

The background of the entire image is a blurred, high-angle view of a city at night. The city lights are out of focus, and there are prominent light trails from vehicles on a highway or bridge in the lower half of the image, creating a sense of motion and connectivity.

uniview

Better Security, Better World.

NETWORKING TUTORIALS



USE EXTENDED TRANSMISSION

LONG DISTANCE POE/DATA TRANSMISSION

One problem that a lot of installers run into with IP jobs is Cat5E cable length limitations. With the cable limitations this requires that some job sites have extra equipment installed such as another switch or extender. Installing extra devices not only creates more fail points on the job site but it can drastically increase the price of the job. Uniview offers an incredible solution to this problem! Using Uniview built in PoE recorders cameras can now be ran up to 300M (900 FT) over Cat5E plenum!

ENABLING LONG DISTANCE MODE

Enabling long distance mode is very simple, log into the main menu of the recorder and navigate to the camera menu. In the camera menu each channel that has a PoE port built in to the recorder will already have a channel spot reserved for them with an IP address. Double click on one of the reserved channels to display the channels Modify menu. The last option in the Modify menu will be a check box to enable Extended Transmission mode. Check this box on and then click the Modify button at the bottom.

USING A UNIVIEW SWITCH

There is a small extended mode switch in the bottom corner of each uniview switch, this switch comes off by default. Enabling this switch can give the same performance as a built in PoE switch when it comes to long distance transmission. Installers will need to use Cat5e Plenum cable though. Each Uniview PoE switch also comes with at least one gigabit uplink port and one fiber port.

ENABLING THE EXTENDED MODE SWITCH

1. Power on the switch without plugging anything into it.
2. Turn the extended mode switch to the "on" position.
3. Unplug the switch / Turn off the switch for 30 seconds.
4. Power the switch back on.

The switch will be in extended mode when the switch comes back on. Once in Extended mode the PoE ports will all act individually without the ability to see the other PoE ports. Make sure that the NVR is plugged into the gigabit uplink port otherwise it will not be able to see the cameras. If daisy chaining switches together the gigabit or fiber ports will need to be used to link each switch and then connected to the main network using the first switches second uplink (8 port switches cannot daisy chain without an extra dummy non PoE switch to link everything.)

If daisy chaining switches together each switch will need to be link together by each switches uplink ports. The NVR would then be plugged into the first switch in the chains second uplink port. And the internet would need to be plugged into the last switch in the chains second uplink port.

CAMERA LIMITATIONS

Fixed lens cameras: 900 Feet – Motorized Lens/Base Cameras: 600 Feet – PTZ: 330 Feet.