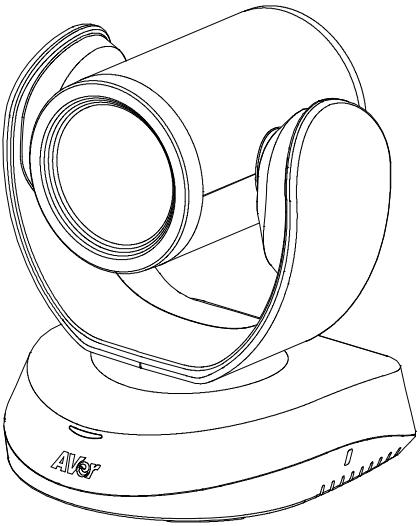
www.aver.com

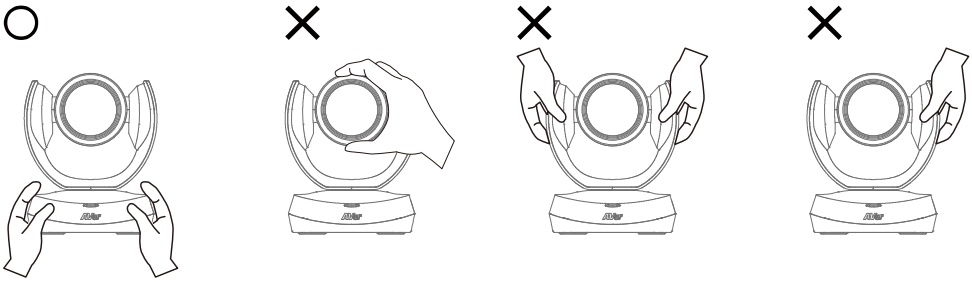


CAM520 Pro3

User Manual

Firmware 9602.14

Warning



- Hold the bottom of the camera with both hands to carry the camera.
  Whether the camera is connected to power or not, do not grab any part of the lens or the lens holder to carry the camera or adjust pan and tilt.
- Do not drop the camera or subject it to physical shock.
- Ensure the power supply voltage is correct before using the camera.
- Do not place the camera where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
- To reduce the risk of fire or electric shock, do not expose the camera to rain or moisture.
  Warranty will be voided if any unauthorized modifications are done to the camera.

Federal Communications Commission Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Caution

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

VCCI-A

この装置は、クラスＡ 機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

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- 请将电池存放在凉爽与干燥的位置。
- 不要将电量用尽的电池弃置在家庭废弃物中。请将电池弃置在特定回收处，或送回原购买的商店。
- 如果长时间不使用电池，请将其取出。电池漏液与腐蚀可能会损坏遥控器，请以安全方式弃置电池。
- 不可混用新旧电池。
- 不可混用不同类型的电池：碱性、标准（碳锌）或可充电（镍镉）电池。
- 不可将电池弃置于火源中。
- 请勿尝试让电池端子短路。

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Contents

Warning **2**

Overview **1**

Package Contents 1

Optional Accessories* 1

Pan and Tilt Angle 2

Parts Info 3

LED Indicator 3

Remote Control 4

Shortcuts 5

Connection **6**

Device Connection 6

Power Connection 7

HDMI Connection 7

RS-232 Connection 8

RS-232 Port Pin Definition 8

Computer/Keyboard Controller and Camera Connection 9

Camera Cascade Connection 12

Installation **14**

Wall Mount Installation 14

Ceiling Mount Installation 17

Secure the Cables 19

Get Started **20**

Make a Video Call 20

Web Interface **21**

Access the Web Interface 21

AVer IP Finder 21

PTZApp 2 22

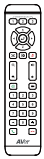
PTZ Control 23
Overview of PTZ Control....23
Save, Load and Clear a Preset....24
Add and Delete Available Presets (Presets 10-127) 24
Setting 25
Overview of the Floating Live View....28
Tracking Mode 29
Video Format 30
Network 31
System....32
PTZApp 2....34
Install PTZApp 2 34
Open and Quit PTZApp 2 34
USB Devices 35
Overview of the USB Devices page....35
Overview of the Camera Card 36
Overview of the Floating Live View....37
Virtual Stream....38
EZLive....39
Use AVer EZLive....39

Overview

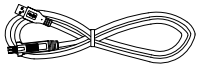
Package Contents

Camera

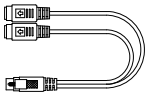
Power Adapter & Power Plug*



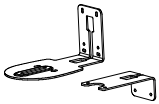
Remote Control



USB 2.0 Type-B to Type-A Cable (5m)



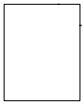
Mini Din 9 to Mini Din 8 RS-232 Adapter Cable



Wall Mount Bracket (x2)

M4 x 8mm Wall Mount Screw (x2)

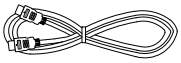
1/4"-20 L=7.5mm Tripod Screw (x2)



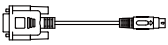
Drill Template

*The power plug may vary based on the country or region where sold.

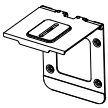
Optional Accessories*



HDMI Cable (3m)



Mini Din 8 to D-Sub 9 Cable

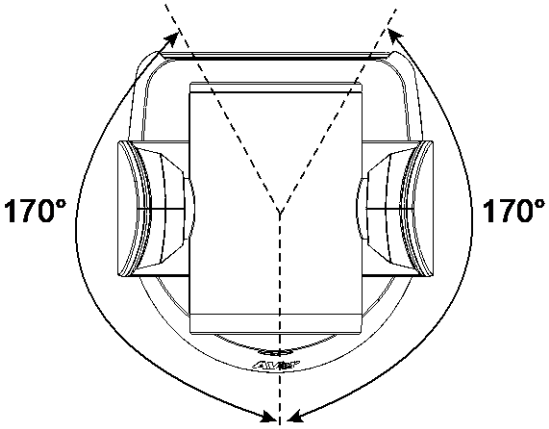


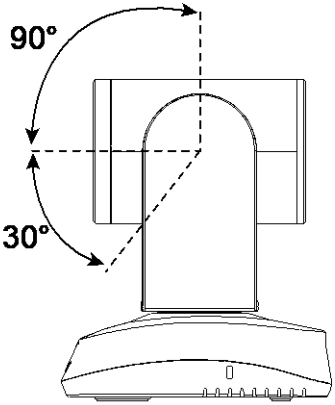
Foldable TV Mount

Ceiling Mount (Upside Down Installation)

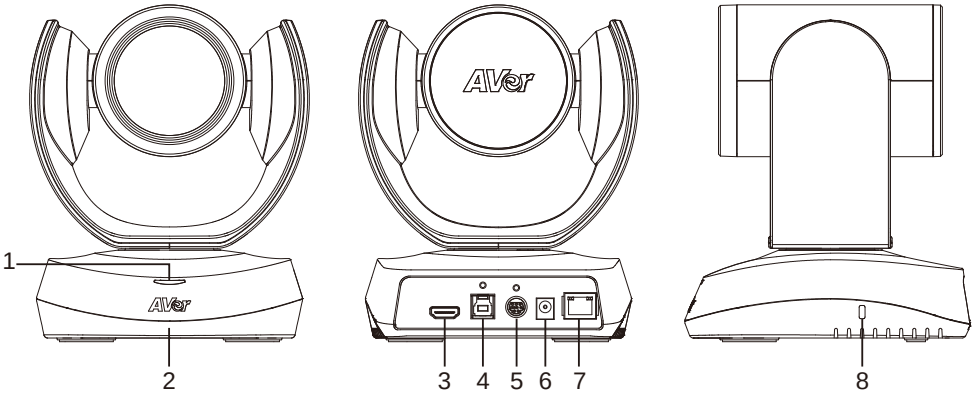
*****Optional Accessories will vary depending on the country where it is sold.

Pan and Tilt Angle





Parts Info



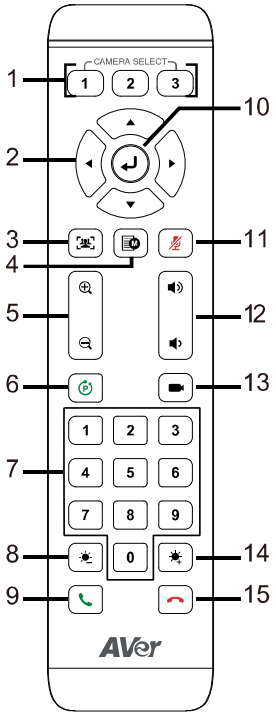
1. Status LED
2. IR Sensor
3. HDMI Port
4. USB 3.1 Type B Port
5. RS-232 In/Out Port
6. DC Power Jack
7. PoE Port*
8. Kensington Lock

*Power over Ethernet (PoE), compatible with IEEE 802.3AT. Please use CAT 5e FTP cable (not included).

LED Indicator

Color	Status
Solid red	Start-up
Solid orange	Standby
Solid blue	Video on

Remote Control



Name	Function
1. Camera Select	No selection is required by default to operate the camera. ● **Camera Binding** is turned off by default and all three selections can operate the camera. ● To specify a number, go to **Setting** > **Camera Binding** on the web interface or in PTZ App2.
2. Directional Pad	Press once for incremental movement or press and hold for continuous pan or tilt.
3. SmartFrame	Short press to frame entire group on screen and remove excess space. Long press to switch between tracking modes. **Note:** ● The SmartFrame icon appears on video when turned on. To hide the icon, go to the **Setting** tab > **On-Screen Menu** > **Off** on the web interface or in PTZ App2. ● The effective distance is up to 7-10 meters. ● AI functions will be turned off if pan, tilt and zoom controls are used.
4. OSD Menu	Short press the button to open OSD menu during HDMI output.
5. Zoom In/Out	Increase / Decrease the camera zoom.
6. Preset 7. Number Pad	● **To save a preset:** Press and hold the **Preset** button until the save message appears on screen and release, then short press the **Number Pad (0-9)**. ● **To load a preset:** Press and hold the **Preset** button and release, then short press the **Number Pad (0-9)**.
8. Brightness -	Decrease the brightness.
9. Call/Answer	Answer a call or start a call.
10. Enter	N/A
11. Mute	N/A
12. Volume	N/A
13. Load Preset	With each press, cycle through defined presets.

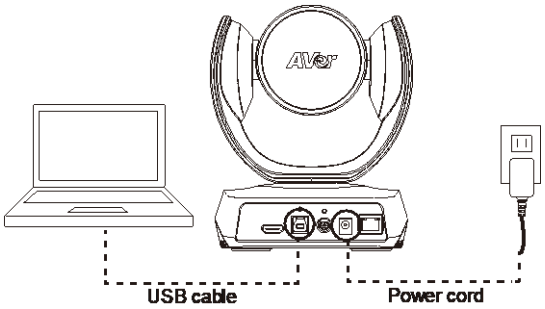
	14. Brightness +	Increase the brightness.
	15. Hang Up	End the call.

Shortcuts

Press and Hold	To
1 for 2 sec	Turn wide dynamic range (WDR) on or off.
5 for 2 sec	Turn SmartFrame on or off.
8 for 2 sec	Turn RTMP streaming on or off when RTSP and RTMP are turned on.
9 for 2 sec	Enter sleep mode.
for 6 sec	Reboot.
for 2 sec and release, then press 1	Turn Preset Link Set 1 on or off.
for 2 sec and release, then press 2	Turn Preset Link Set 2 on or off.

Connection

Device Connection

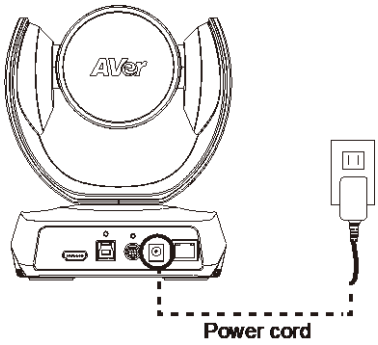


- Use the included USB cable.
- The USB 3.1 port is compatible with USB 2.0.

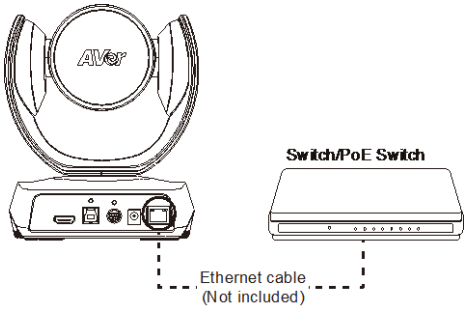
Maximum resolution/fps for USB 2.0 and USB 3.1 ports:

USB 2.0		USB 3.1		HDMI
YUV	M-JPEG	YUV	M-JPEG	
- 640x480 or less, up to 30fps - 720p, up to 10fps	- 1080p/60fps	- Up to 1080p/30fps - 720p/60fps	- 1080p/60fps	- 1080p/60fps - 1080p/30fps

Power Connection



Connect the included power adapter and power cord to a wall outlet.

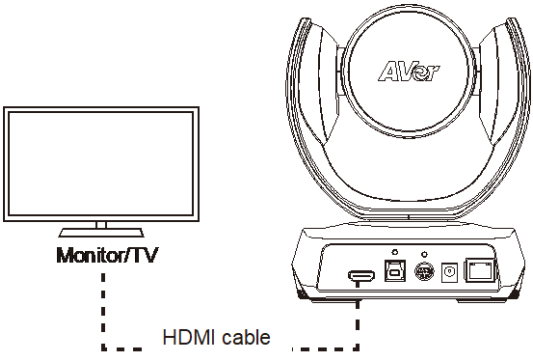


Or connect a CAT 5e FTP cable (not included) to the PoE Switch or Ethernet.

- PoE port is compatible with IEEE 802.3at.
- When streaming over IP, use a CAT 5e FTP cable (not included) for a smooth video.

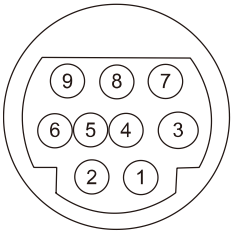
HDMI Connection

Connect with TV or monitor through the HDMI port to display camera video on the screen.



RS-232 Connection

RS-232 Port Pin Definition

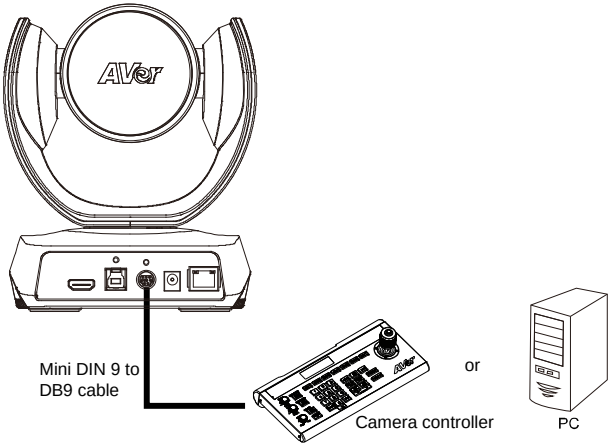


Function	Mini DIN9 PIN #	I/O Type	Signal	Description
VISCA IN	1	Output	DTR	Data Terminal Ready
	2	Input	DSR	Data Set Ready
	3	Output	TXD	Transmit Data
	6	Input	RXD	Receiver Data
VISCA OUT	7	Output	DTR	Data Terminal Ready
	4	Input	DSR	Data Set Ready
	8	Output	TXD	Transmit Data
	9	Input	RXD	Receiver Data
	5	---	---	Not connect

Computer/Keyboard Controller and Camera Connection

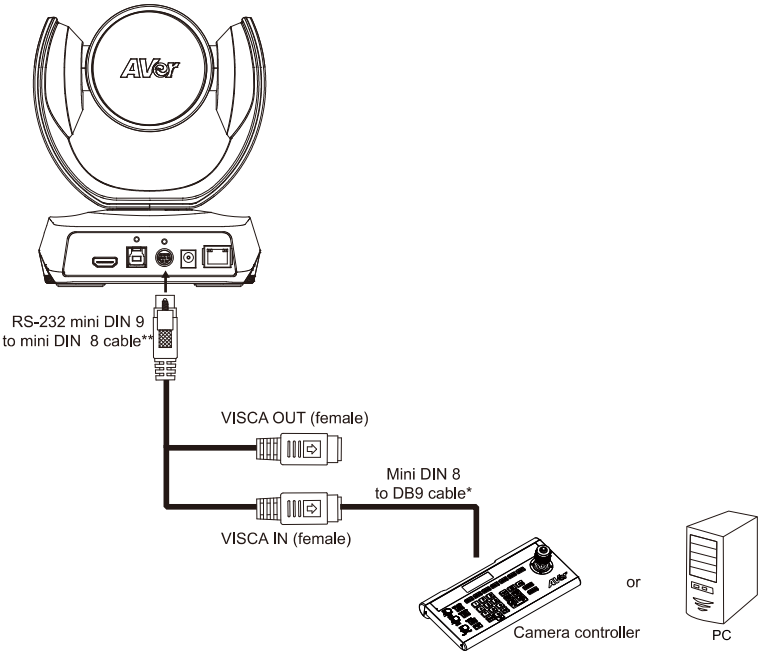
Direct Connection

If users do not use AVer RS-232 adapter cable, please refer to the pin connection shown below.



Mini DIN9		**DB9**
Camera		Camera controller, PC
1. DTR (IN)	→	6. DSR
2. DSR (IN)	→	4. DTR
3. TXD (IN)	→	2. RXD
6. RXD (IN)	→	3. TXD
7. DTR (OUT)		1. DCD
4. DSR (OUT)		5. GND
8. TXD (OUT)		7. RTS
9. RXD (OUT)		8. CTX
		9. RI

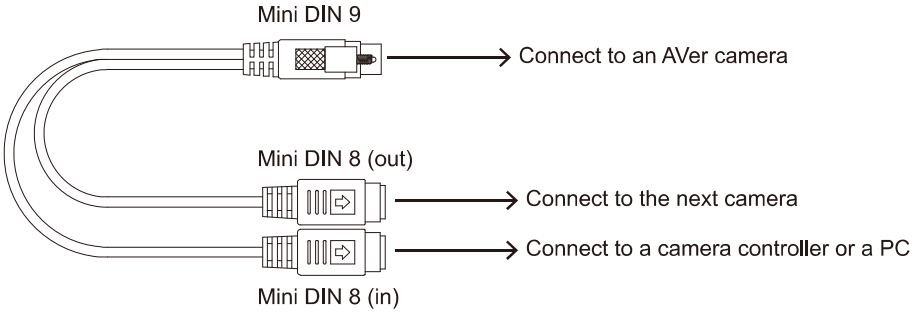
Use the supplied RS-232 mini DIN 9 to mini DIN 8 cable



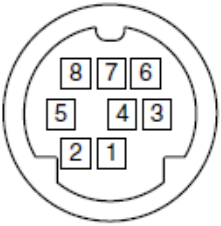
DB9		**Mini DIN8**
Camera controller, PC		Camera
1. DCD		6. GND (IN)
2. RXD	→	3. TXD (IN)
3. TXD	→	5. RXD (IN)
4. DTR	→	2. DSR (IN)
5. GND	→	4. GND (IN)
6. DSR	→	1. DTR (IN)
7. RTS		
8. CTX		1. DTR (OUT)
9. RI		2. DSR (OUT)
		3. TXD (OUT)
		4. GND (OUT)
		5. RXD (OUT)
		6. GND (OUT)

*** Mini DIN 8 to D-Sub 9 (DB9) cable is an optional item.**

**** RS-232 mini DIN 9 to mini DIN 8 Cable Pin Definition**



Mini DIN 8 Pin Definition



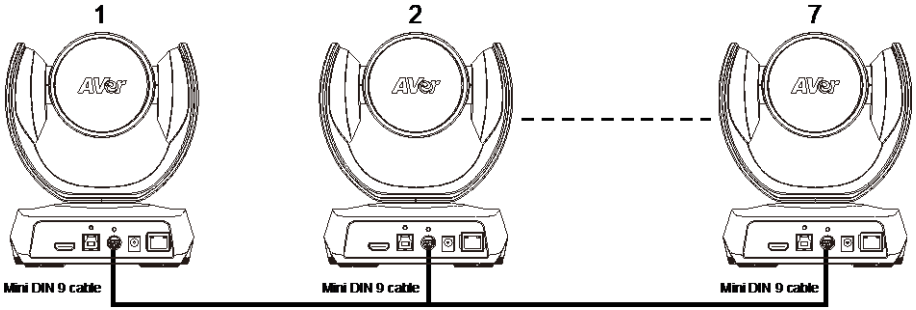
No.	Pin
1	DTR
2	DSR
3	TXD
4	GND
5	RXD
6	GND
7	NC
8	NC

Camera Cascade Connection

Direct Connection

If users do not use AVer RS-232 adapter cable, please refer to the pin connection shown below for cascading cameras.

Total can connect up to 7 cameras.



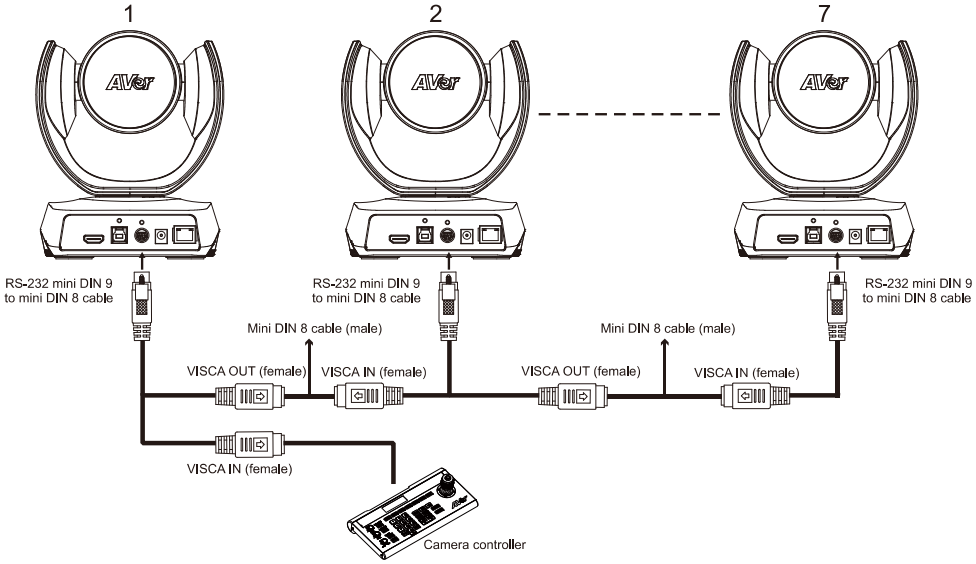
Mini DIN9 Camera 1		**Mini DIN9** Camera 2
1. DTR (IN)		7. DTR (OUT)
2. DSR (IN)		4. DSR (OUT)
3. TXD (IN)		8. TXD (OUT)
6. RXD (IN)		9. RXD (OUT)
7. DTR (OUT)	→	2. DSR (IN)
4. DSR (OUT)	→	1. DTR (IN)
8. TXD (OUT)	→	6. RXD (IN)
9. RXD (OUT)	→	3. TXD (IN)
SHIELD	→	SHIELD

Use the RS-232 mini DIN 9 to mini DIN 8 cable

Total can connect up to 7 cameras.

To facilitate the camera cascade, users can use AVer RS-232 adapter cable.

Connect camera with AVer mini DIN 9 to mini DIN 8 adapter cable. Connect the mini DIN 8 female side to male mini DIN 8 Visca cable (Users have to buy it in the market) and then connect AVer mini DIN 9 to mini DIN 8 adapter cable again to connect to next camera.



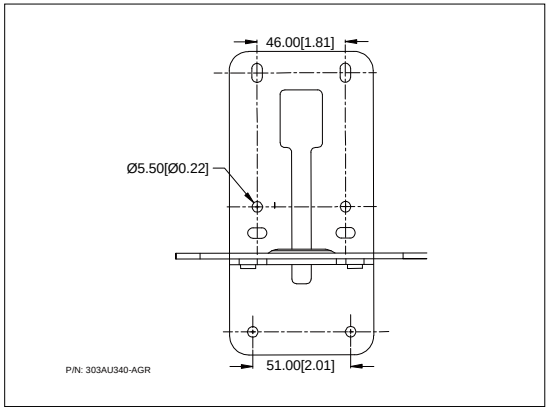
Mini DIN8		**Mini DIN8**
Camera 1		Camera 2
1. DTR (IN)		1. DTR (OUT)
2. DSR (IN)		2. DSR (OUT)
3. TXD (IN)		3. TXD (OUT)
4. GND (IN)		4. GND (OUT)
5. RXD (IN)		5. RXD (OUT)
6. GND (IN)		6. GND (OUT)

1. DTR (OUT)	→	2. DSR (IN)
2. DSR (OUT)	→	1. DTR (IN)
3. TXD (OUT)	→	5. RXD (IN)
4. GND (OUT)	→	4. GND (IN)
5. RXD (OUT)	→	3. TXD (IN)
6. GND (OUT)		6. GND (IN)

Installation

Wall Mount Installation

1. Use the drilling paper included in the package to drill the holes in the wall where the user wants to mount the camera.

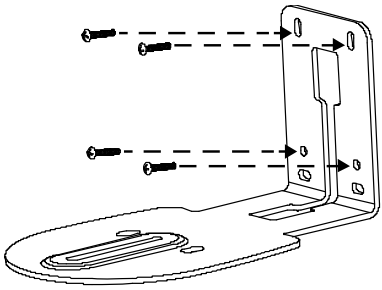


2. Use the screws (not included) to secure the L-mount bracket [A] on the wall.

Screw

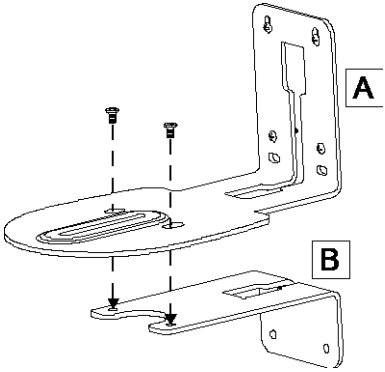
For Cement wall: M4 x20mm self-tapping screws (x4) + Plastic conical anchor

For Wooden wall: M4 x20mm self-tapping screws (x4)



3. Then, assemble the L-mount brackets [A] + [B] with screws (included in package).

Screw size: M4 x8mm (x2)

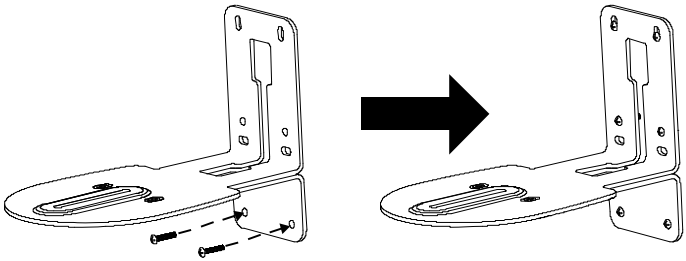


4. After assembling the L-mount brackets, use the screws (not included) to secure the lower part of L-mount brackets on the wall.

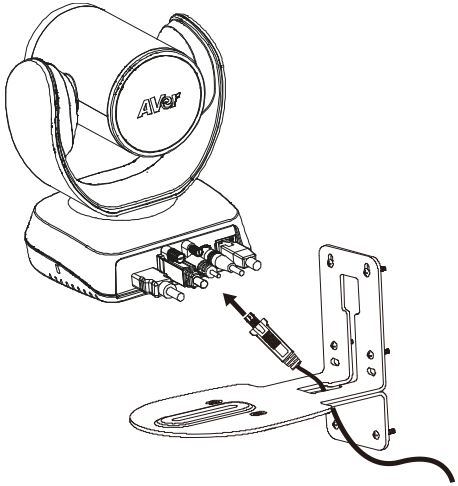
Screw

For Cement wall: M4 x20mm self-tapping screws (x2) + Plastic conical anchor

For Wooden wall: M4 x20mm self-tapping screws (x2)

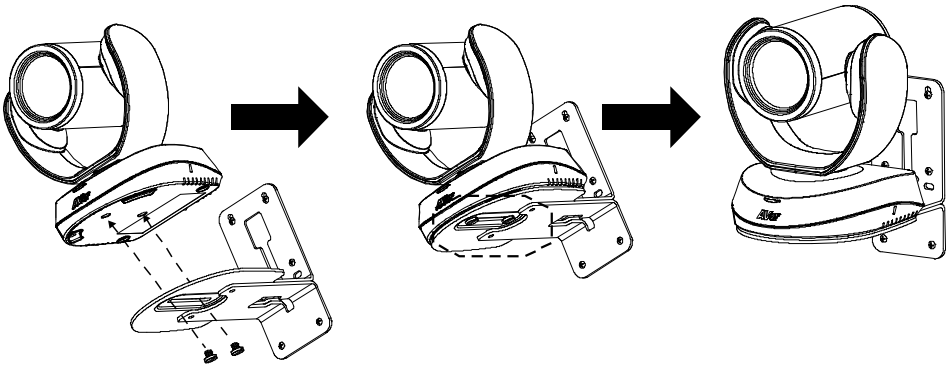


5. Pass the cables through the hole on the L-mount bracket and connect the cables to corresponding connection ports.



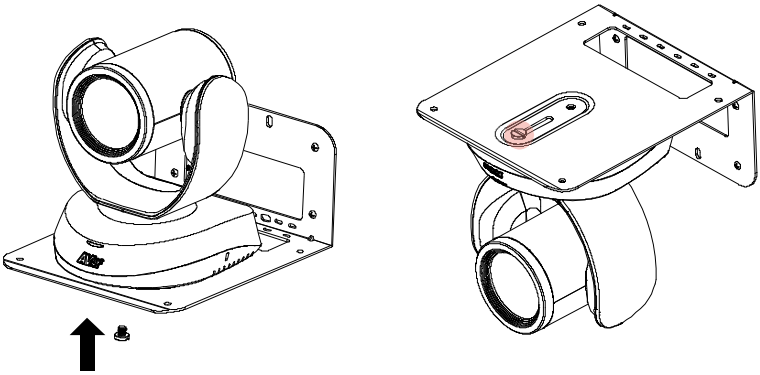
6. Use the remaining screws (included in package) to secure the camera on the L-mount bracket.

   Screw: 1/4”-20 L=7.5mm (x2)

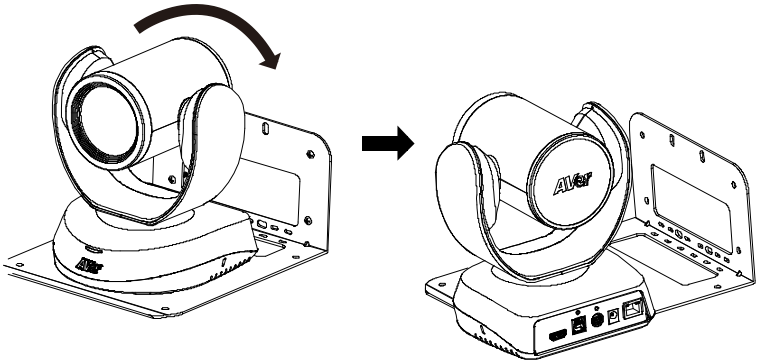


Ceiling Mount Installation

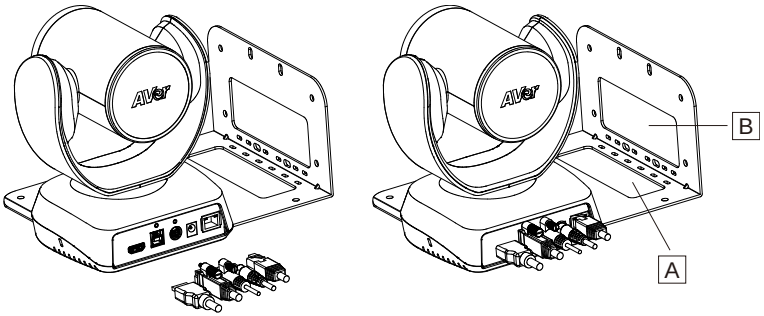
1. Install the provided screw underneath the camera but do not tighten.



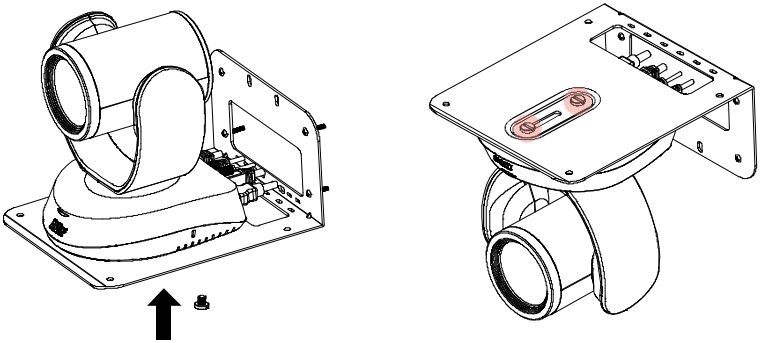
2. Turn the camera to right side.



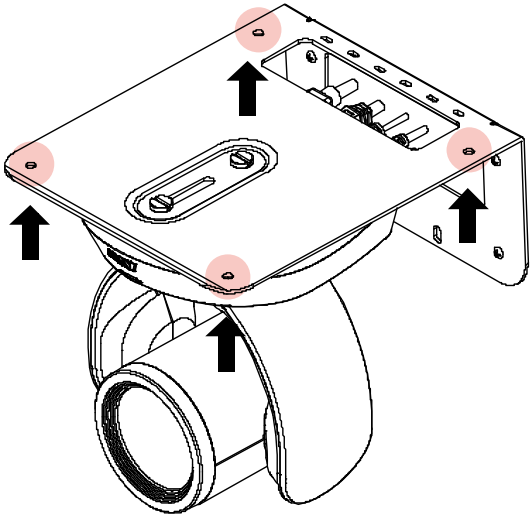
3. Pass cables through A or B hole first. Connect cables with camera.



4. Turn the camera to face the front side. Install the second screw and tighten both screws.

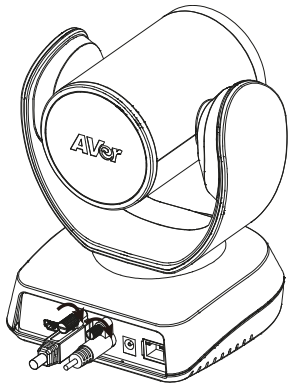


5. Find suitable screws to fix the camera mount to the ceiling.



Secure the Cables

Plug in your USB cable or RS-232 cable and tighten the cable screw to secure.



Get Started

Make a Video Call

The CAM520 Pro3 is a plug-n-play camera.

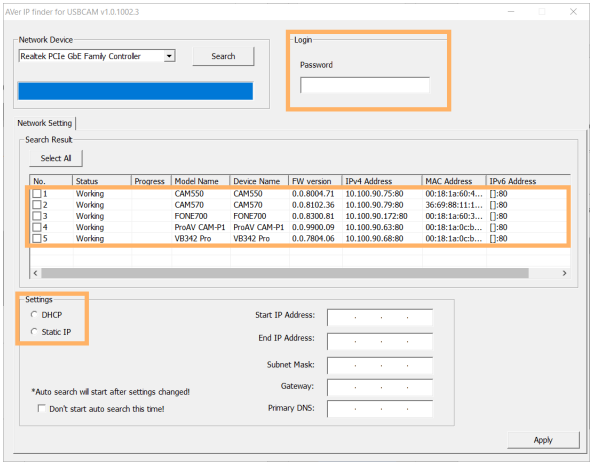
1. Connect your CAM520 Pro3 to a computer using the included USB cable.
2. Open your video conferencing software such as Microsoft® Teams, Skype and Zoom.
3. Set the CAM520 Pro3 as your primary camera on your video conferencing software.

Web Interface

Access the Web Interface

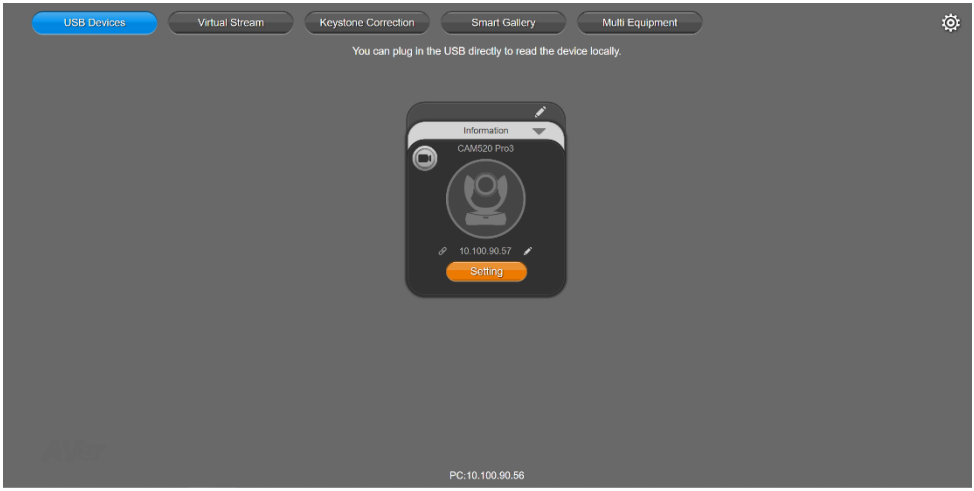
- You can access your camera's web interface and change the default static IP to DHCP using the following software:
  - AVer IP Finder
  - PTZApp 2
- Recommended browser: Chrome 76 and above, Firefox 69 and above.

AVer IP Finder



1. Download and install AVer IP Finder to your computer from AVer Download Center. (https://www.aver.com/download-center).
2. Make sure your camera and computer are connected to the same network.
3. Open AVer IP Finder. Click **Search**.
4. To change the default static IP **192.168.1. 168** to DHCP, select your camera's checkbox from the list of devices.
5. Enter the default password **aver4321**.
6. Select **DHCP**.
7. Click **Apply**. AVer IP Finder will seach for devices again and your camera's IP address will change.
8. Double-click on your device row to access the web interface.
9. For first-time login, enter the default password **aver4321**. You'll be prompted to set up a new account and password.
   - Use 6-10 characters, upper and lowercase letters, numbers and special characters (* ! % + = , - _ ^ / @ . ~).
   - If you forgot your password, use PTZApp 2 to reset the password to the default password **aver4321**.

PTZApp 2

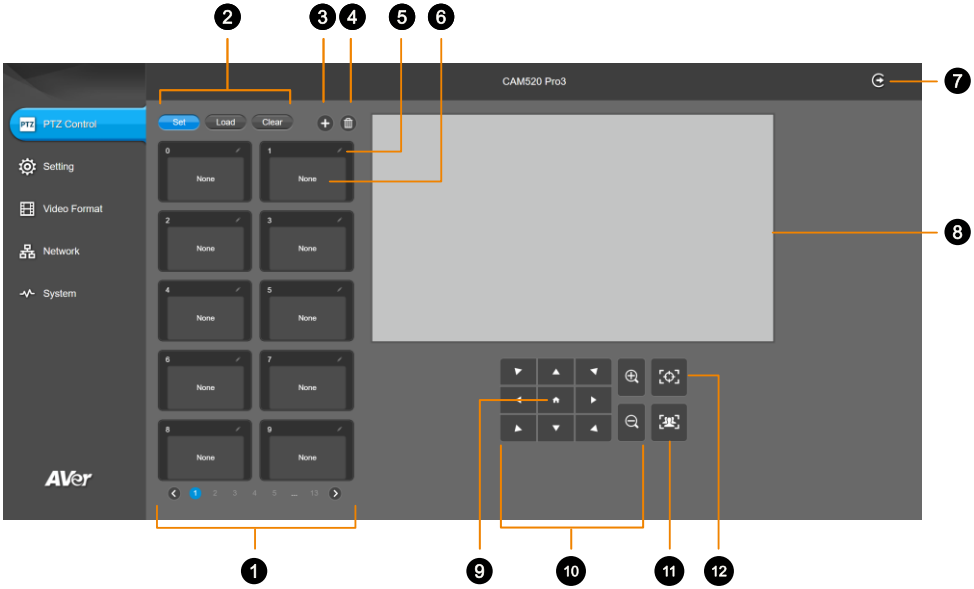


1. Download and install PTZApp 2 to your computer from AVer Download Center. (https://www.aver.com/download-center).
2. Make sure your camera and computer are connected to the same network.
3. Double-click the PTZApp 2 icon to open PTZApp 2 in your browser.
4. Connect your camera to your computer using the included USB cable. When PTZApp 2 detects a USB-connected camera, a camera card will appear under the **USB Devices** page.
5. Click the pencil icon on the camera card to change the default static IP **192.168.1. 168** to DHCP.
6. Select **DHCP** and click **Confirm**.

7. Click the link icon on the camera card to access the web interface.
8. For first-time login, enter the default password **aver4321**. You'll be prompted to set up a new account and password.
   - Use 6-10 characters, upper and lowercase letters, numbers and special characters (* ! % + = , - _ ^ / @ . ~).
   - If you forgot your password, use PTZApp 2 to reset the password to the default password **aver4321**.

PTZ Control

Overview of PTZ Control



1. **Presets 0-9**

2. **Preset Function Buttons**
Save, load and clear a preset.

3. **Add Available Presets**
There are 10 available presets 0-9 by default. Click the plus icon to add up to 128 available presets.

4. **Delete Available Presets**
Click a trashcan icon to delete available presets.

5. **Name**
Click the pencil icon to name a preset.

6. **Preset Thumbnail**

7. **Log Out**
Log out of your account and close the web interface.

8. **Live View**

9. **Pan-Tilt Reset**
Reset the pan-tilt position to the center.

10. **Directional Pad and Zoom**

11. **SmartFrame**
Click the SmartFrame icon to frame entire group on screen and remove excess space.

Note: The SmartFrame icon appears on video when turned on. To hide the icon, go to the **Setting** tab > **On-Screen Menu** > **Off** on the web interface.

12. **One-Touch Focus**
Click to autofocus once.

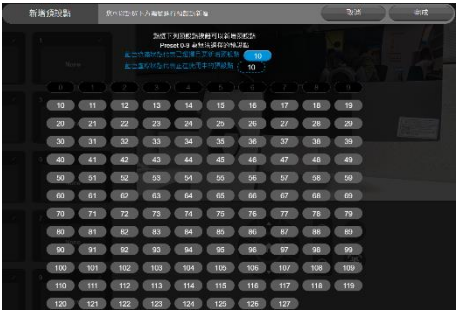
Save, Load and Clear a Preset

To save a preset:

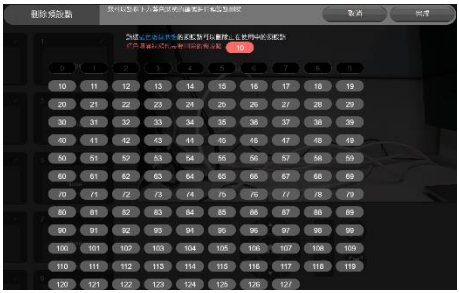
1. Use the pan, tilt and zoom controls to position your camera.
2. Select **Set**, then a preset number to save that position.
3. Select **Yes** when prompted. A thumbnail of your preset will appear.

Add and Delete Available Presets (Presets 10-127)

There are 10 available presets 0-9 by default.
Click the plus icon to add up to 128 available presets, or click the trashcan icon to delete available presets.



Add



Delete

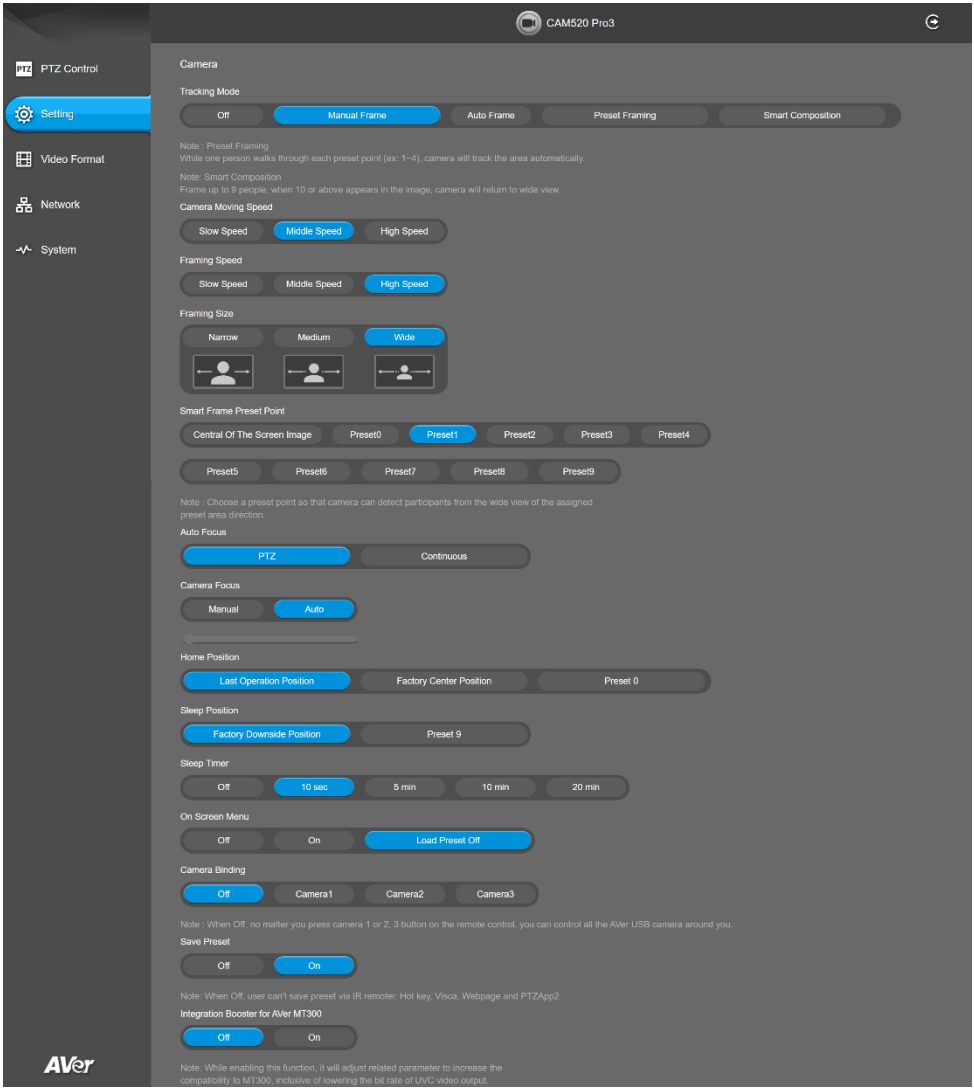
To add an available presets:

1. Select the plus icon, then select the preset numbers you want to add.
2. Select **Done**.

To delete an available preset:

1. Select the trashcan icon, then select the preset numbers you want to delete.
2. Select **Done**.

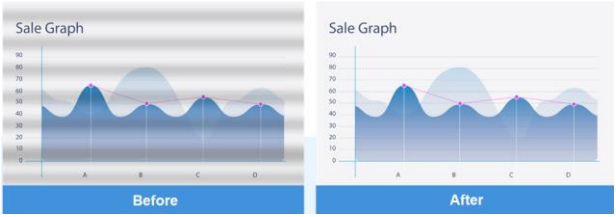
Setting


CAM520 Pro3
PTZ Control
Setting
Video Format
Network
System
Camera
Tracking Mode
Off
Manual Frame
Auto Frame
Preset Framing
Smart Composition
Note : Preset Framing
While one person walks through each preset point (ex: 1~4), camera will track the area automatically.
Note: Smart Composition
Frame up to 9 people, when 10 or above appears in the image, camera will return to wide view.
Camera Moving Speed
Slow Speed
Middle Speed
High Speed
Framing Speed
Slow Speed
Middle Speed
High Speed
Framing Size
Narrow
Medium
Wide
Smart Frame Preset Point
Central Of The Screen Image
Preset0
Preset1
Preset2
Preset3
Preset4
Preset5
Preset6
Preset7
Preset8
Preset9
Note : Choose a preset point so that camera can detect participants from the wide view of the assigned preset area direction.
Auto Focus
PTZ
Continuous
Camera Focus
Manual
Auto
Home Position
Last Operation Position
Factory Center Position
Preset 0
Sleep Position
Factory Downside Position
Preset 9
Sleep Timer
Off
10 sec
5 min
10 min
20 min
On Screen Menu
Off
On
Load Preset Off
Camera Binding
Off
Camera1
Camera2
Camera3
Note : When Off, no matter you press camera 1 or 2, 3 button on the remote control, you can control all the AVer USB camera around you.
Save Preset
Off
On
Note: When Off, user can't save preset via IR remoter, Hot key, Visca, Webpage and PTZApp2.
Integration Booster for AVer MT300
Off
On
Note: While enabling this function, it will adjust related parameter to increase the compatibility to MT300, inclusive of lowering the bit rate of UVC video output.
AVer

Camera

Item	Description
Tracking Mode	Select a tracking mode. Refer to <Tracking Mode> for details.
Camera Moving Speed	Select a camera moving speed.
Framing Speed	Select a duration before auto frame. ● **Slow:** 5 seconds before auto frame. ● **Middle:** 3 seconds before auto frame. ● **High:** 1 second before auto frame.
Framing Size	Select a framing size to include or remove excess space on either side of the subject.
SmartFrame Preset Point	Select a position as the detection area when using SmartFrame to frame entire group on screen.
Autofocus	Automatically focus after each pan, tilt and zoom, or automatically focus continually.
Camera Focus	Adjust the focal length manually by dragging the slider or automatically.
Home Position	Select a home position that your camera moves to when powered on.
Sleep Position	Select a home position that your camera moves to when entering standby mode.
Sleep Timer	Set a duration before standby mode. ● When transmitting video over USB, RTSP or RTMP, the camera won't enter standby mode.
On-Screen Menu	Turn On-Screen Menu on or off. ● **Load Preset Off:** Displays all statuses except load preset.
Camera Binding	No setup is required to operate the camera. ● When camera binding is turned off (default), all selections on the remote control can operate the camera. ● Or select **Camera 1**-**Camera 3** to assign the camera to a camera select button 1-3 on the remote control.
Save Preset	Turn Save Preset on or off. ● When Save Preset is turned off, you won't be able to save presets using the remote control, web interface, hotkeys or VISCA commands.
Integration Booster for AVer MT300	Turn on to improve compatibility with AVer MT300 Matrix Tracking Box and reduce latency by lowering bit rate.

Image

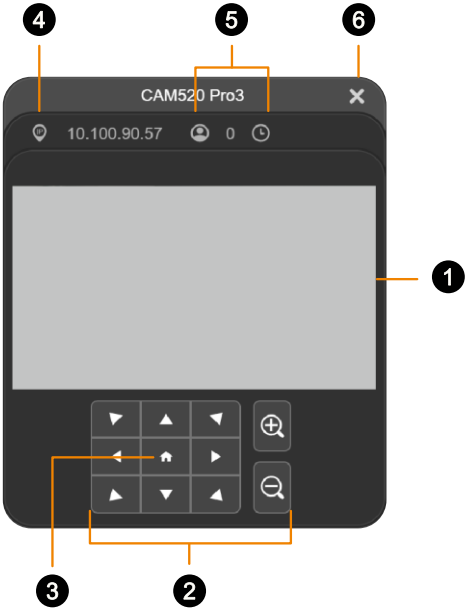
Item	Description
Image Flip	Flip the image vertically.
Image Mirror	Flip the image horizontally.
WDR	Turn wide dynamic range (WDR) on or off.
Flicker Decrease on IFP / Monitor	Turn Flicker Decrease on IFP / Monitor on or off. 
Frequency	Select a frequency.
White Balance	Select a white balance setting: ● **Manual:** Adjust the white balance manually by dragging the slider. ● **Auto:** Adjust the white balance automatically.
Noise Reduction	Adjust noise reduction level.
Brightness	Adjust brightness level.
Sharpness	Adjust sharpness level.
Saturation	Adjust saturation level.
Low Light Compensation	Turn Low Light Compensation on or off.
Low Resolution under 720p (except 848*480)	Enable to transmit video in 720p or lower.
Enlarge Total Zoom Up to 36x	Enable or disable Enlarge Total Zoom Up to 36x. The default is 24X.
Video Frame Rate	Select a video frame rate.

RS-232

Item	Description
ADDR	Select your settings to set up an RS-232 connection.
Baud Rate	
Protocol	
VISCA over IP	

Overview of the Floating Live View

- The floating live views opens automatically in the **Setting** tab.
- To open the floating live view again after closing, click on the video recorder icon on top of **Setting**, **Video Format**, **Network** and **System** tabs.



1. **Live View**

2. **Directional Pad and Zoom**

3. **Pan-Tilt Reset**

Reset the pan-tilt position to the center.

4. **IP Address**

5. **Head Count and Video Transmission Duration**

Click the head count icon to display head count and the duration of your video transmission. Click the icon again to hide the information.

6. **Close**

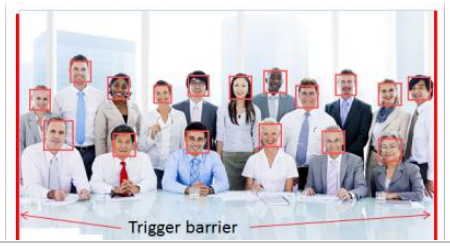
Click the X icon to close the floating live view and stop transmitting video.

Tracking Mode

Manual Frame

Frames manually using the SmartFrame button to frame entire group on screen once.

Auto Frame



Frames entire group on screen automatically. If no one is in view, the camera will default to preset 0.

- The camera auto frames every time a subject enters or leaves the screen.
- If Auto Frame happens too frequently, set a duration before auto frame in the **Setting** tab > **Framing Speed**.

Preset Framing

Frames the presenter in real time as they move using presets. If no one is within the presets, the camera will default to group framing.

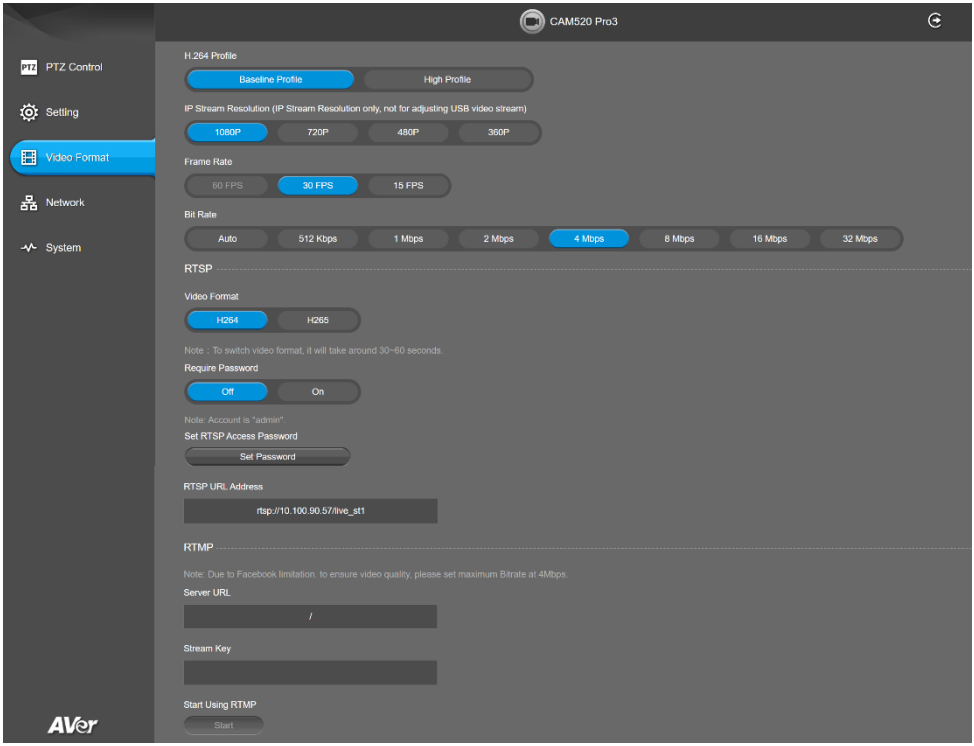
- Make sure you have defined presets. Presets 1-9 are available. Preset 0 defaults to the home position.
- Define overlapping presets for a smooth transition. When the presenter exits the previous preset, the camera will follow and move to the next preset.
- When multiple presenters are within presets, the preset with the smaller number takes priority.

Smart Composition

Creates a close-up frame for each participants and present them in a single stream composited gallery.

- Smart Composition frames up to 9 people. If more than 9 are in view, the camera will default to group framing.
- You can set a detection area for Smart Composition in the **Setting** tab > **SmartFrame Preset Point**.

Video Format

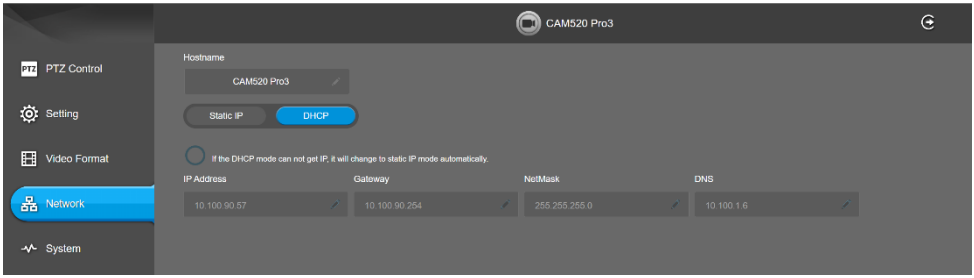


Item	Description
H.264 Profile	Select a profile for streaming live.
IP Stream Resolution	Select a resolution for streaming over IP.
Frame Rate	Select a frame rate.
Bit Rate	Select a bit rate. ● To live stream on Facebook, we recommend a bit rate under 4Mbps.

RTSP and RTMP

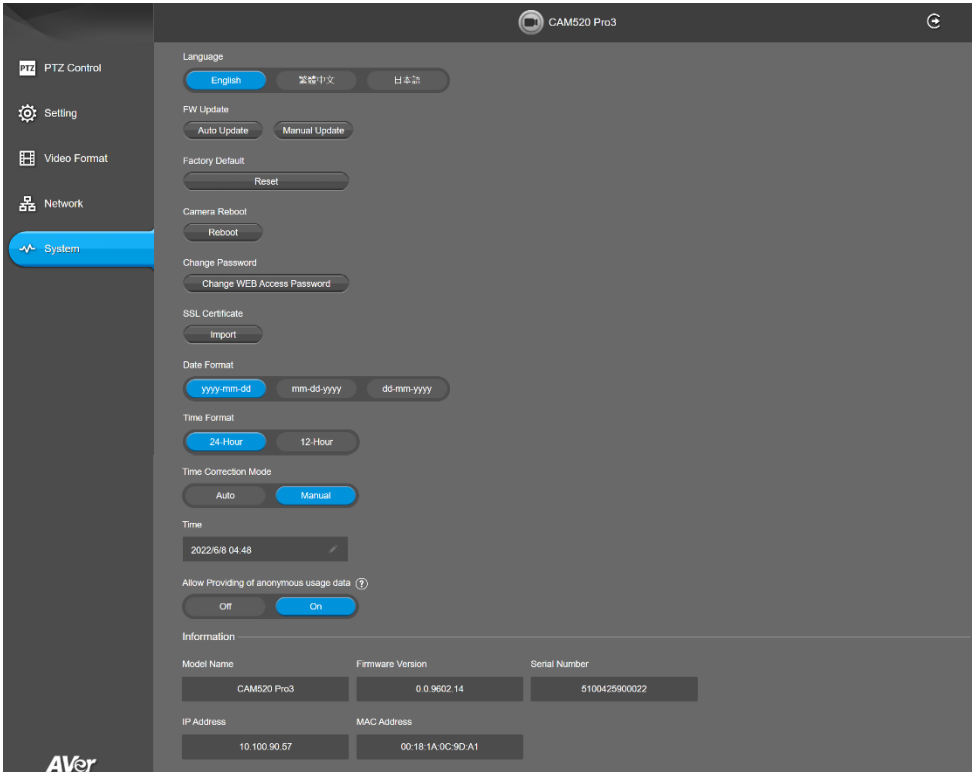
Item		Description
RTSP	Video Format	Select a video format.
	Require Password	Turn Require Password on or off.
	Set RTSP Access Password	Set or change an RTSP access password.
	RTSP URL Address	Displays RTSP URL address.
RTMP	Server URL	Copy and paste your video platform's server URL and stream key.
	Stream Key	
	Start Using RTMP	Click **Start** to start streaming, **Stop** to stop streaming.

Network



Item	Description
Hostname	Click the pencil icon to edit a hostname. Use upper and lowercase letters and numbers.
Static IP, DHCP	Set up static IP or DHCP. If **Static IP** is selected, enter your network settings to set up a static IP connection and click **Confirm**.

System



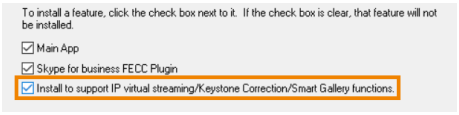
Item	Description
Language	Select a language for the web interface.
Firmware Update	Update your camera's firmware. ● **Auto Update:** Checks and updates online. ● **Manual Update:** Update the firmware using a file offline. **Note:** The camera will reboot and the connection will be lost. Please wait a few minutes and keep the power cable connected. Unplugging the cable during this process may damage the device.
Factory Default	Reset your camera to factory default settings. You can choose to keep the IP address by selecting the checkmark. ● If you forgot your password, use PTZApp 2 to reset the web interface password to the default **aver4321**.
Camera Reboot	Reboot the camera.
Change Password	Change the web interface password. ● Use 6-10 characters, upper and lowercase letters, numbers and special characters (* ! % + = , - _ ^ / @ . ~).

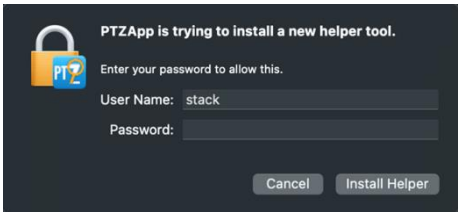
	• If you forgot your password, use PTZApp 2 to reset the web interface password to the default **aver4321**.
SSL Certificate	Upload an SSL certificate.
Date Format	Select a date format.
Time Format	Select a time format.
Time Correction Mode	Select a time correction mode. • **Auto:** Enter your Network Time Protocol (NTP) server URL to synchronize the clock. The default NTP server is located in the US. • **Manual:** Click the pencil icon to set up the clock.
Allow Providing of Anonymous Usage Data	Opt-in or opt-out of providing usage data.
Information	Displays your camera information such as IP address.

PTZApp 2

Install PTZApp 2

1. Download PTZApp 2 to your computer from the official website (https://communication.aver.com/model/ptzapp2) or AVer Download Center. (https://www.aver.com/download-center).
2. Double-click the downloaded .exe file.
3. Follow the instructions displayed on the setup wizard to install PTZApp 2.
4. You'll be prompted to install plug-ins for additional features.
   Besides **Main App**, also select **Install to support IP virtual streaming…** on Windows or authorize with your username and password on Mac.

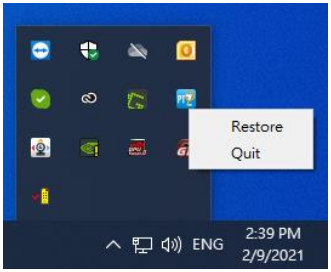




Windows Mac

Open and Quit PTZApp 2

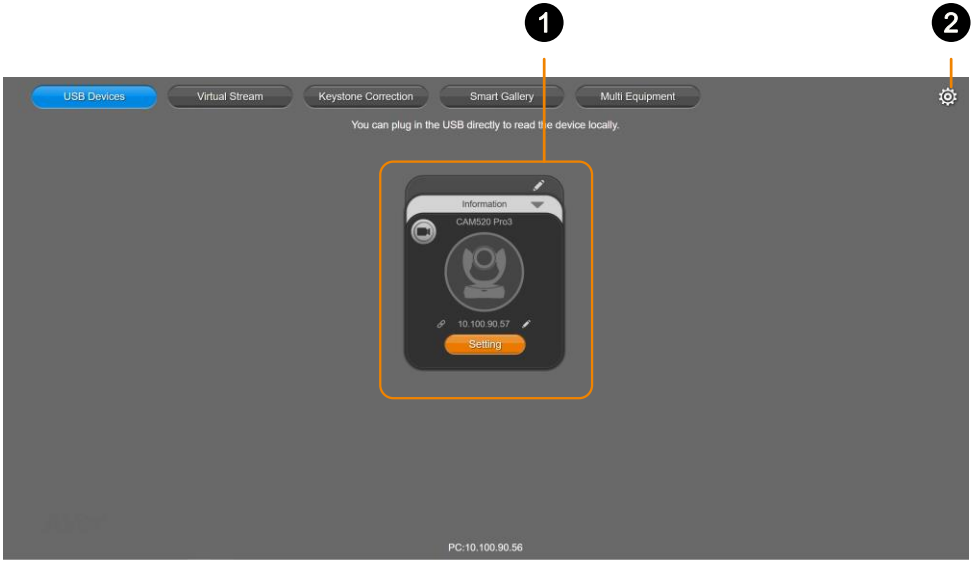
1. Double-click the PTZApp 2 icon to open PTZApp 2 in your browser.
2. Connect your AVer camera to your computer with a USB cable. When PTZApp 2 detects a USB-connected camera, a camera card will appear under USB Devices.
3. Click **Setting** on your camera card for pan, tilt and zoom controls, presets, and advanced settings.
4. To quit PTZApp 2, click the **Show Hidden Icons** arrow on the taskbar, right-click the PTZApp 2 icon , and select **Quit**.
5. If you can't open PTZApp 2 after installation, click the **Show Hidden Icons** arrow on the taskbar, right-click the PTZApp 2 icon , and select **Restore**.



USB Devices

PTZApp 2 opens to USB Devices page. When a USB-connected camera is detected, a camera card will appear here.

Overview of the USB Devices page



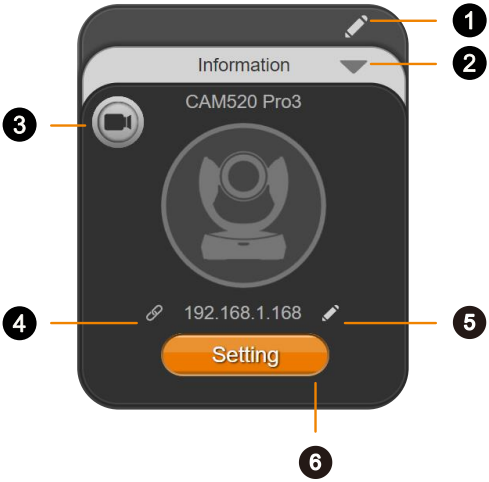
1. Camera Card

Represents a detected USB-connected AVer camera.

2. Settings

Item	Description
Language	Change the PTZApp 2 interface language to English, Chinese or Japanese.
Hotkey Control	Turn hotkey on or off.
PTZApp Update	View PTZApp 2 version or check for updates.
Usage Data	Opt-in or opt-out of providing anonymous usage data.
EZManager Pair	Pair with EZManager to manage all your USB-connected AVer cameras.

Overview of the Camera Card



1. Name

Click the **pencil** icon to name your camera.

2. Information

Click the **triangle** icon to view camera information such as firmware version. Click again to exit.

3. Live View

Click the **video recorder** icon to open a floating live view.

4. Web Interface

Click the **hyperlink** icon to access your camera's web interface via IP connection on your browser.

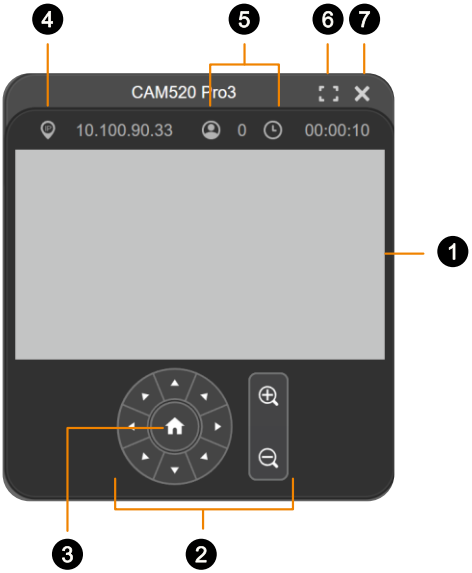
5. Edit IP Address

Click the **pencil** icon to switch between static IP and DHCP connection. The default static IP address is **192.168.1.168**.

6. Setting

Click the **Setting** button for pan-tilt-zoom controls, presets, and advanced settings.

Overview of the Floating Live View



1. **Live View**

2. **Directional Pad and Zoom**

3. **Pan-Tilt Reset**

Reset the pan-tilt position to the center.

4. **IP Address**

5. **Head Count and Video Transmission Duration**

Click the **head count** icon to display head count and the duration of your video transmission. Click the icon again to hide the information.

6. **Full Screen**

Click the **full screen** icon to expand the live view in full screen. Click the icon or press **Esc** on your keyboard to exit full screen.

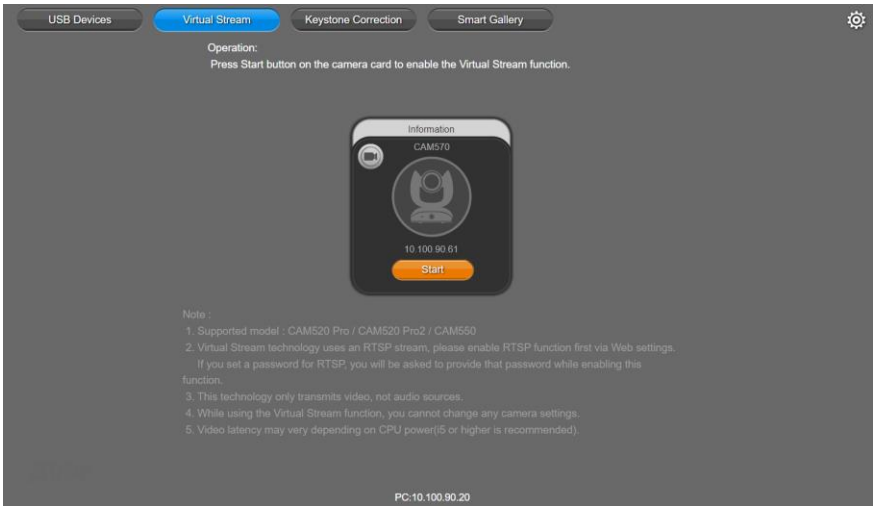
7. **Close**

Click the **X** icon to close the floating live view and stop transmitting video.

Virtual Stream

Virtual Stream allows you to send camera video over IP networks to video conferencing software such as Teams, Skype and Zoom.

- Video latency may vary depending on your CPU. We recommend Intel Core i5 or higher.
- Video Stream transmits video only.



To start a virtual stream:

1. Make sure your camera and computer running the video conferencing software are connected to the same network.
2. Make sure you have enabled your camera's RTSP setting on its web interface.
3. Go to **Virtual Stream** > click **Start** on your camera card.
4. Enter the RTSP password when prompted, if any.
5. Open your video conferencing software. Choose **AVer USB VCam** as the video source, not your camera model name.
6. For pan, tilt and zoom controls, use a remote control or VISCA commands.

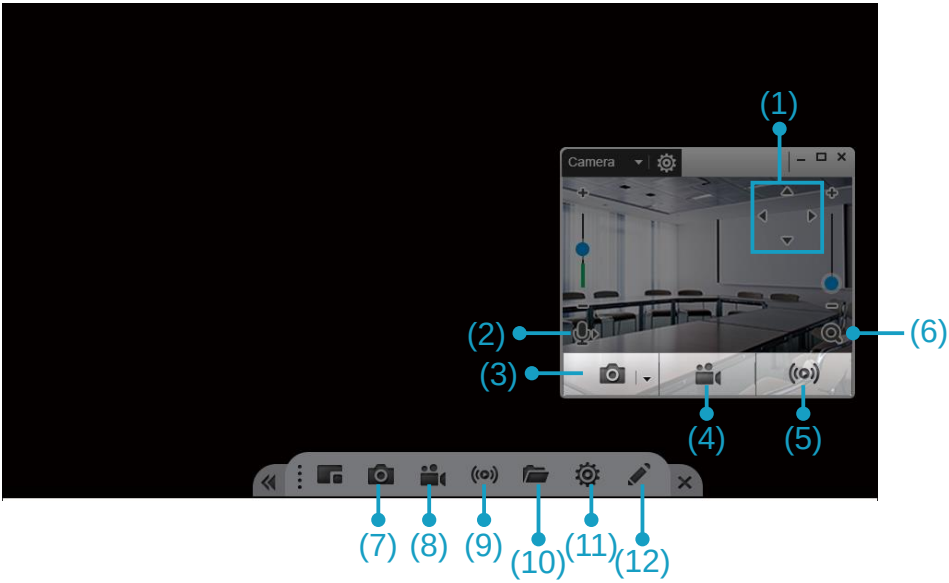
To stop a virtual stream:

Click **Stop** on your camera card.

EZLive

Please go to http://www.aver.com/download-center to download the AVer EZLive software. After downloading, double-click on the file and follow the on-screen instructions to complete the installation.

Use AVer EZLive

During a video call, EZLive can help user to do:

(1) Camera ePTZ
(2) Volume control for the speaker connected
(3) Capture camera's still images
(4) Record video
(5) Live stream to Youtube, Livehouse.in, USTREAM…etc.
(6) Camera Zoom in/out
(7) Capture PC screen shot
(8) Record PC screen video
(9) Set up livestream
(10) Open file management to retrieve photos and video files
(11) Livestream setting
(12) Drawing tool