

There are two kinds of setups with PTZ cameras, Wired and Wireless.

Wired Setup

1. Connect the camera to your school network or internet router via an ethernet cable
2. Connect the camera to a power supply if needed.
3. Connect the PTZ Joystick to your School Network or your internet router
4. Connect the PTZ Joystick to a Power Supply if needed
5. Connect your computer to your school network or internet router via an ethernet cable
6. Optional: Connect your router to the main internet line in your location
7. Optional: Turn your Router on
 - a. Wait for the second most left light on the router to start blinking white.
 - i. If it is not on then you do not have internet access
 - ii. If it is orange then something in the router is not configured correctly it is usually a firewall or the router could not get an IP from the main network.
8. Turn your Camera on.
 - a. If you are connected to the school internet then this can be turned on right after you set it up.
9. Turn your PTZ Joystick on.
 - a. If you are connected to the school internet then this can be turned on right after you set it up.
10. Turn your computer on
 - a. This should always be turned on last.
11. Open up Wirecast
12. Go down to layer 5
13. Click the Plus in a Circle and go to Network
14. You should see the camera come up as NDI HX (Insert IP Address Here)
 - a. If you do not see the camera then please check the application called Upgrade Tools 2.8.
 - b. In this application you should be able to look at the camera's IP Address
 - c. Refer to the training sheet called PTZ Tools and How to Set Up each Tool if you do not remember where this tool is or how to use it.
15. Add in the camera
16. Move the PTZ camera via the Joystick and make sure it is responsive and there is no lag.
 - a. If you need to know how to connect a PTZ camera to the PTZ joystick then please open up the training sheet PTZ Tools and How to Set Up each Tool.
17. Once this is done you should be good to go.

Wireless PTZ Setup

1. Set up all of your normal equipment first. Please leave the computer turned off until we have everything ready.
2. Set up your internet router and connect it to power
 - a. Do not turn it on yet
3. Plug in your internet from the wall into your internet router
4. Plug in your computer to the internet router
5. Plug in your PTZ Joystick into the internet router and into power
 - a. Do not turn it on yet
6. Plug in your PTZ Optics Access point into the internet router
 - a. Do not turn it on yet
7. Mount your PTZ camera and Access Points onto your Mounting bars then mount them onto the tripods
8. Plug in both your Access Points and your Camera to Power
9. Take an ethernet cable and connect the Camera to the Access Point
10. Turn on your access point and wait for the Link Light to start blinking blue
11. Once the Link Light is blinking blue turn the camera on
12. Repeat Steps 8-11 for the rest of your cameras you are setting up
13. Go back to the main booth
14. Turn on your Internet Router
15. Wait for the Router to turn on and wait for the second most left light on the router to start blinking white
 - a. If it is not on then you do not have internet access
 - b. If it is orange then something in the router is not configured correctly it is usually a firewall or the router could not get an IP from the main network.
16. Once your router is on and the second most left light is blinking turn on your Access Point and wait until the link light is solid
17. Turn on your PTZ Joystick
18. Turn on your Computer
19. Open up Wirecast
20. Go down to layer 5
21. Click the Plus in a Circle and go to Network
22. You should see the camera come up as NDI HX (Insert IP Address Here)
 - a. If you do not see the camera then please check the application called Upgrade Tools 2.8.
 - b. In this application you should be able to look at the camera's IP Address
 - c. Refer to the training sheet called PTZ Tools and How to Set Up each Tool if you do not remember where this tool is or how to use it.
23. Add in the camera
24. Move the PTZ camera via the Joystick and make sure it is responsive and there is no lag.
 - a. If you need to know how to connect a PTZ camera to the PTZ joystick then please open up the training sheet PTZ Tools and How to Set Up each Tool.

25. Once this is done you should be good to go.