Video Surveillance System Installation

Introduction:

Setting up a video surveillance system can enhance the security of your home or business. In this tutorial, we'll guide you through the process of installing a basic video surveillance system using IP cameras and a Network Video Recorder (NVR).

Requirements:

> IP Cameras
> Network Video Recorder (NVR)
> Ethernet Cables
> Power Supplies for Cameras
> Monitor or TV
> Router with available Ethernet ports
> Computer or Smartphone for configuration
> (Annexe 1 to see the pictures)

Steps:

1. Planning:

- Decide on the number of cameras needed and their strategic placement.
- Ensure the cameras cover key areas like entrances, exits, and critical spaces.

2. Camera Installation:

- Mount the cameras in the selected locations using the provided brackets.
- Connect the cameras to the power supply using the provided power adapters.
- Use Ethernet cables to connect the cameras to the NVR or your router.

3. NVR Setup:

- Connect the NVR to your router using an Ethernet cable.
- Power on the NVR and connect it to a monitor or TV using an HDMI or VGA cable.
- Access the NVR's interface using a computer or the monitor.
- Follow the on-screen instructions to set up the NVR, including creating a password.

4. Camera Configuration

- In the NVR interface, navigate to the camera settings.
- Assign each camera a unique name and adjust settings like resolution and frame rate.
- Set up motion detection if your cameras support this feature.

5. Network Configuration:

- Ensure your NVR and cameras are on the same network.
- Assign static IP addresses to the cameras to avoid IP conflicts.
- Configure port forwarding on your router to access the system remotely.

6. Remote Access:

- Set up a DDNS (Dynamic Domain Name System) if your home network has a dynamic IP address.
- Configure remote viewing on your NVR or router for access via a computer or smartphone.

7. Testing:

- Test the system by monitoring the live feed on the NVR or a connected device.
- Adjust camera angles and settings if necessary.

8. Maintenance:

- Regularly check the system for firmware updates for both the cameras and the NVR.
- Ensure all components are functioning correctly.

Congratulations! You've successfully set up a basic video surveillance system. Remember to consult the user manuals for your specific devices for detailed instructions.

ANNEXE 1