

OBS Plugin for PTZ Cameras

User Manual



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PREFACE

Open Broadcaster Software Studio is a free software for video recording and live streaming. Download **OBS Studio** here: <https://obsproject.com/download>.

With **AVer OBS Plugin for PTZ Cameras**, operating PTZ control is instinctive and easy. Preset points and tracking control make video conferencing and streaming smooth and effortless.

MINIMUM SYSTEM REQUIREMENT

Basic Requirements:

- Windows:
 - DirectX 10.1 compatible GPU
 - Windows 8 / 8.1 / 10
 - OBS Studio version number: v26 or later.

- macOS:
 - Intel CPU (PPC is not supported)
 - OpenGL 3.3 compatible GPU
 - macOS High Sierra (10.13) or later
 - OBS Studio version number: v27 or later.

For details regarding the system requirements for **OBS Studio**, please visit:

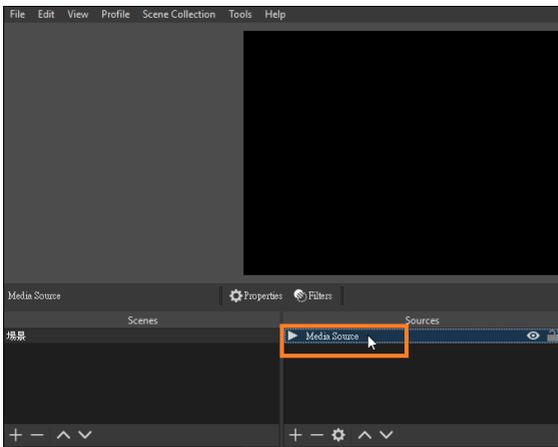
<https://obsproject.com/wiki/System-Requirements>.

PART ONE:

OPEN BROADCASTER SOFTWARE STUDIO

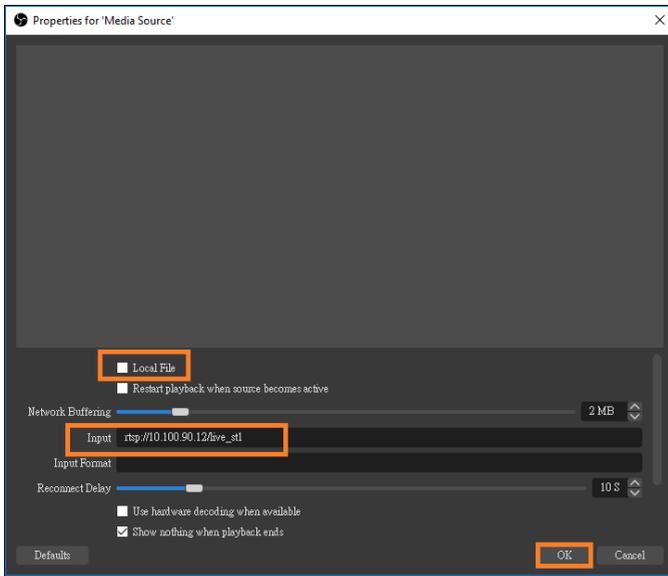
Camera Live View

1. Install **OBS Studio** on your computer.
2. Double-click on **OBS Studio** icon  to launch it.
3. To see the live view of a camera: double-click **Media Source** on the OBS user interface.



[Note]: When adding a camera, make sure its video mode is switched to **Stream Only** or **USB+Streaming**.

4. Uncheck **Local File**. In **Input** field, enter “rtsp://IP Address of the camera/live_st1.” For instance: `rtsp://10.100.90.12/live_st1`. Click **OK**.



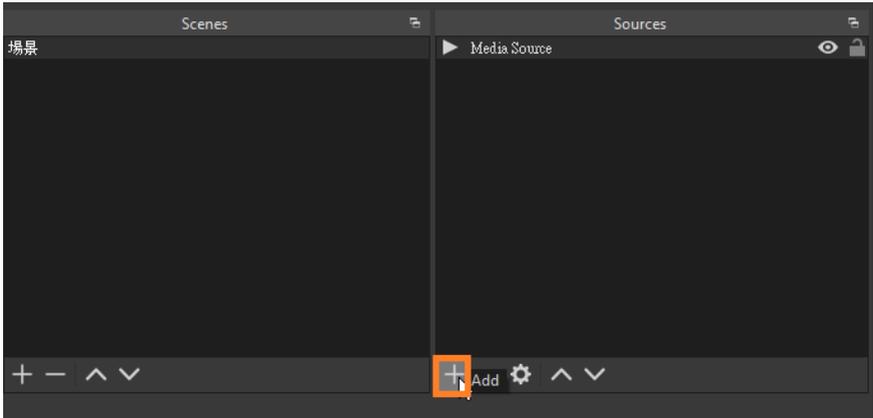
[Note]: Make sure both the PC and the camera are on the network and support RTSP.

5. You will see the live view of the camera.

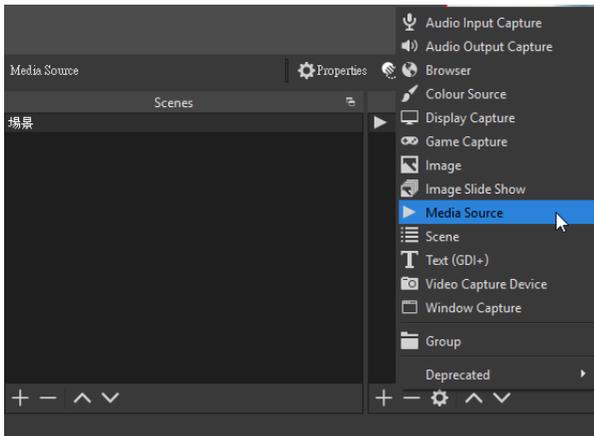


Live View of Multiple Cameras

1. You can add another camera and see the live view of multiple cameras at once. Click on the plus sign at the bottom of the OBS user interface.

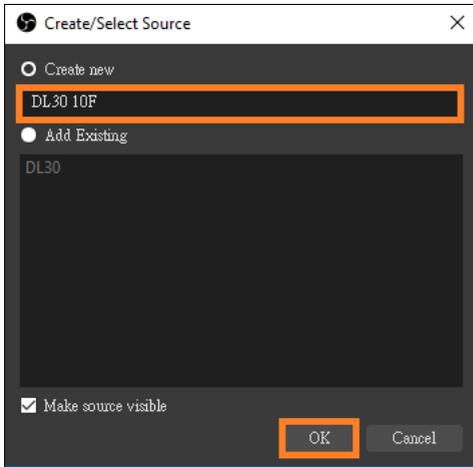


2. Select **Media Source**.

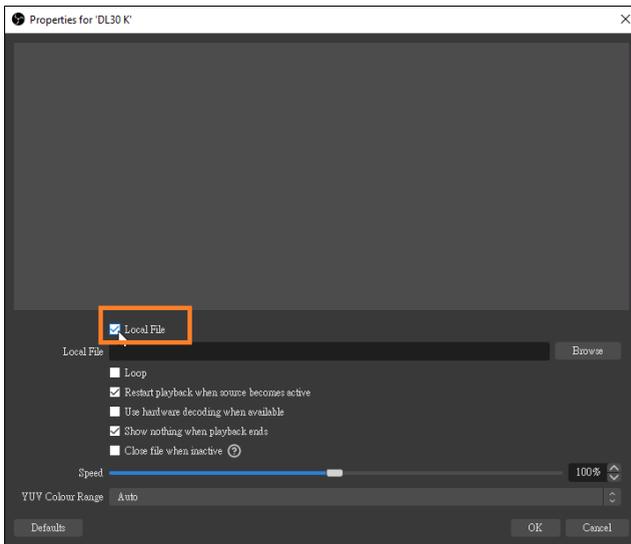


[Note]: When adding a camera, make sure its video mode is switched to **Stream Only** or **USB+Streaming**.

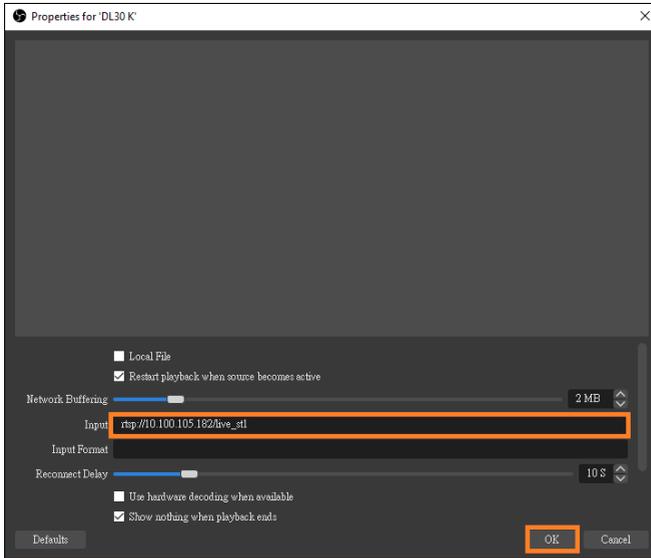
- In the **Create New** field on the pop-up window, name the camera source you are adding. Select **OK**.



- On the pop-up window, uncheck **Local File**.



5. In **Input** field, enter “**rtsp://IP Address of the camera/live_st1.**” For instance: **rtsp://10.100.105.182/live_st1.** Click **OK.**



6. You will see the live view of multiple cameras. You can resize the live view windows by dragging the red rectangles.



PART TWO:

AVER OBS PLUGIN FOR PTZ CAMERAS

Downloading OBS Plugin for PTZ Cameras

Please download the software from the following web links:

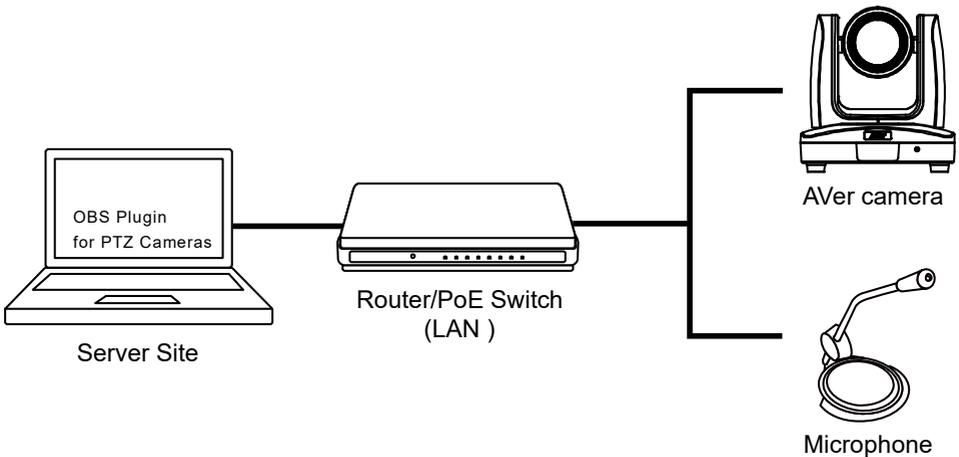
Global: <https://www.aver.com/download-center>

USA: <https://www.averusa.com/education/support/>

European Headquarters: <https://www.aver europe.com/download-center>

Connection

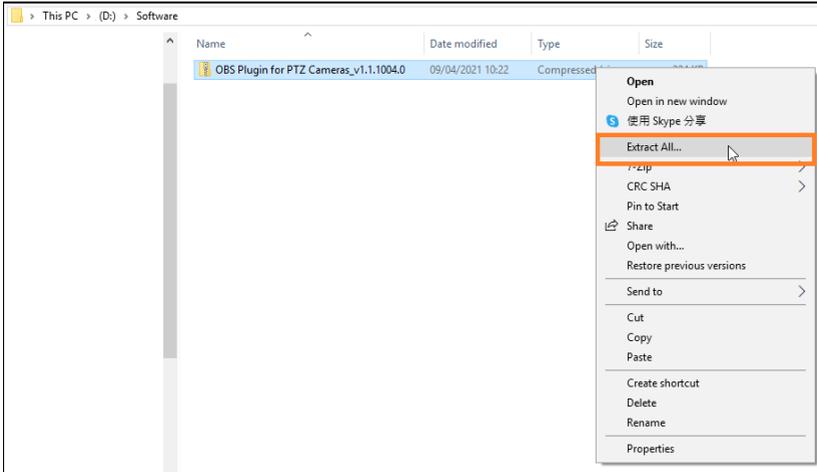
- Make sure all devices are well-connected and powered on.
- Extract and install “**OBS Plugin for PTZ Cameras**” application.
- All devices should either be on the same LAN or support both TCP 80 and RTSP 554.



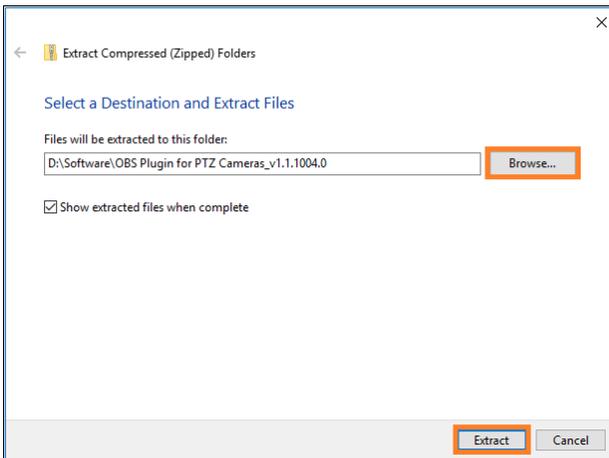
Operation

Install OBS Plugin for PTZ Cameras

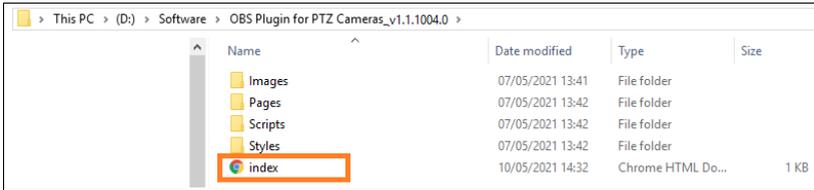
1. Right-click on the downloaded **OBS Plugin for PTZ Cameras** archive file and select **Extract All**.



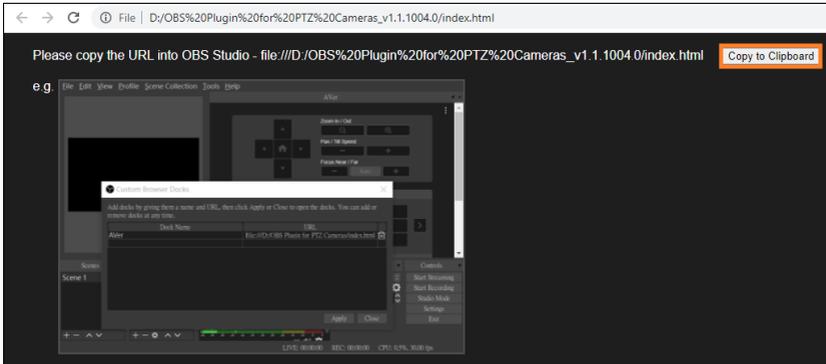
2. If necessary, click **Browse** to assign a different location for the extracted files. Click **Extract**.



3. You will see the extracted files. Double-click on **index.html**.



4. This window will pop up. Click on **Copy to Clipboard**.

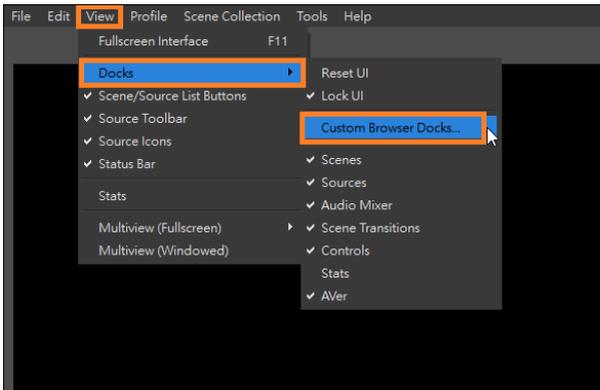


5. Select **OK**. The file URI of **index.html** is successfully copied to your clipboard. The file URI of **index.html** will be used later to enable **OBS Plugin for PTZ Cameras**.

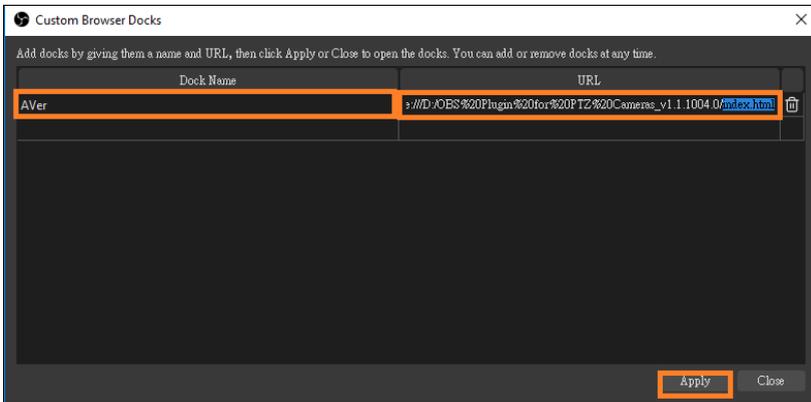


Start

1. Double-click on **OBS Studio** icon  to launch it.
2. Go to **View > Docks** and click on **Custom Browser Docks**.



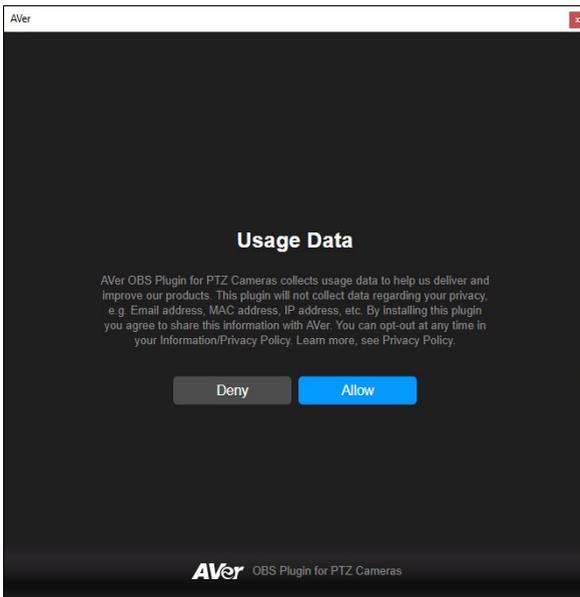
3. Name the dock. Enter the file URI scheme of **index.html** in your extracted **OBS Plugin for PTZ Cameras** folder. Click **Apply**.



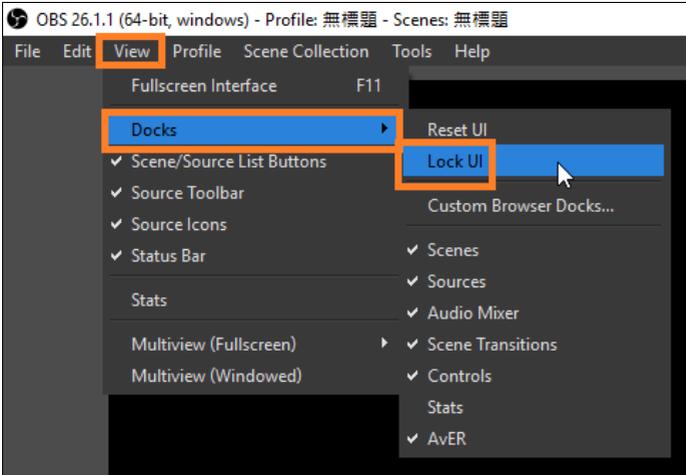
4. **OBS Plugin for PTZ Cameras** window will pop up.

To continuously improve **AVer OBS Plugin for PTZ Cameras**, we may gather your usage data. However, we will not gather personally identifiable information such as your e-mail address, MAC address, IP address, etc.

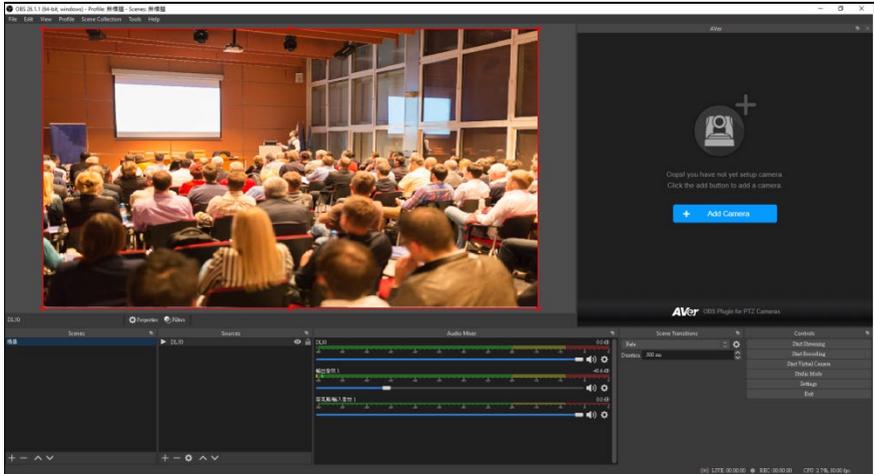
You can choose whether you agree to **Allow** our service to gather your information when you install the software. If you disagree, select **Deny**. Moreover, under [Information](#) > **Privacy Policy** > **Usage Data**, you can select **Disable** whenever you would like to.



5. You can merge the pop-up window onto the OBS user interface. Go to **View > Docks**. Make sure **Lock UI** is unchecked.

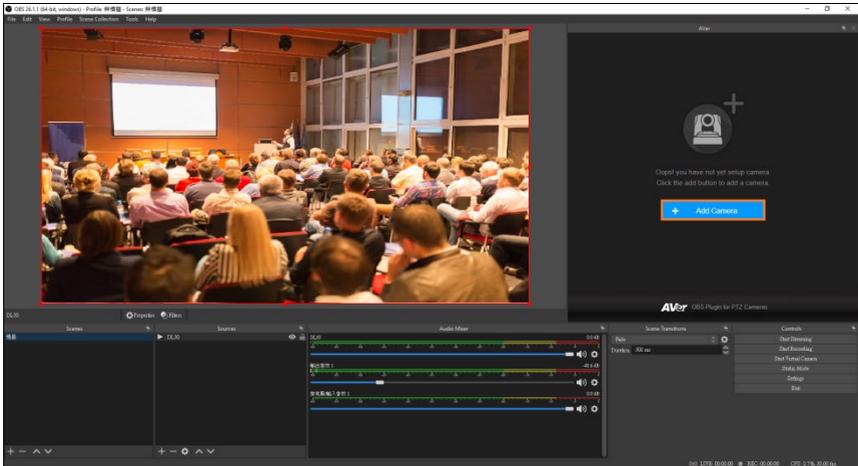


6. Drag the pop-up window onto the OBS user interface and adjust its size and location to suit your needs.

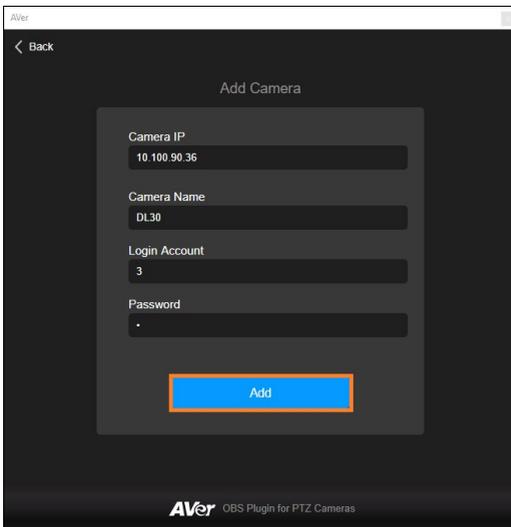


Add a Camera

1. Click **Add Camera**.

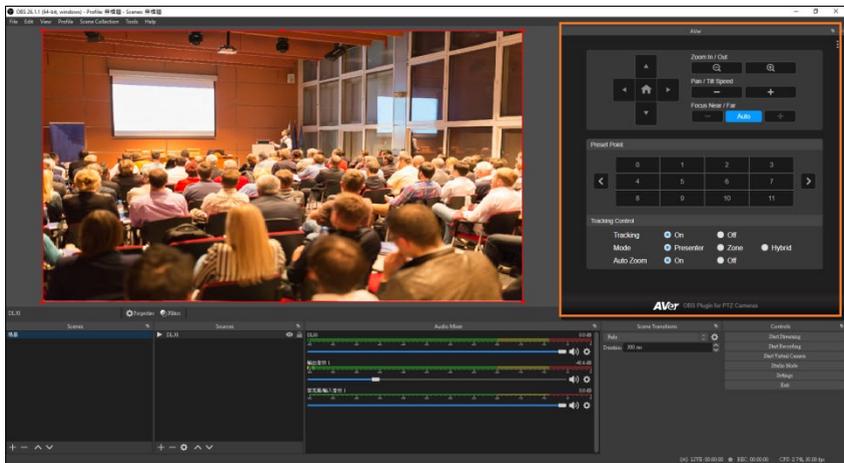


2. Type in **Camera IP** address, **Camera Name**, **Login Account** and **Password** of the camera. Click **Add**.

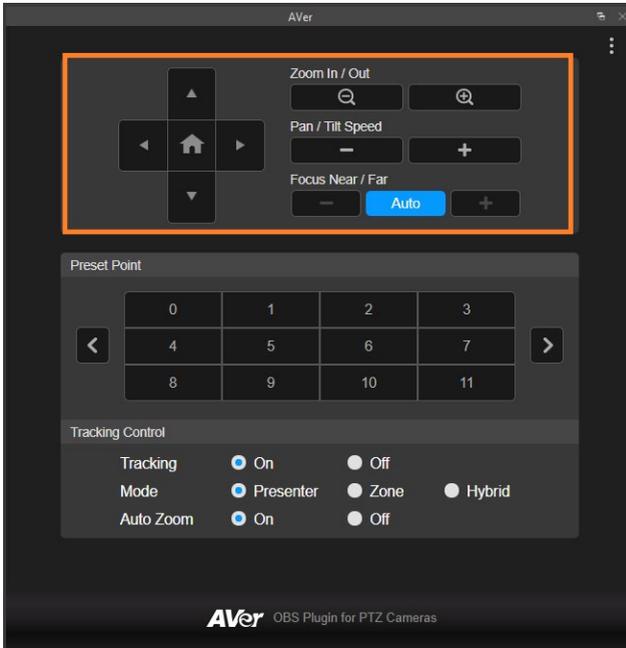


[Note]: The camera you are adding to **OBS Plugin for PTZ Cameras** does not need to be the same camera whose RTSP address you entered under **Media Source** to see its live view. **OBS Studio** camera live view and **OBS Plugin for PTZ Cameras** are two separate functions.

3. OBS Plugin for PTZ Cameras will be ready for use.



Camera Control



PTZ and Focus

PTZ

To pan and tilt the camera, use , , , and  to adjust the camera angle. Use  and  to zoom in/out. Select  to go back to the default position.

Pan / Tilt Speed

You can manually adjust the pan and tilt speed of the camera by clicking  and .

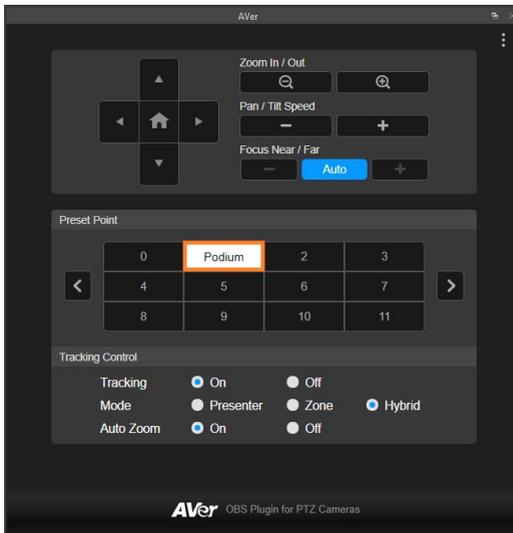
Focus Near/Far

Auto: autofocus captures the presenter promptly and automatically.

Manual Focus: to switch from the autofocus to the manual focus, click  once. The grayed-out icon, , indicates that the manual focus is on. Then, click  or  to focus on near or far object/area.

Preset Point

1. You can click on a number to load a preset point which was configured on the Web user interface beforehand.
2. You can double-click on a preset point number to rename it.



Tracking Control

- **Tracking Off:** select **Off** to disable **Tracking**.
- **Tracking On:** select **On** to enable **Tracking**. Then, choose a mode among the three below.
 - ✓ **Presenter Mode:** the camera follows the presenter everywhere.
 - ✓ **Zone Mode:** the camera follows the presenter only when he/she moves from one preset point zone into another. Otherwise, it focuses on the content of, for instance, the whiteboard, the projector screen, etc.

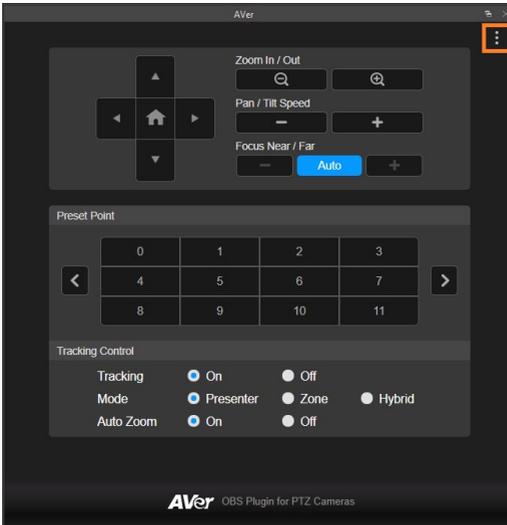
- ✓ **Hybrid Mode:** after selecting **Hybrid Mode**, you can benefit from the advantages of both the **Presenter Mode** and **Zone Mode**. Under **Hybrid Mode**, the camera tracks and captures the presenter's movement. As the presenter enters the previously configured preset point zone, the camera steers to focus on the content of the zone, such as the whiteboard and the projector screen.
 - **Auto Zoom** is available under **Presenter Mode** and **Hybrid Mode**. When **Auto Zoom** is **On**, the camera can zoom in and out automatically to keep up with the presenter's walking back and forth and body language. When **Auto Zoom** is **Off**, the camera stops zooming in/out automatically and shoots the presenter according to the shot size of Preset 1 so that the camera footage remains stable.

[Note 1]: Refer to a camera's user manual to check if it supports **Tracking Control**.

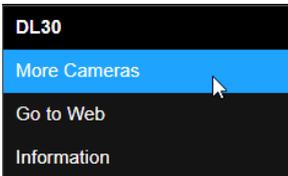
[Note 2]: Access the camera Web user interface to configure **Tracking Control**.

Check/Delete/Edit/Add a Camera

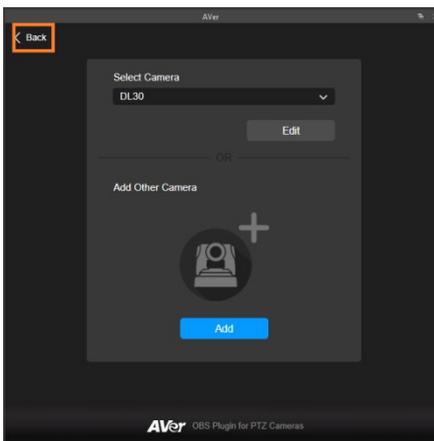
1. At the top right corner of **OBS Plugin for PTZ Cameras**, click on .



2. Select **More Cameras**.

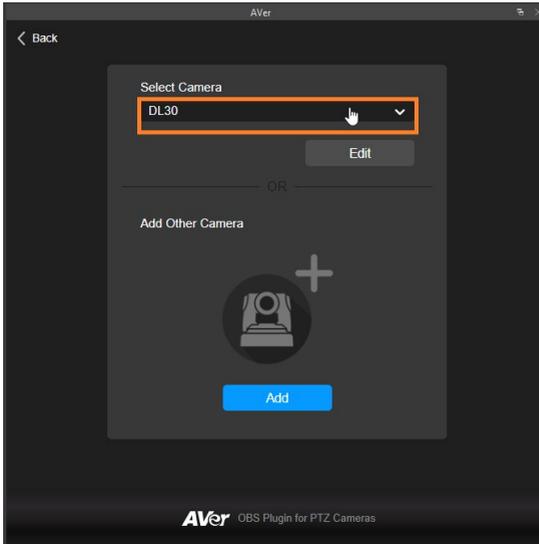


3. You can check, delete, edit, and add a camera. To return to the previous page, click **Back**.

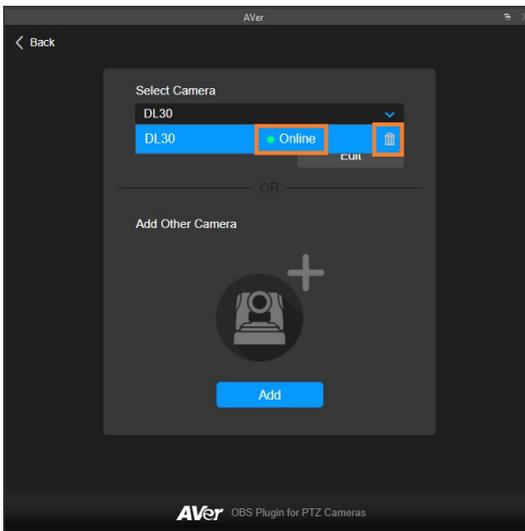


Check Camera Network Connection Status/Delete a Camera

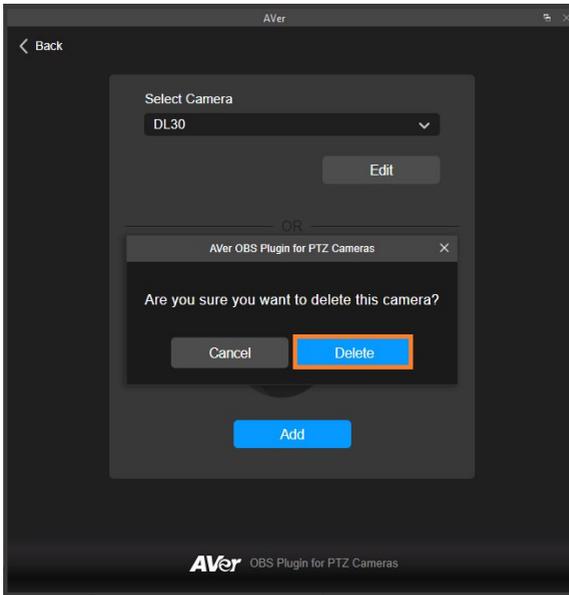
1. You can click on the camera selection drop-down menu to see the camera network connection status or to delete it.



2. Green light indicates that the camera is online whereas grayed-out offline.
3. You can click on the garbage can icon to delete the camera.

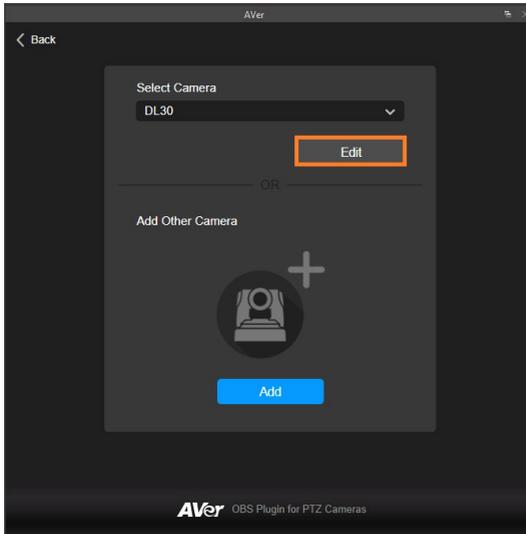


4. Select **Delete** to remove the camera.

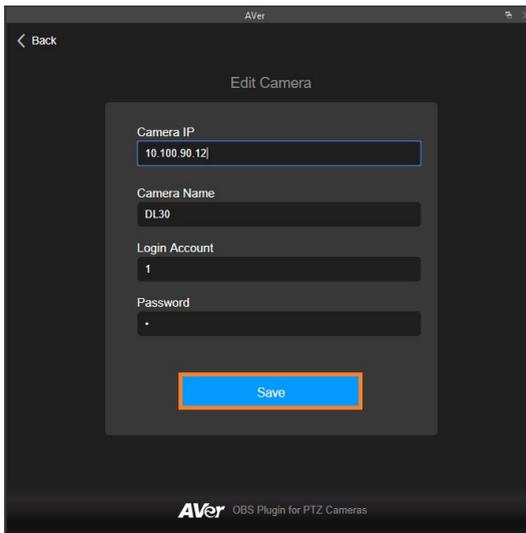


Edit Camera

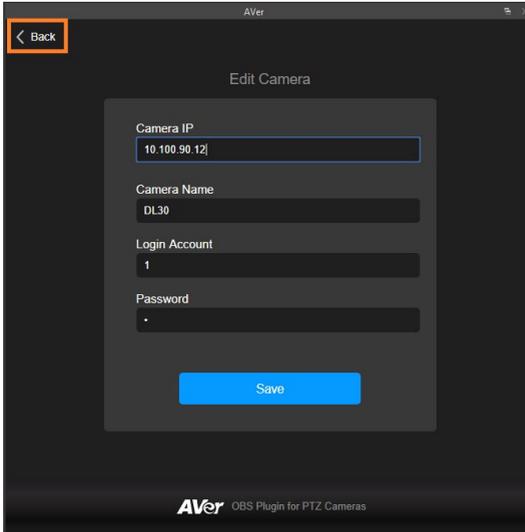
1. Click **Edit** to alter camera information.



2. Click on the fields you would like to change. Alter the camera information. Click **Save**.

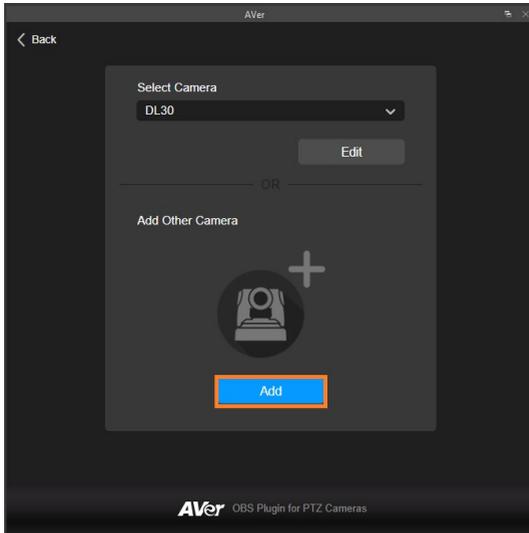


3. Click **Back** to return to the previous page.

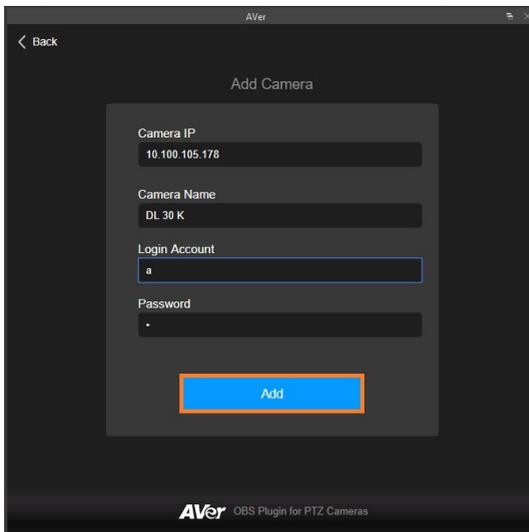


Add a Camera

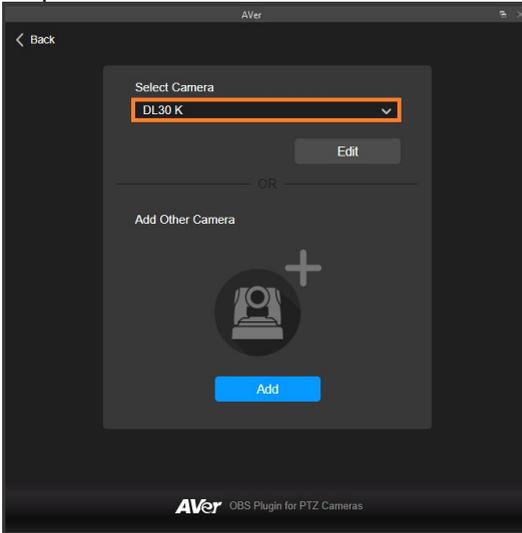
1. Click **Add**.



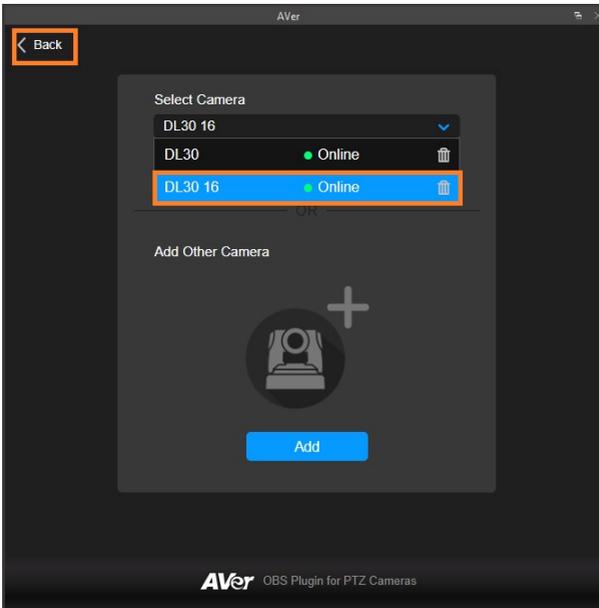
2. Key in the information of the camera you are adding. Click **Add**.



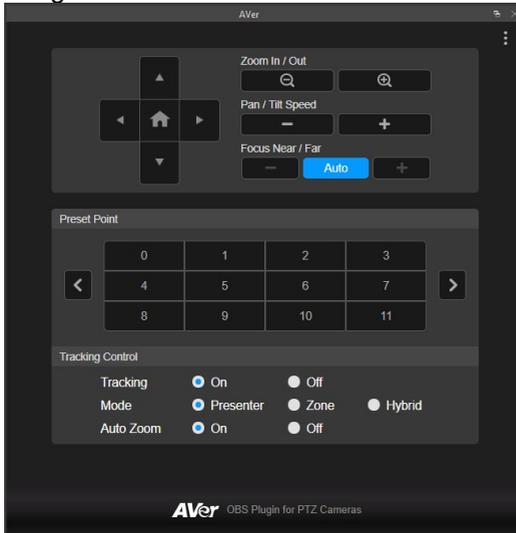
3. You can see the camera you just added. Click on the camera selection drop-down menu.



4. You can see the list of added cameras. Select only one camera at a time to use its PTZ control functions. Click **Back** to return to the PTZ control panel.

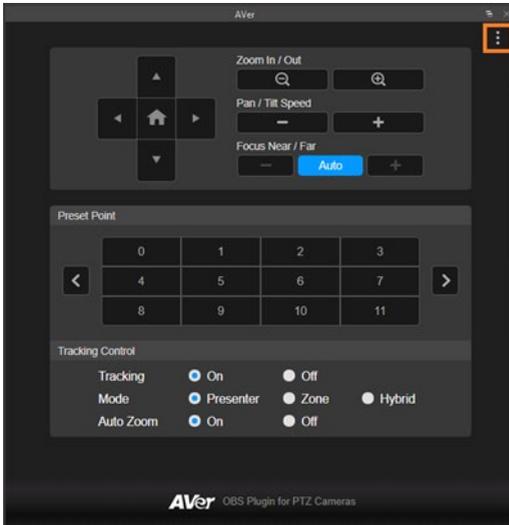


5. You can proceed to configure PTZ control functions on the camera you designated.

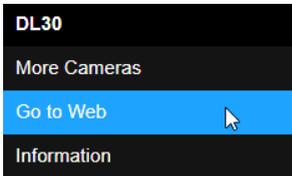


Camera Web User Interface

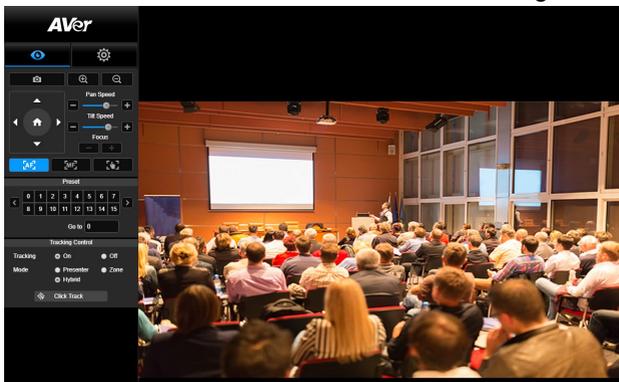
1. At the top right corner of **OBS Plugin for PTZ Cameras**, click on .



2. Select **Go to Web**.

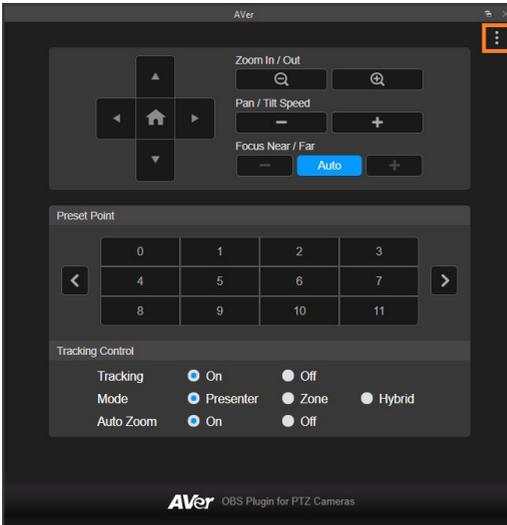


3. You can see the Web user interface and configure the camera.

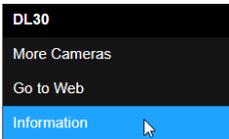


Information

1. At the top right corner of **OBS Plugin for PTZ Cameras**, click on .



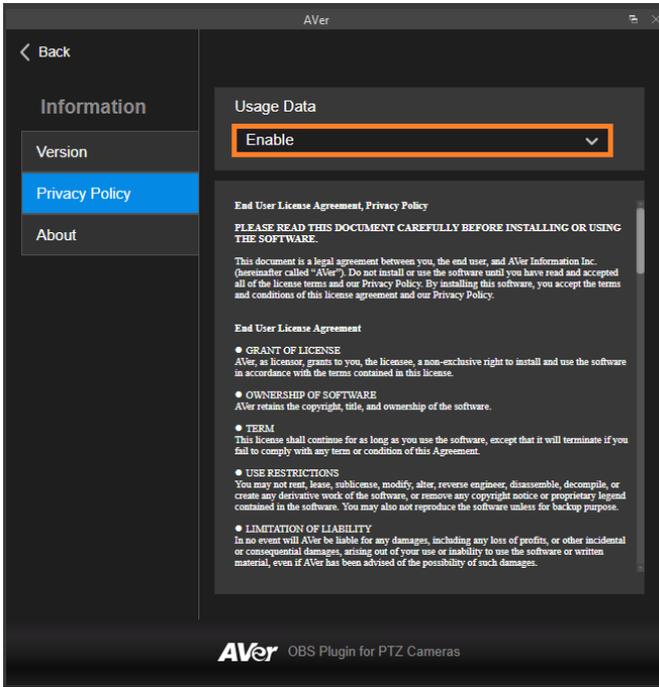
2. Select **Information**.



3. You can see the software version number, privacy policy, and intellectual property information of **OBS Plugin for PTZ Cameras**.



4. Select **Privacy Policy**. From the Usage Data drop-down menu, you can choose to **Enable** or **Disable** Usage Data collection whenever you would like to. You can read the End User License Agreement.



5. Select **About** to read the intellectual property information.

