

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: <u>https://obsproject.com/download</u>.

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.

Properties for 'Media Source'	×
Local File Restart physics: when source becomes active	
Network Buffering 💶	2 MB 🗘
Input rtsp://10.100.90.12/live_st1	
Input Formst	
Reconnect Delay	10 \$ 🗘
Use hardware decoding when available	
Show nothing when playback ends	
Defaults	OK Cancel

[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**.

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

S Create/Select Source	×
O Create new	
DL30 10F	
Add Existing	
DL30	
✓ Make source visible OK Canc	el

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

Properties for 'DL30 K'	×
I Local File	
Local File	
Loop	
🜌 Restart playback when source becomes active	
Use hardware decoding when available	
✓ Show nothing when playback ends	
Close file when inactive (?)	
Speed	100% 🤤
YUV Colour Range Auto	

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

Properties for 'DL	30 K'	\times
	Local File	
	Restart playback when source becomes active	
Network Buffering	2MB 🗘	
Input	rtsp://10.100.105.182/live_st1	
Input Format		
Reconnect Delay		•
	Use hardware decoding when available	
	Show nothing when playback ends	
Defaults	OK Cancel	

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.avereurope.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**.

→ This PC → (D:) → Software				
^	Name	Date modified	Туре	Size
	Name OBS Plugin for PTZ Cameras_v1.1.1004.0	Date modified 09/04/2021 10:22	Type Compressed	Size Size Open Open in new window ④ 使用 Skype 分享 Extract AlL. /*ZIP CRC SHA Pin to Start CRC SHA Pin to Start CRC SHA CRC previous versions Send to Cut Copy Paste Create shortcut Delete Rename
			-	Create shortcut Delete Rename Properties

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

			×
\leftarrow	Extract Compressed (Zipped) Folders		
	Select a Destination and Extract Files		
	Files will be extracted to this folder:		
	D:\Software\OBS Plugin for PTZ Cameras_v1.1.1004.0	Browse	
	Show extracted files when complete		
	Ext	ract Cano	el:

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



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



 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**.

Custom Browser Docks		×
Add docks by giving them a name and URL, then click Apply or Close to open	the docks. You can add or remove docks at any time.	
Dock Name	URL	
AVer	e:///D:/OBS%20Plugin%20for%20PTZ%20Cameras_v1.1.1004.0/ <mark>index.html</mark>	ŵ
	Apply Close	

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 <u>Information</u> > **Privacy Policy** > **Usage Data**, you can select **Disable** whenever you would like to.

AVer	×
Usage Data	
AVer OBS Plugin for PTZ Cameras collects usage data to help us deliver and improve our products. This plugin will not collect data regarding your privacy.	
e.g. Email address, MAC address, IP address, etc. By installing this plugin	
your Information/Privacy Policy. Learn more, see Privacy Policy.	
Deny Allow	
OBS Plugin for PTZ Cameras	

 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**.

AVer		
< Back		
	Add Camera	
	Camera IP	
	Camera Name	
	DL30	
	3 Passuard	
	·	
	Add	
	AVer OBS Plugin for PTZ Cameras	

[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

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		Zoo	m In / Out Q	Ð)	
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		Foc	us Near / Far			
			- Auto	• +		
Preset Pe	oint					
	0	1	2	3		
<	4	5		7	>	
	8	9	10	11		
Tracking	Control					
	Tracking	On	Off			
	Mode	Presente	er 🕒 Zone	Hybrid		
2	Auto Zoom	On	Off			
	A	Ver OBS P	lugin for PTZ Came			

PTZ and Focus

PTZ



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, Auto, indicates that the manual focus is on. Then,

click **click** or **clic**

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.

		AVer	81		ъ ×
					:
	▲ • ↑	Zoo Pan	m in / Out Q / Tilt Speed	€ +	
	•	Foc	us Near / Far	+	
Preset P					
	0	Podium	2	3	
<				7	
	8			11	
Tracking	Control				
	Tracking	On	Off	_	
	Mode Auto Zoom	PresenteOn	r Off	 Hybrid 	
	A	Ver OBS P			

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

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

							:
			Zoom In	/ Out Q	Ð)	
	< ♠	•	Pan / Tilt	Speed	+)	
	•		Focus N	ear / Far Auto	+		
Preset P	voint						
	0			2			
<	4			6	7	>	
	8			10	11		
Tracking	Control						
	Tracking	On		Off			
	Modo	Droc	ontor	7000			
			GIIIGI		• Hybrid		
	Auto 200m	Un Un					
	A	Ver o					

2. Select More Cameras.

DL30	
More Cameras	N
Go to Web	~
Information	

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

	AVer	
Back		
	Select Camera	
	DL30 🗸	
	Edit	
	Add Other Camera	
	Add	
	AVer OBS Plugin for PTZ Cameras	

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.

			ъ×
< Back			
	Select Camera		
	DL30	• · ·	
		Edit	
	Add Other Camera		
		+	
	Add		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		for PTZ Cameras	

- 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.

🗸 Back			
	Select Camera		
	DL30	~	
		Edit	
	AVer OBS Plugin for	PTZ Cameras X	
	Are you sure you want to	delete this camera?	
	Add		
	AVer OBS Plugin		

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**.

	AVer	~ 8
🗸 Back		
	Edit Camera	
	Camera IP	
	Camera Name	
	DL30	
	Login Account 1	
	Password	
	Save	
	AVer OBS Plugin for PTZ Cameras	

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

	AVer	
< Back		
	Edit Camera	
1		
	Camera IP	
	10.100.90.12	
	Camera Name	
	DL30	
	Password	
	Save	
	AVAY OBS Plugin for PTZ Cameras	

Add a Camera

1. Click Add.



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

	AVer	Ð
< Back		
	Add Camera	
	Camera IP	
	10.100.105.178	
	DL 30 K	
	Login Account a	
	Password	
	Add	
	AVer OBS Plugin for PTZ Cameras	

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.

< Back				
	Select Camera			
	DL30 16			
	DL30	 Online 	⑪	
	DL30 16	 Online 	ŵ	
		OK		
	Add Other Camer	а		
		Add		
	AVer	OBS Plugin for PTZ Can		

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

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Preset F	Point					
	0		2	3		
<	4		6	7	>	
	8		10	11		
Tracking	g Control					
	Tracking Mode Auto Zoom	OnPresenterOn	OffZoneOff	Hybrid		
	A	Ver OBS PIL				

Camera Web User Interface

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

		Zoom In / Out		
			æ	
1		Pan / Tilt Speed	+	
•		Focus Near / Far	+	
		2	3	
		6	7	>
		10	11	
introl				
icking ide to Zoom	OnPreseOn	● Off enter ● Zone ● Off	Hybrid	
	a 0 4 8 ontrol acking sc	0 1 4 5 8 9 ntrot scking 0 On scking 0 On bdVer 08	Pocus Near / Far 0 1 2 4 4 5 6 9 10 10 introl scking to Zoom On Off On On Off	Focus Near / Far 0 1 2 3 0 1 2 3 4 5 6 7 8 9 10 11 introl 0 0 0 10 scking On Off 0 0 0 On Off 0 0

2. Select Go to Web.



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



Information

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

			AVer			
						Γ
	• • † •	•	Zoom In / Out Q Pan / Tilt Speed Focus Near / Far Auto	•		
Preset F	Point					
	-			· .)		
			2			
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	8		10	11		
Tracking	Control					
	Tracking	💿 On	Off			
	Mode	Prese	enter 💿 Zone	Hybrid		
	Auto Zoom	💿 On	Off			
	A	Ver ob				

2. Select Information.

DL30	
More Cameras	
Go to Web	
Information	5

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.

