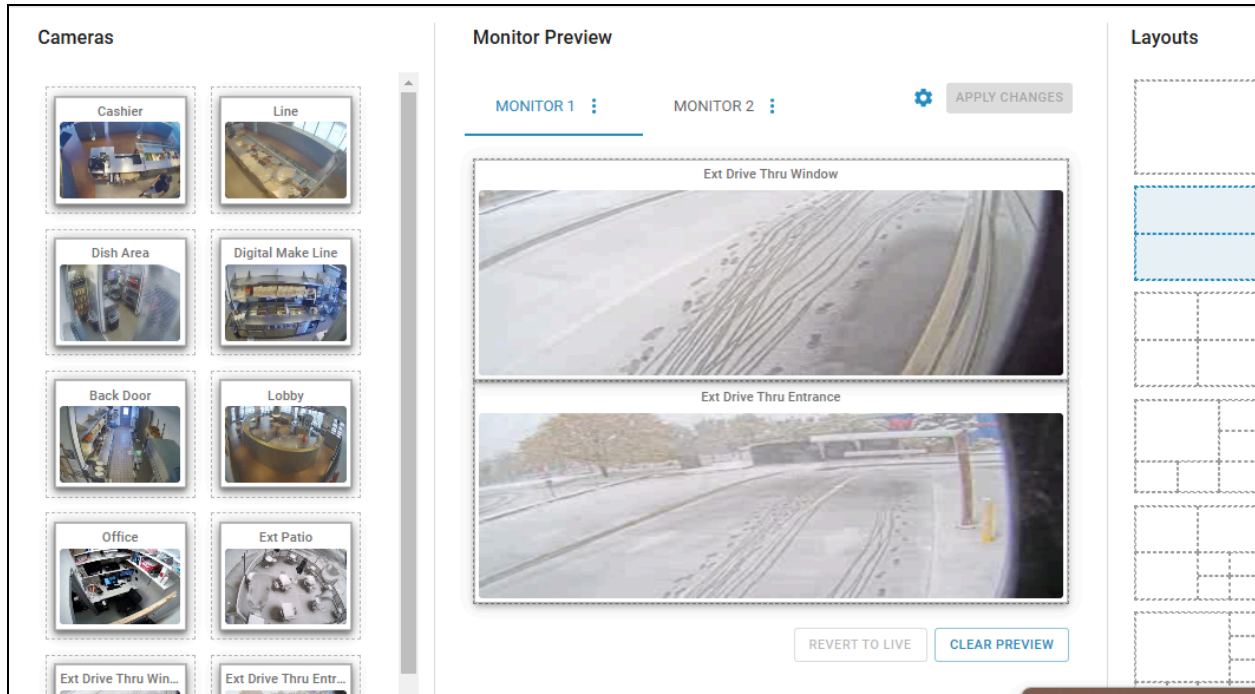


Single Monitor:

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.



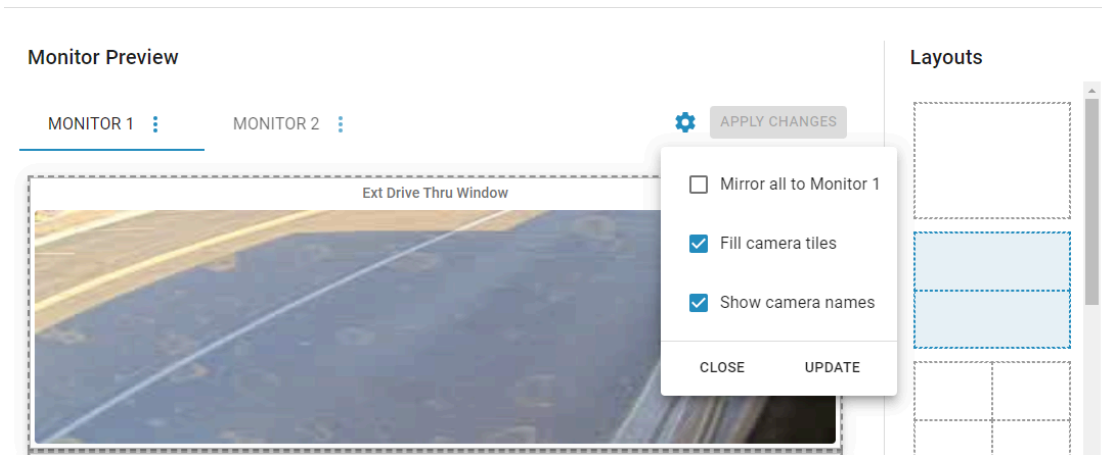
If the site has two monitors and both are detected you will see this screen.



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. When calling please have this information ready:

1. What is the Job ID Number, or Store ID Number?
2. Where is the Camera power supply* physically mounted / Located?
 - a. *Camera power supply relates to either POE switch, analog power supply, or both
3. How Many Remaining available ports are on the POE that provide POE?
4. Where is the DVR physically located?
5. What network device are we plugged into?
6. What switch provides us with the internet?
7. Which port are we plugged into on the network device?
8. What is the technician's name who completed the work?
9. Who did they check out with on site?
10. Did we verify that all the systems that were previously connected are still working (phones, music, pos, internet)?

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: [Redacted ar295]

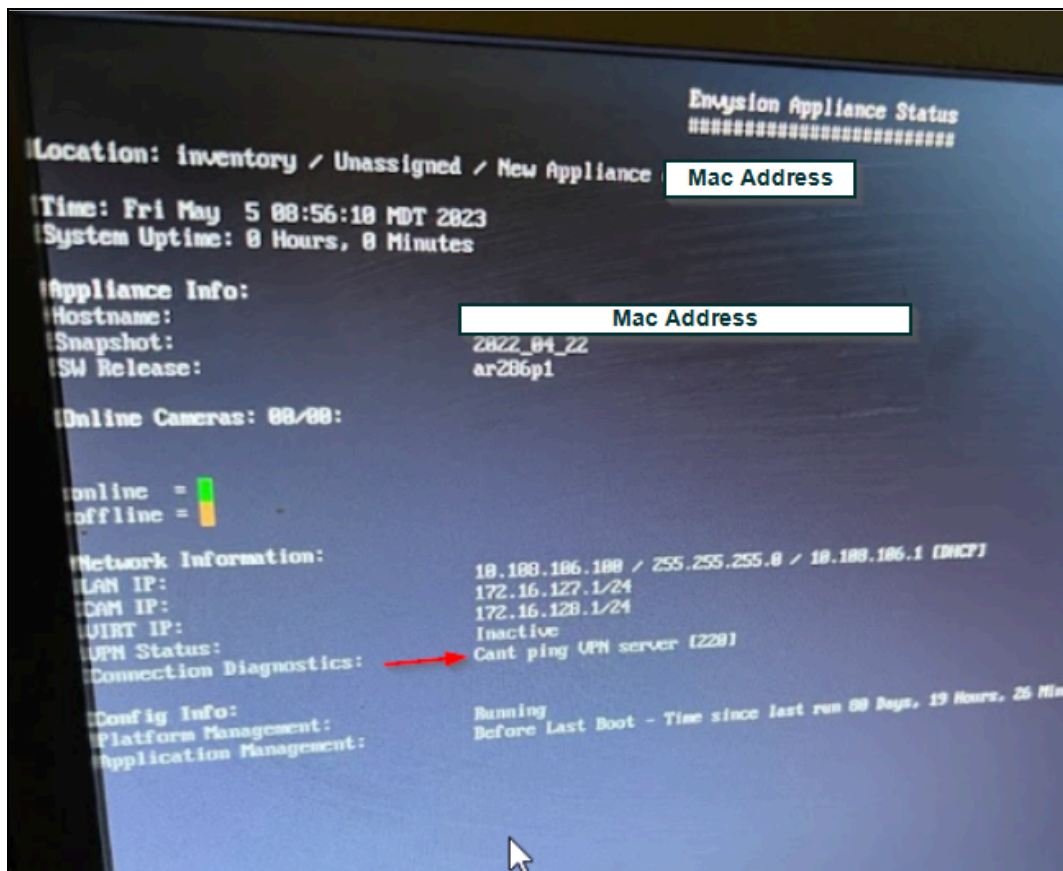
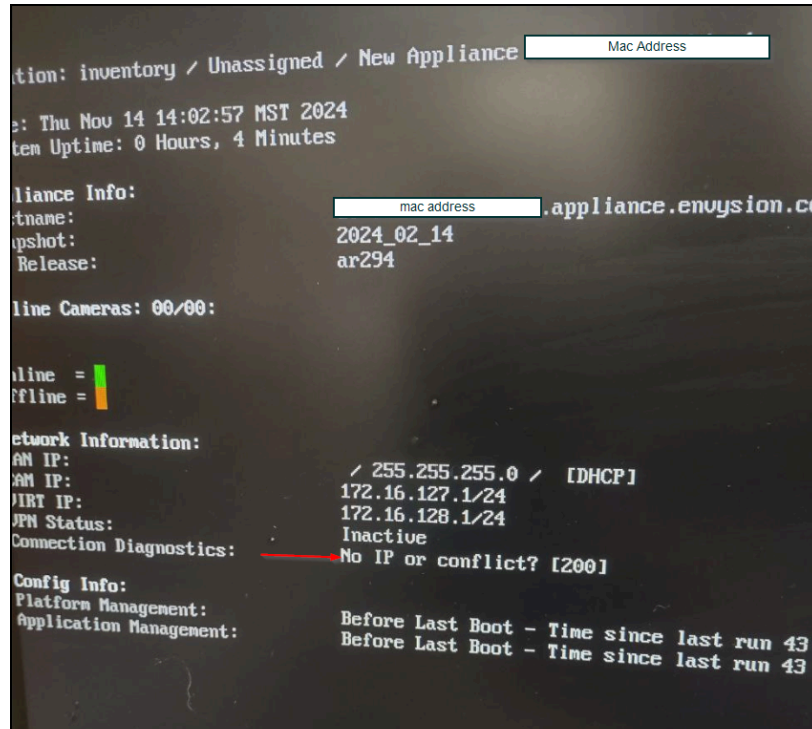
Online Cameras: 28/28:
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
27
online = █
offline = █

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: [Redacted Active [172.25.160.98] [Redacted vpn IP Address]]
Connection Diagnostics: [Redacted Connected [000]]

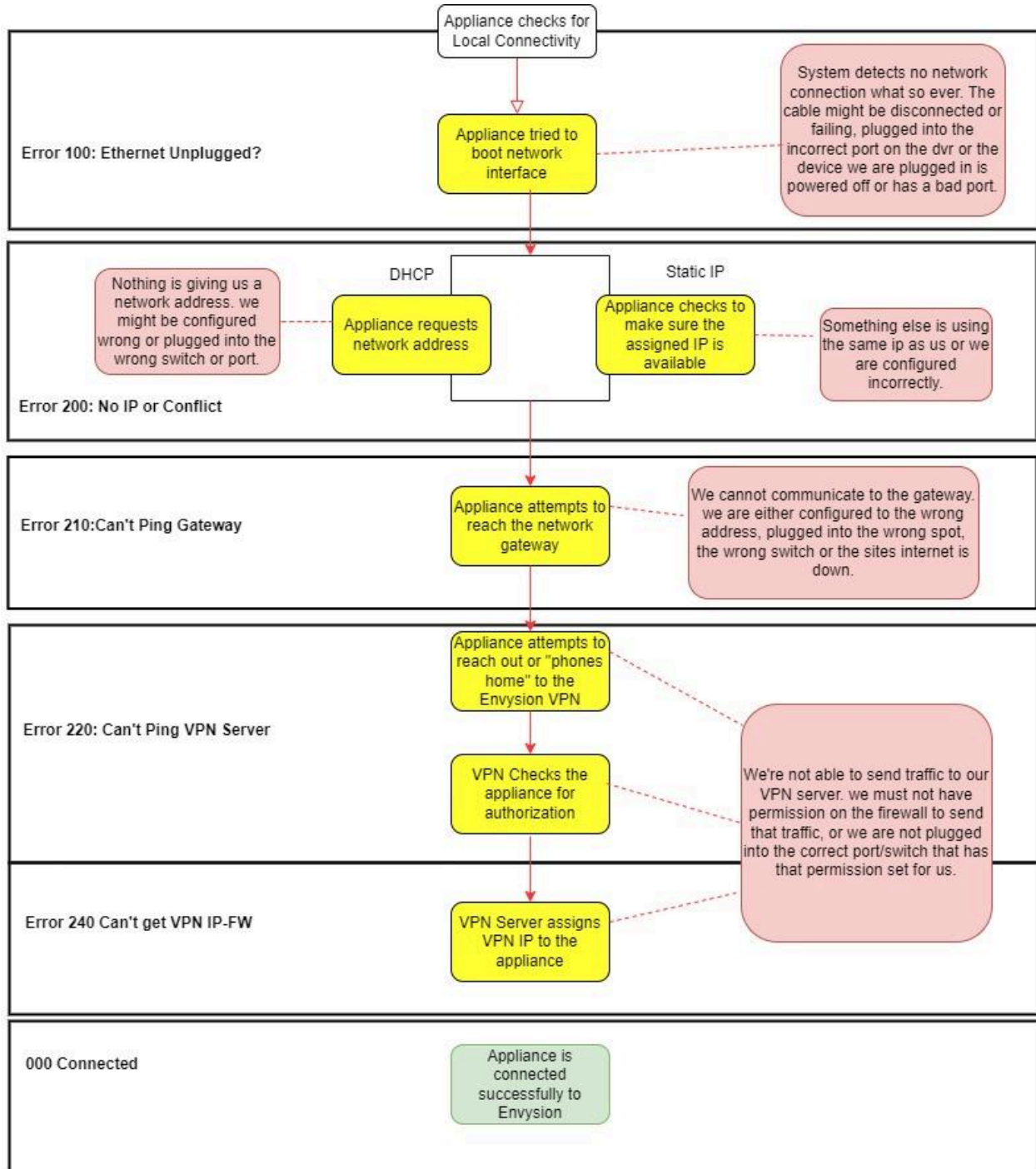
Config Info:
Platform Management: Success - Time since last run 9 Hours, 25 Minut
es
Application Management: Success - Time since last run 2 Hours, 25 Minut
es

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

This connection diagnostics status is **GOOD**



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:

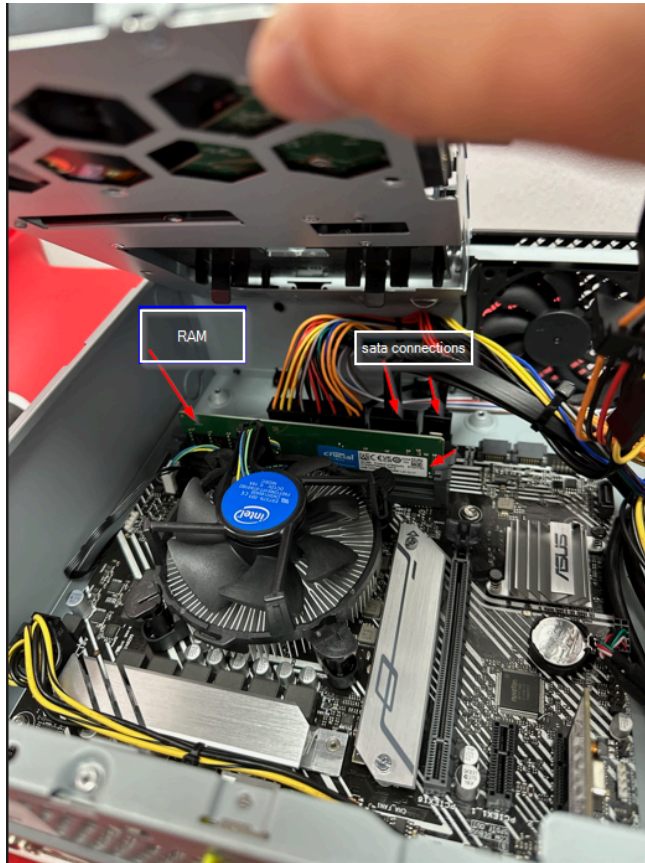
HTTP Proxy and OpenVPN application access from our system to the specified IP ranges above.

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 reseal (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 reseal 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 10:](#)
 - [Setting up the Hanwa Decoder](#)
- [Page 11:](#)
 - [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:](#)
 - [Setting the EnVR to Static](#)
- [Page 15:](#)
 - [Video Walkthrough Adding Managed Cameras](#)
 - [Video Walkthrough Replace Camera](#)
- [Page 16:](#)
 - [Manually Adding a Camera that the Device Manager did not find.](#)
 - [Manually Adding Cameras That Are Found By Device Manager but not Managed](#)
- [Page 18:](#)
 - [EnVR Appliance Swap Instruction Video](#)
- [Page 21:](#)
 - [Video Walkthrough Setting up PVM in the app.](#)
- [Page 23:](#)
 - [EnVR Error Codes](#)
- [Page 27:](#)
 - [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](#)
- Cooler Panic Button & Switch: [Full Install Video](#) || [Pre-Install & Setup Video](#) || [Quick Install Video](#)