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<b>Category</b>	<b>System</b>		
<b>Product</b>	<b>All products</b>		
<b>Title</b>	<b>What is the difference between Traditional DVR (Digital Video Recorder) and IP-based NVR (Network Video Recorder)?</b>		

## **What is the difference between Traditional DVR (Digital Video Recorder) and IP-based NVR (Network Video Recorder)?**

The Traditional DVR use dedicated point-to-point analog cabling to bring the analog signal from the camera location to it.

IP-based NVR uses the IP network technology as the backbone for transporting information. The digitized video, audio streams of the IP-Camera can be transmitted by connecting its LAN port to the IP network. So the NVR can be placed at any place for video recording from anywhere within network access.

The analog video from camera is a one-directional signal carrier that ends at the Traditional DVR station.

IP-based NVR is multi-directional (allowing information to be sent and received). For instance, an IP-based NVR can send instructions to IP-Camera as well as receive video, audio and other data (alarm, etc.) from IP-Camera.

An NVR records the images from different IP Camera and sends recorded images to Command Station when the CMS is doing the playback. The NVR can still do its recording job even the CMS (Central Command Software) in the Command Station is down.

**There are several advantages to adopt IP-based NVR:**

### **1. High image quality**

The further the analog video signals travel, the weaker they become. A lot of noise might be coupled into the analog video signals. In an IP-based Surveillance system, images from an IP-Camera are digitized once at the front end and they stay digital with no image degradation due to distance traveled.

## 2. Remote Accessibility

The NVR can be placed anywhere and you can access it from the network anywhere.

## 3. Cost-effective

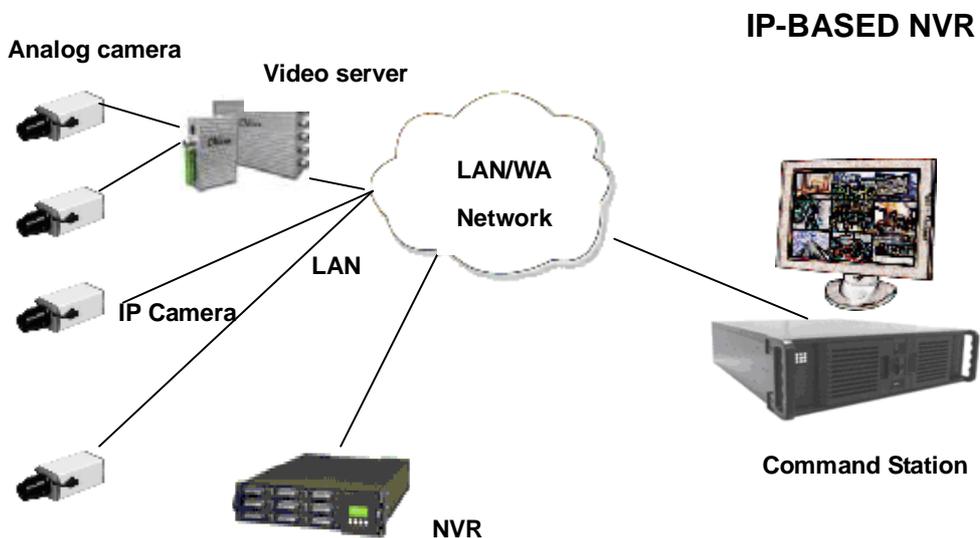
IP-based networks such as LANs and the Internet are much less expensive alternatives than traditional coaxial and fiber needed for an analog CCTV system. Furthermore, Power over Ethernet (PoE) technology, which cannot be applied in an analog video system, can be used in a network video system to increase savings and reliability.

## 4. Storage is much more flexible

IP-based storage NVR can be placed at any place as long as it is connected to the network. Also, you can have multiple NVRs in the network to do redundant recording.

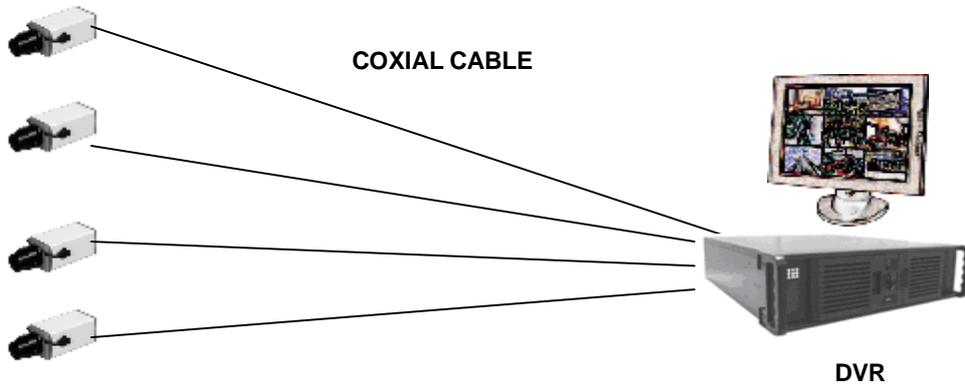
## 5. Scalability

IP-based network scales from a single camera to thousands of cameras by just increasing the cameras, memory and processing power of the back-end servers.



**ANALOG CAMERA**

**Traditional DVR**



For IP-based products from Telexper, please check

<http://www.telexper.com/telexper-en/products/products-ipcctv.htm>