

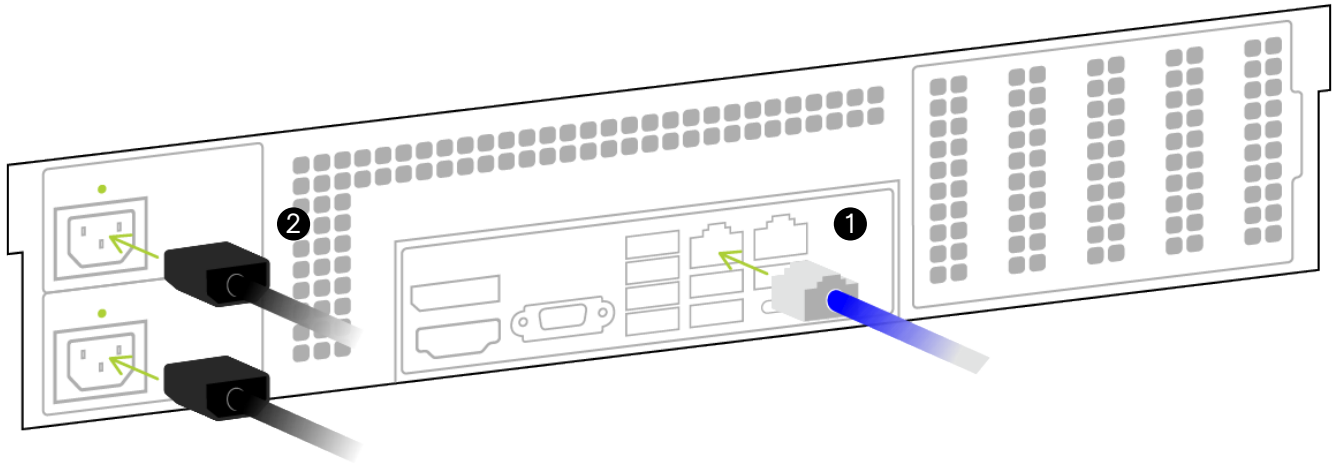


Server Quick Start Guide

Please read this manual carefully before installing and using our servers.
Related tools and resources of products can be accessed through your account manager.

Server Cable Connections

Once you have received the pre-configured server, follow the steps below to start using the NVR:



- 1 Connect an ethernet cable (Cat 5e or better) from your ethernet switch to the primary ethernet port.
- 2 Connect the 2 Power Cable(s) to the power port on the back of the NVR. The NVR should begin booting right away.
- 3 Wait a couple of minutes for the server to finish booting, then check the status of the server by logging in to the LiveReach Dashboard.

Port List

The following ports need to be open on the VLAN where the LiveReach AI NVR product will be installed for the device's normal operations

Port	Direction	
TCP 80 & 554	Internal/VLAN	Internal/VLAN
TCP 443	Outbound	api.livereachmedia.com
TCP/UDP 443	Outbound	wg.livereachmedia.com
TCP 443	Outbound	data.livereachmedia.com
UDP 54	Outbound	8.8.8.8 8.8.4.4
TCP/UDP 123	Outbound	*.pool.ntp.org
TCP 443	Outbound	s3.us-east-2.amazonaws.com
TCP/UDP 7844	Outbound	region1.argotunnel.com region2.argotunnel.com
TCP 443	Outbound	api.cloudflare.com
TCP 80 & 443	Outbound	stun.relay.metered.ca a.relay.metered.ca
TCP 19302	Outbound	stun1.l.google.com stun2.l.google.com

Camera Reachability

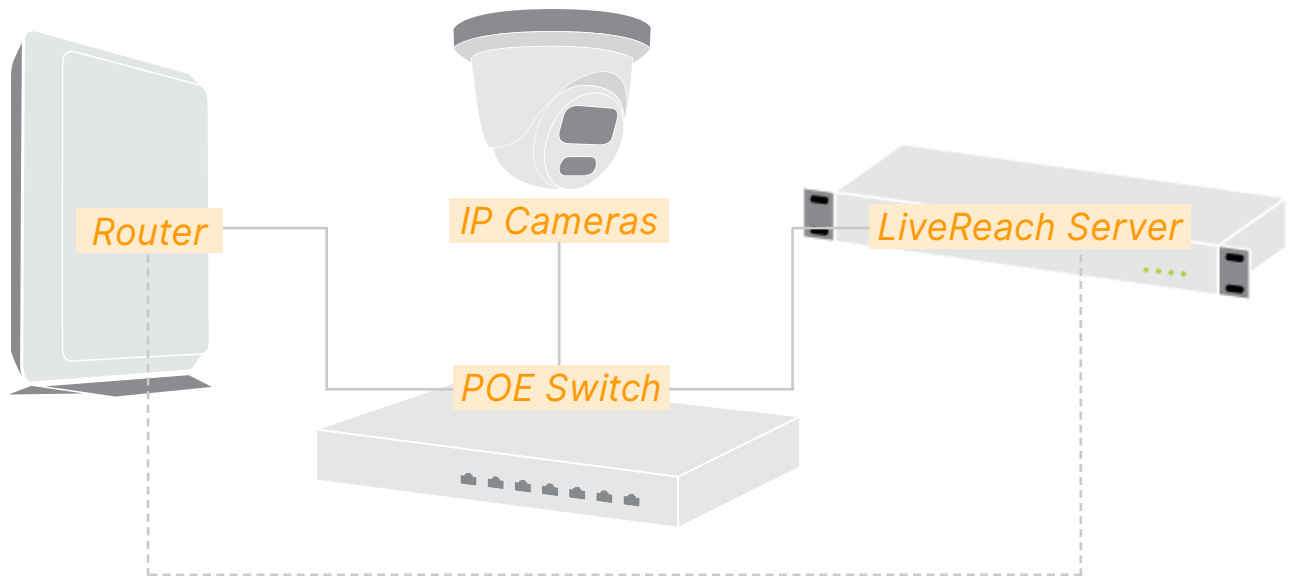
Cameras need to be on the same VLAN as the NVR in order for the NVR to be able to communicate with your existing cameras or any new cameras.

If it is not possible to have the NVR and cameras on the same VLAN, then access routes need to be pre-configured to allow the allocated NVR IP Address to communicate with each of the camera IP addresses that it needs to process.

The following are the configuration options for your system.

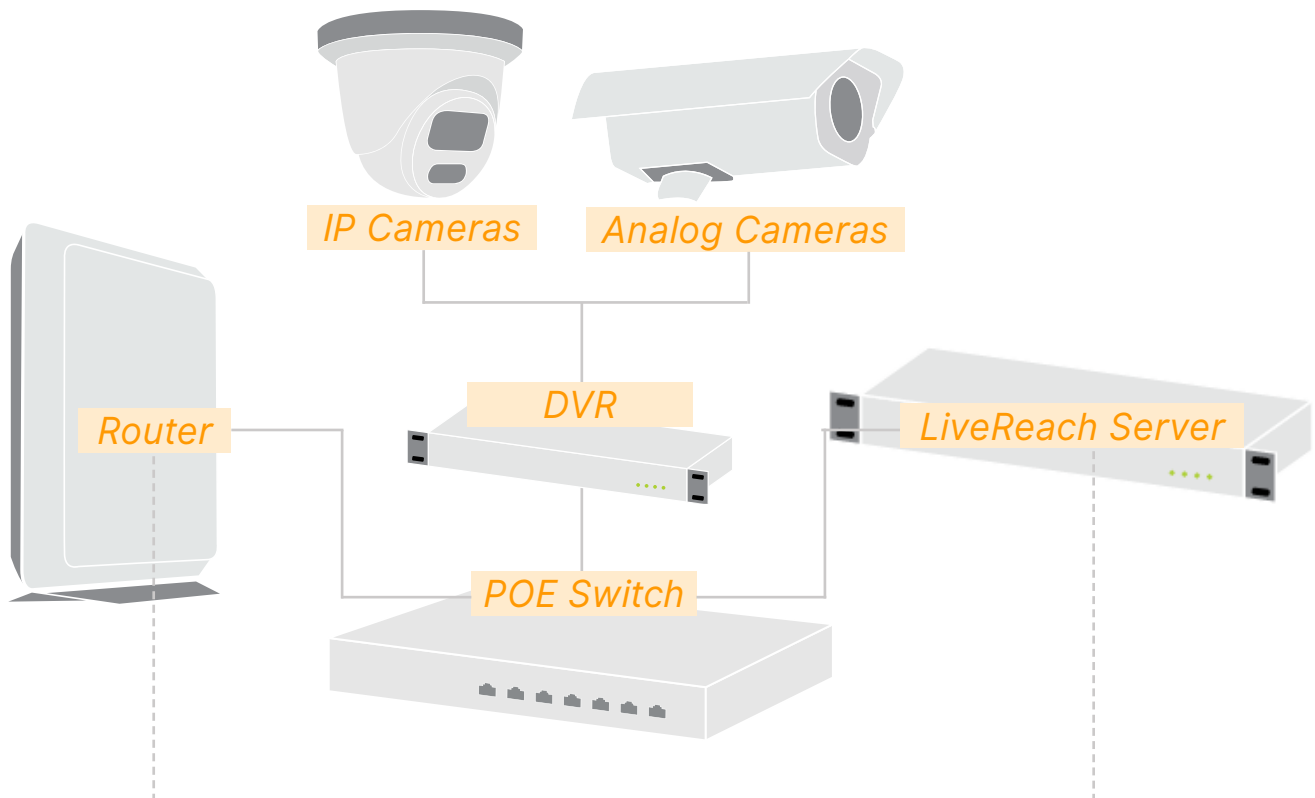
1. Using Digital IP Cameras

(LiveReach AI cameras or preexisting IP cameras)



2. Analog Camera Integration

Many analog DVRs are ONVIF compliant and can be added. If your analog DVR is not ONVIF compliant, work with your account manager and they will suggest an encoder that will convert the analog streams to become reachable on the network



Static IP Configuration

Skip this step if Static IP is not required for your server

This process will require a USB Flash Drive

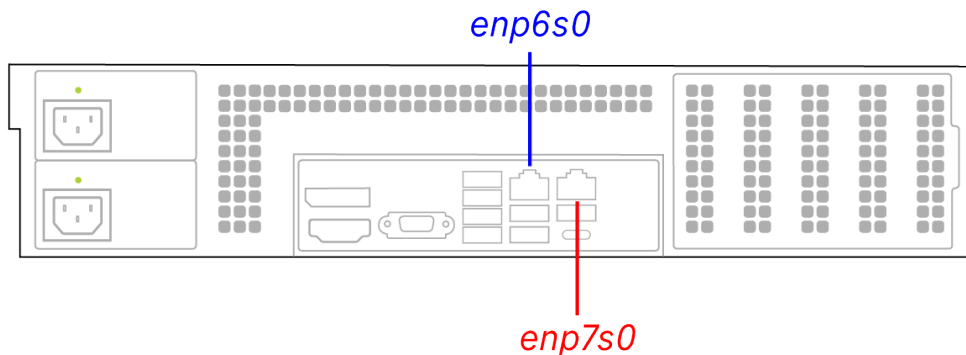
Configuring your NVR with the proper credentials can be done by downloading a configuration file to a USB Flash Drive and plugging the flash drive into the NVR while it is powered on.

- ① Log in the LiveReach AI app and navigate to the **Configuration** section of the dashboard.
- ② Select the **Servers** tab.
- ③ Select the  icon on the NVR you wish to configure.
- ④ Select the **Network Configuration** tab.
- ⑤ In the Interfacedrop down select `enp5s0`.
- ⑥ Disable the **DHCP** checkbox and Enable the **Internet Access** checkbox
- ⑦ Enter the **Addresses & Subnet** Mask you wish to use including the **Gateway** and **DNS Servers** to used. *If you do not know your DNS servers, you can use 1.1.1.1 or 1.0.0.1*
- ⑧ Press  and save the file to the Flash Drive
- ⑨ Eject the Flash Drive and Plug the Flash Drive into any of the NVR's open USB ports
- ⑩ Wait a couple of seconds before removing the flash drive.
- ⑪ The NVR should be configured with the appropriate static IP.

Dual/Multi Network Interfaces

Skip this step if Dual Network is not required for your server

If your system requires connectivity to two separate networks, then you can use the Server Configuration tool to manage multiple networks.



- ❶ Connect the ethernet in the Primary Port to a switch/router that has internet access
- ❷ Connect the ethernet in the Secondary Port to a switch/router that is connected to the camera network

This process will require a USB Flash Drive

- ❶ Log into the LiveReach AI app and navigate to the **Configuration** section of the dashboard.
- ❷ Select the **Servers** tab.
- ❸ Select the  icon on the NVR you wish to configure.
- ❹ Select the **Network Configuration** tab.
- ❺ In the Interface drop down, select `enp5s0` (Primary Interface).
- ❻ Toggle on the **Internet Access** for the correct interface. (use the Primary Interface for Internet).
- ❼ Click on Add Network
- ❽ Select `enp6s0` (Secondary Interface) and disable internet access
- ❾ If the network type is **DHCP**, ensure that is checked, otherwise enter the Static IP configuration.
- ❿ Press  and save the file to the Flash Drive.
- ⓫ Eject the Flashdrive and Plug the Flash Drive into any of the NVR's open USB ports.
- ⓬ Wait a couple of seconds before removing the flash drive
- ⓭ The NVR should be configured with the appropriate static or dynamic IPs.

Checking Status

To check the status of your server, go to the LiveReach AI portal:



- ❶ Enter the log in information provided by your LiveReach Account manager.
- ❷ Once you are logged in, navigate to the **Configuration** page and click on the **Servers** tab to view the servers in your account:
- ❸ You can now see the status of your server in the column Online.

Configuring Cameras

In order to configure cameras on the NVR, navigate to the **Configuration** page and click on the **Cameras** tab, where you can view a list of already configured cameras on your NVR or configure new ones.

Here's what you will need in order to add cameras to the NVR:

- Camera IP
- Camera Username
- Camera Password
- Camera RTSP URL

To get started:

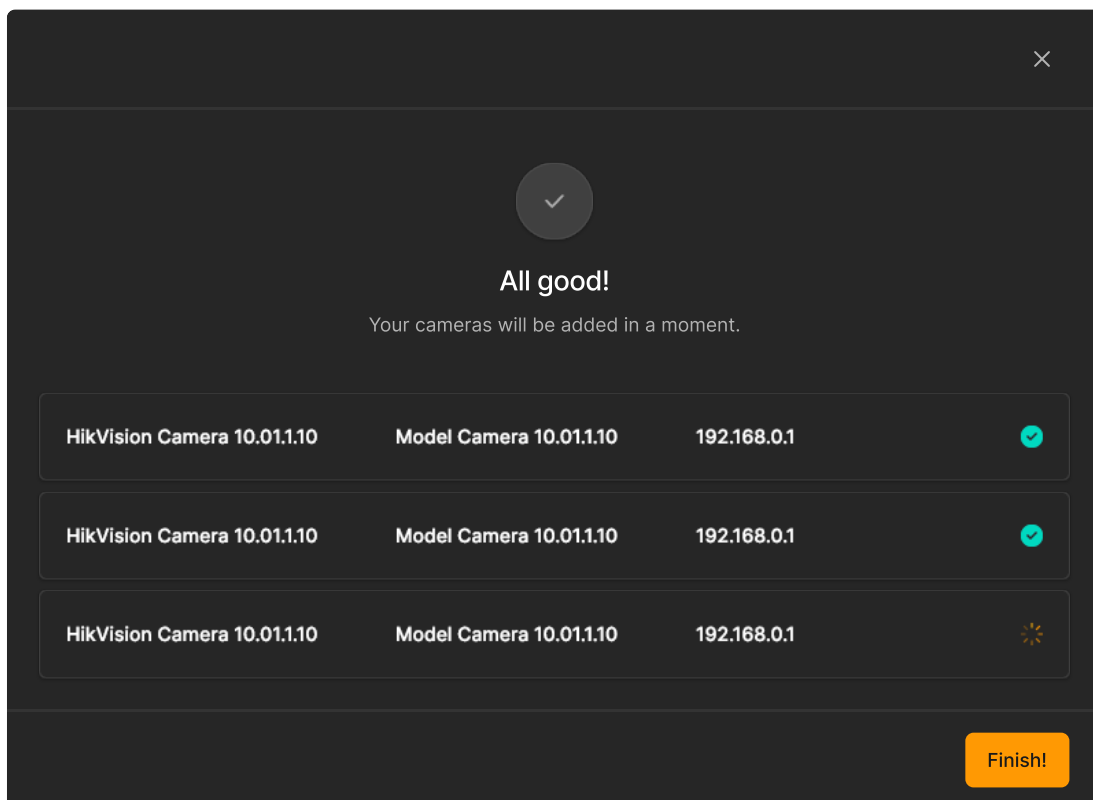
- ❶ Click on  + Add a new camera
- ❷ Select the server you are adding the camera(s) to and click 
- ❸ From here you either have the option to scan for cameras or manually enter the camera info

Scan Local Network

- 1 Click on **Scan local network**
- 2 Select all the cameras that share the same username and password and hit **Continue**
- 3 Enter the username and password of the cameras and hit **Finish**. If all the information provided was correct, the NVR should show you a **Success** message and will immediately begin recording these cameras.

Manual Entry

- 1 If the NVR is not able to auto-detect your camera or discover its RTSP URL, you will have to enter this information manually. Click on **Manual entry**
- 2 This will open up a form for you to add your cameras. Add all the cameras that share the same username and password on this screen. Click on **+ Add Camera** to add additional cameras together. Finally click on **Add** to finish adding cameras
- 3 Click the checkbox to select all the cameras you just added and hit
- 4 Enter the username and password for these cameras and hit **Finish**. If all the information provided was correct, the NVR should show you a **Success** message and will immediately begin recording these cameras.





Follow our video tutorials:



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operations@livereachmedia.com

Visit our website

www.livereach.ai