

How to select your NVR

Network Video Recorders (NVRs) are replacing DVRs in the surveillance sector. Learn more about NVRs, their benefits for your surveillance network, and the differences between standalone NVRs and standard NVRs.

What is an NVR?

NVRs are network video recorders. NVR surveillance systems allow you to easily manage your surveillance network within a single interface. It provides you with centralized video controls to easily view, manage, and store your surveillance footage in one convenient location.

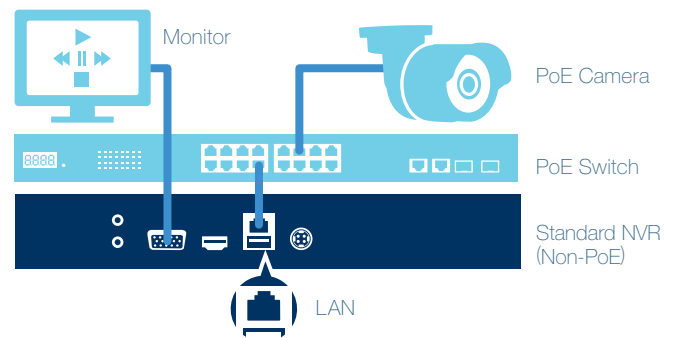
From small homes to larger businesses, NVRs are available in different types and sizes to fit unique applications and custom installs. The feature set of each NVR differs by model and brand, but most NVRs have similar basic features such as easy setup, recording video to a NAS or hard drive (HDD), and event triggered email alerts.

In addition to these basic features, TRENDnet's NVRs also feature user account access controls, multiple viewing modes, PTZ support, audio support, a simple web GUI interface, and mobile apps to easily view live video offsite.



NVR vs DVR

The main difference between NVRs and DVRs are the video transmission methods. DVRs use analog video feeds which are then compressed digitally. NVRs, on the other hand, use digital images which are pre-compressed by an IP camera. This will cause the DVR to have a higher CPU strain, since NVRs share the processing work with IP cameras.

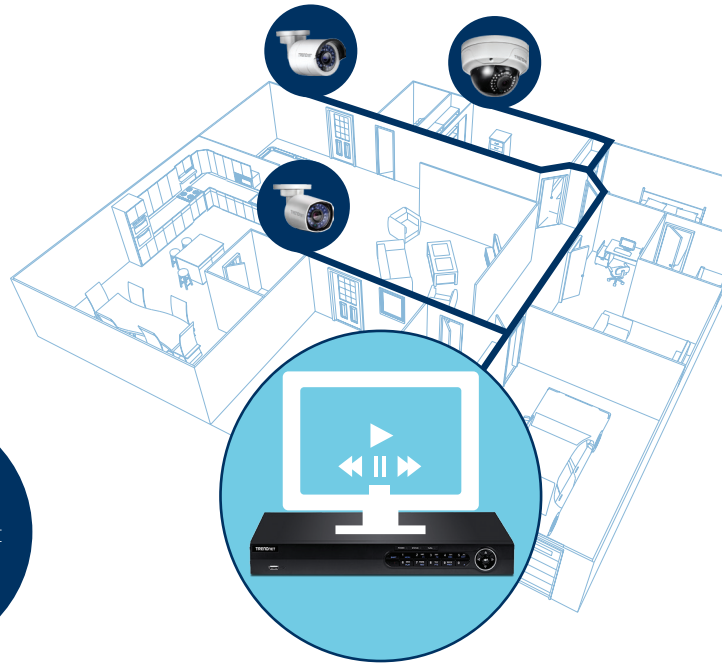


NVR Benefits

- Camera location installation flexibility
- Simplified camera installations using your existing network
- Reduce power consumption and save on energy costs—
No need for a dedicated, high-power computer
- No need for high-priced camera management software
- Manage video recordings from multiple cameras in one convenient location
- Easily scalable to expand and grow with your changing needs
- Most businesses and newer homes have preexisting wired Ethernet infrastructure

Did you know?

DVRs use BNC cabling which must be wired from the DVR directly to the camera.



Selection Criteria

There are two important components to consider when selecting your NVR. The first is the number of channels you'll need; the number of cameras needed will determine how many channels you'll need. The second component to consider is to decide if you'll need a standalone NVR or a standard NVR. Each have their own benefits.



Standalone PoE NVR

- Ideal for homes and small businesses
- Simple plug and play design
- No network required
- No need for additional PoE switch
- Auto-recognizes and powers TRENDnet PoE cameras

Standalone NVRs are ideal for users with minimal network administration experience and are generally used in homes and small businesses. Standalone PoE NVRs are equipped with a PoE switch, delivering both data and power over a single Ethernet cable. You won't need a preexisting network; everything is essentially plug and play. Standalone NVRs also create a private camera network, keeping surveillance footage isolated from the main network and adding an extra layer of privacy.



Standard NVR

- Ideal for larger businesses
- Cost-effective
- Easily integrates into your existing network

Standard NVRs are ideal for medium and larger-sized businesses, or if you're looking to integrate a new NVR into your existing computer network. Some network administration experience is required, but because it lacks an internal PoE switch, standard NVRs are more economical. There are PoE switches available on the market specifically designed for use with NVRs, such as TRENDnet's NVR series switches.