Using OBS and a PTZ Camera to launch an RTSP stream

First the Camera and your PC have to be on the same SUBNET in order for it to see the Video

To check your subnet press the Windows Key and type CMD –press enter – Command Prompt Terminal will open

Type ipconfig ->
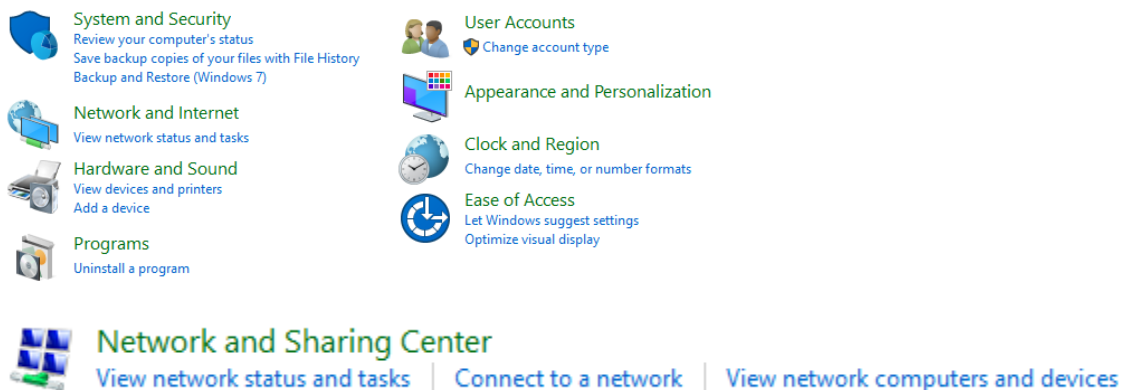
```
Windows IP Configuration

Ethernet adapter Ethernet:

   Connection-specific DNS Suffix   . : attlocal.net
   IPv6 Address. . . . . . . . . . . : 2600:1700:c5b0:1640::27
   IPv6 Address. . . . . . . . . . . : 2600:1700:c5b0:1640:3520:1137:bf16:8394
   Temporary IPv6 Address. . . . . . : 2600:1700:c5b0:1640:8c55:9c00:cb8a:99dd
   Link-local IPv6 Address . . . . . : fe80::3520:1137:bf16:8394%10
   IPv4 Address. . . . . . . . . . . : 192.168.1.211
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::768a:dff:fe87:b3e0%10
                                       192.168.1.254
```

You can see under IPv4 that the address of my pc is 192.168.1.211

Standard Gateway for the MaximusProX we are showing is 192.168.1.162

They are both on the same subnet of .1.xxx so OBS will be able to use the video from the camera

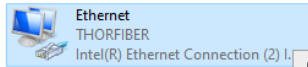A second way to check is go to Control Panel -> Network and Internet

System and Security
Review your computer's status
Save backup copies of your files with File History
Backup and Restore (Windows 7)

Network and Internet
View network status and tasks

Hardware and Sound
View devices and printers
Add a device

Programs
Uninstall a program

User Accounts
Change account type

Appearance and Personalization

Clock and Region
Change date, time, or number formats

Ease of Access
Let Windows suggest settings
Optimize visual display

Network and Sharing Center
View network status and tasks | Connect to a network | View network computers and devices

Click View Network Status and Tasks

Control Panel Home

Change adapter settings

Change advanced sharing settings

Media streaming options

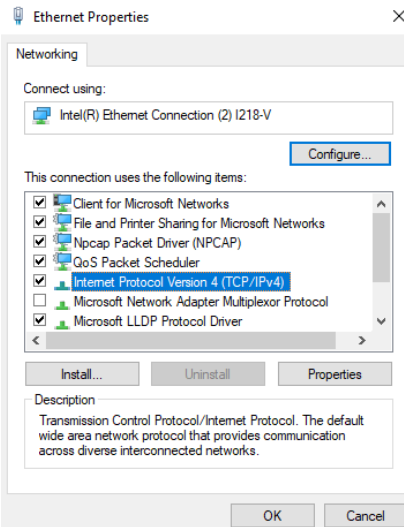**Click Change Adapter Settings**

Ethernet
THORFIBER
Intel(R) Ethernet Connection (2) I...

Right Click Your Ethernet Adapter

Disable
Status
Diagnose

Bridge Connections

Create Shortcut
Delete
Rename

Properties

Click Properties

Ethernet Properties   ×

Networking

Connect using:

Intel(R) Ethernet Connection (2) I218-V

Configure...

This connection uses the following items:

☑ Client for Microsoft Networks
☑ File and Printer Sharing for Microsoft Networks
☑ Npcap Packet Driver (NPCAP)
☑ QoS Packet Scheduler
☑ Internet Protocol Version 4 (TCP/IPv4)
☐ Microsoft Network Adapter Multiplexor Protocol
☑ Microsoft LLDP Protocol Driver

Install...   Uninstall   Properties

Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

OK   Cancel
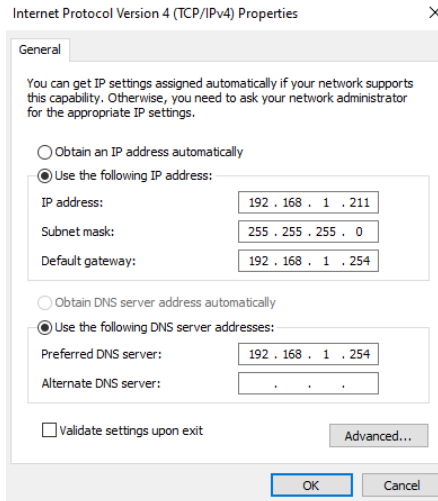
Double click Internet Protocol Version 4 (TCP/IPv4)

Or highlight that box, then click Properties at the bottom

Internet Protocol Version 4 (TCP/IPv4) Properties   ×

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically
⦿ Use the following IP address:
IP address: 192 . 168 . 1 . 211
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 168 . 1 . 254

○ Obtain DNS server address automatically
⦿ Use the following DNS server addresses:
Preferred DNS server: 192 . 168 . 1 . 254
Alternate DNS server: .   .   .

☐ Validate settings upon exit   Advanced...
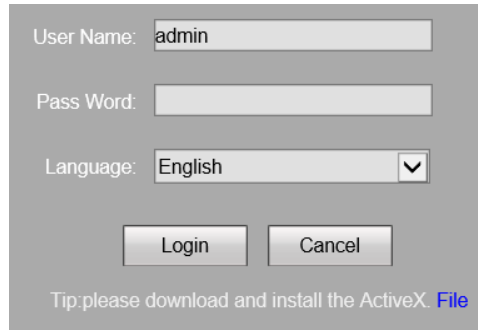
OK   Cancel

Here we see again its 192.168.1.211

Change the subnet here, or

Click advanced and add a second subnet

Once that is resolved lets go to the camera page of 192.168.1.162

When you get to the login page the bottom message asks you to download the ACTIVE X file

User Name: admin

Pass Word:

Language: English

Login   Cancel

Tip:please download and install the ActiveX. File

On the bottom right of the screen you should see a POP UP that asks you to ALLOW IT

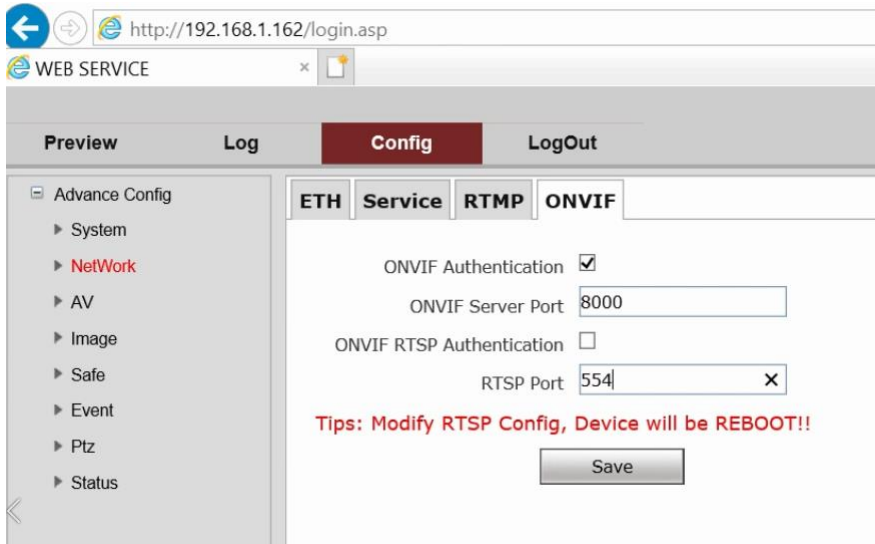You have to make sure it is ALLOWED

Do you want to run or save **H265Active.exe** (2.10 MB) from **192.168.1.162**?   Run   Save ▼   Cancel   ×

Press RUN

Once that is installed you are ready to go LIVE with your Camera

So once you have your Maximus Camera GUI Open you have to specify which port you will be using for the RTSP stream.

http://192.168.1.162/login.asp

WEB SERVICE   ×

Preview   Log   Config   LogOut

Advance Config

⊟ Advance Config

▶ System

▶ NetWork

▶ AV

▶ Image

▶ Safe

▶ Event

▶ Ptz

▶ Status

ETH Service RTMP ONVIF

ONVIF Authentication ☑

ONVIF Server Port 8000

ONVIF RTSP Authentication ☐

RTSP Port 554   ×

Tips: Modify RTSP Config, Device will be REBOOT!!

Save

Here we see the IP address of the camera is 192.168.1.162
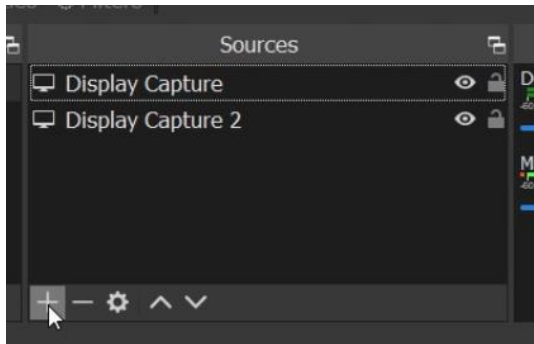
Go To CONFIG > NETWORK

Under ONVIF we see the Port

RTSP Port is 554

If you don't have OBS yet; click here to go to the download page https://obsproject.com/

Click which is best suitable and download the free program

OBS Studio

Latest Release 🪟🍎🐧 26.0.2 - October 6th

| Windows | macOS 10.13+ | Linux |

Free and open source software for video recording and live streaming.

Download and start streaming quickly and easily on Windows, Mac or Linux.

Once you have downloaded the program, you should see a blank screen

On the bottom of the screen you will see this box labeled SOURCES

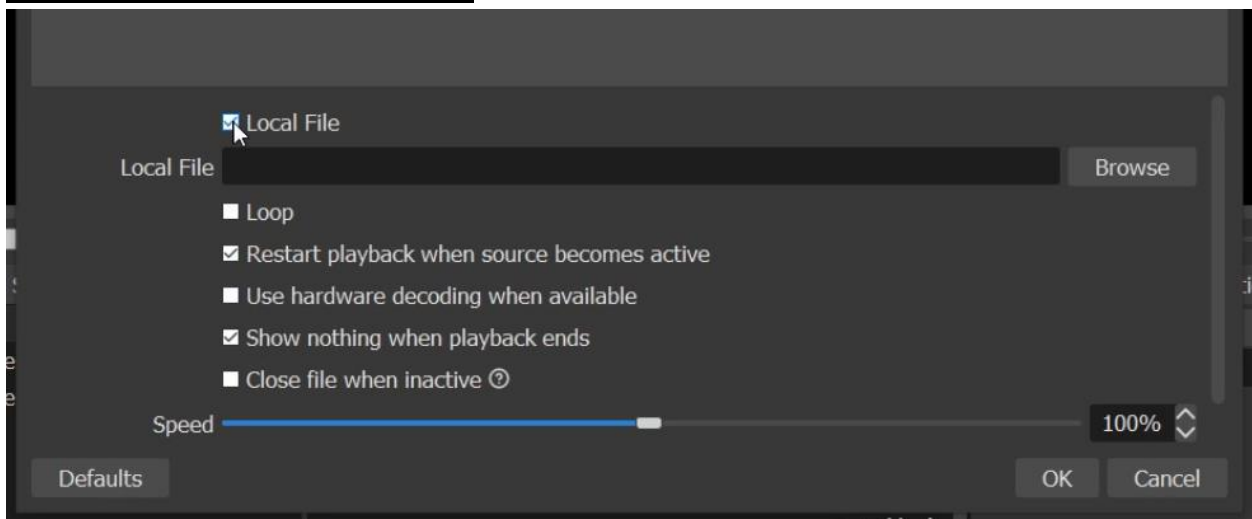Click the + button and you'll see a pop up window
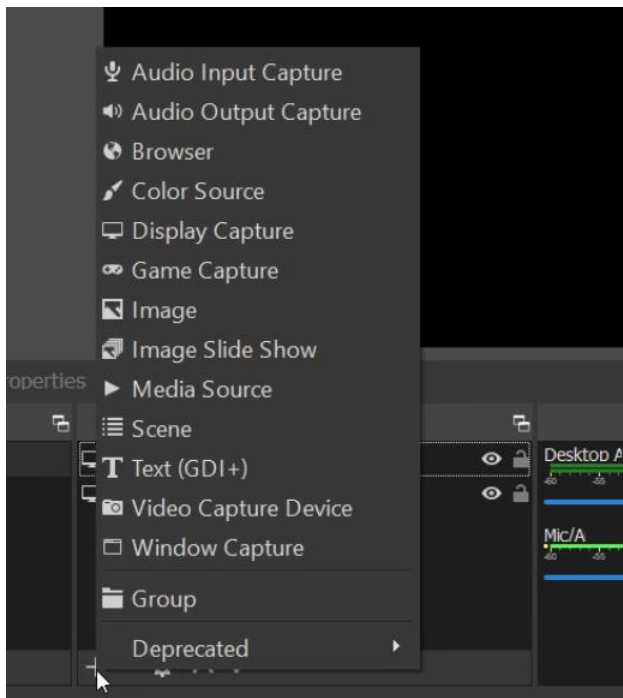
Once you have this up

← You will see a MEDIA SOURCE

Click on MEDIA SOURCE
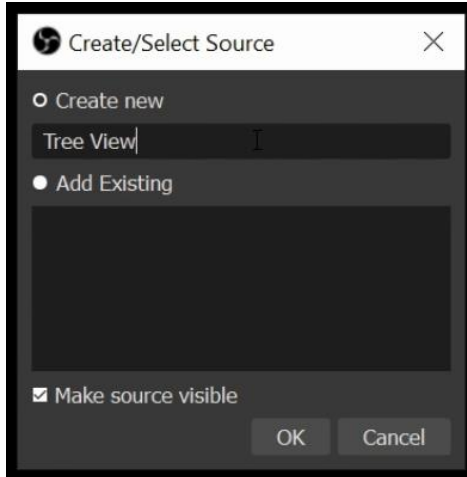
Another pop box will show like this: you can now CREATE NEW

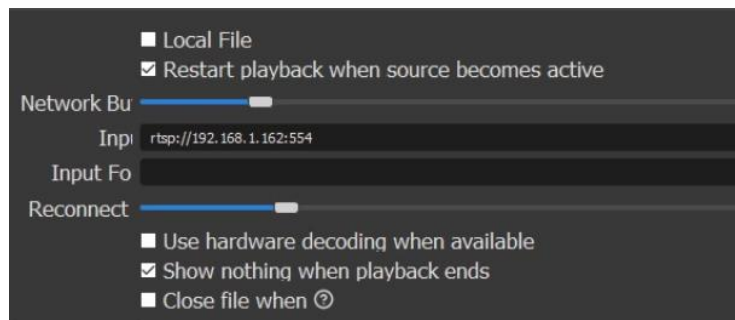In this case I left a camera outside and will name it TREE VIEW

At this point we can now enter the RTSP stream information from the Maximus PTZ camera

FIRST YOU MUST UNCLICK THE LOCAL FILE BUTTON

Next we input the information from the GUI we used to log into the camera

The correct Syntax for RTSP is >>>>>>> rtsp://192.168.1.162:554

Then press OK on the bottom right of the box

From here we can start streaming out, start recording, and make other video adjustments if necessary.

Again, OBS is free, very popular, and easy to use! Once you're here and need additional help you can always contact OBS or read about all the other stuff it can do from their website.

Our goal here is to ensure your Thor Camera can connect to the software, you can record your video, or stream it right away.

The manual to the MaximusProX is on the product webpage; scroll to the bottom, and download the PDF; there is also additional video's on how to do this on the webpage and on YouTube.

For further assistance contact Thor Support

Support@thorfiber.com

1800-521-8467 ext 2