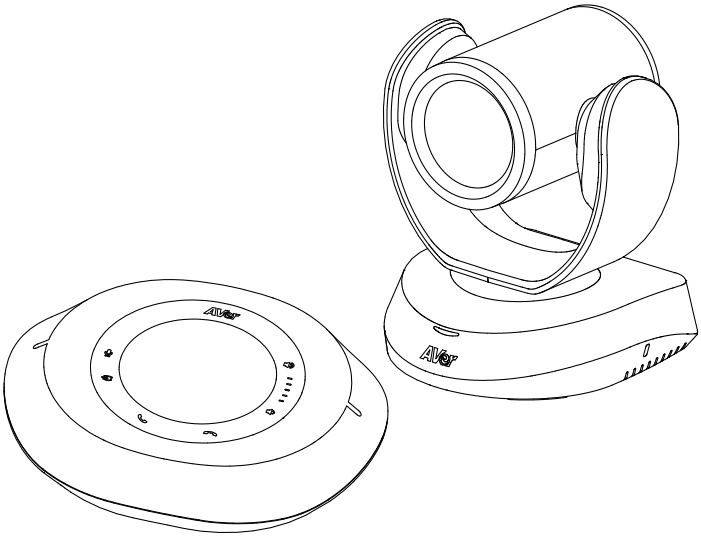


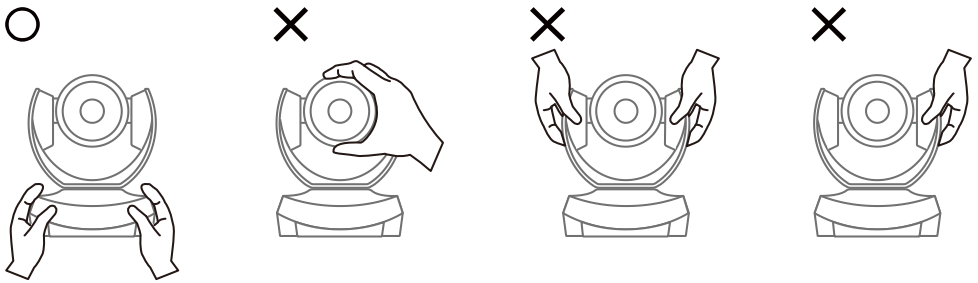
VC520 Pro3

Video Conference System

— User Manual —

Firmware 0.0.9806.06

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.

PSTI Statement of Compliance

Please refer to the following website: https://www.aver.com/product-security-advisory

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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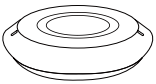
EZLive 44

Overview

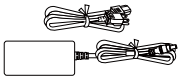
Package Contents



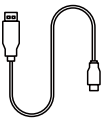
Camera



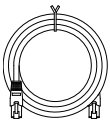
Main Speakerphone



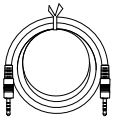
Power Adapter & Power Cord



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



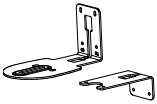
Camera-to-Speakerphone Cable (10 m)



3.5 mm Audio Cable (0.9 m)



Remote Control



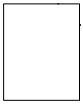
Wall Mount Bracket (x2)



M4 x 8 mm Screw (x2)

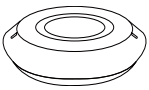


1/4"-20 L=7.5 mm Screw (x2)



Drill Template

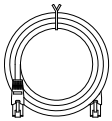
Optional Accessories



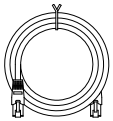
Expansion Speakerphone



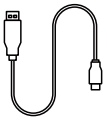
Expansion Microphone



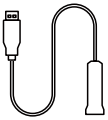
Camera-to-Speakerphone Cable (20 m)



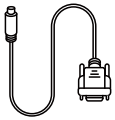
Expansion Speakerphone/ Microphone Cable (5 / 10 / 20 m)



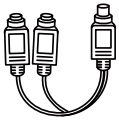
USB 3.1 Type-B to Type-A Cable (3 m)



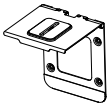
USB 3.1 Fiber Extender (10 m)



Mini Din 9 to D-SUB9 RS-232 Adapter



Mini Din 9 to Mini DIN8 RS-232 Adapter



Foldable TV Mount

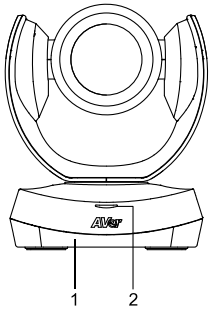


Ceiling Mount

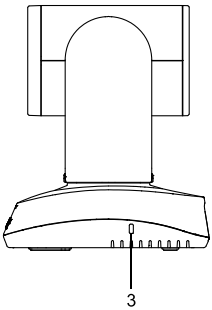
***** For details on optional accessories, consult your local dealer.

Parts Info

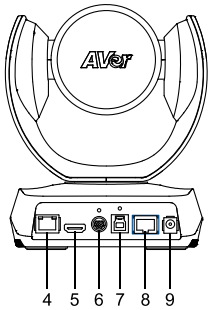
- **Camera**



1. IR Sensor
2. LED Indicator

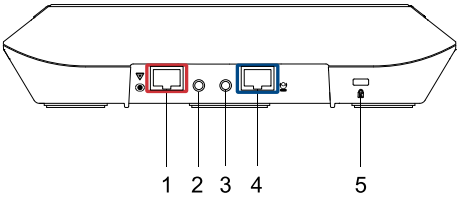


3. Kensington Lock

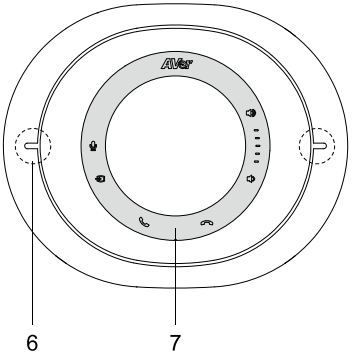


4. Ethernet Port
5. HDMI® Out Port
6. RS-232 In/Out Port
7. USB 3.1 Type-B Port
8. Speakerphone Port (blue)
9. DC Power Jack

- **Main Speakerphone**



1. Expansion Port (red)
2. Phone In Port
3. Line Out Port
4. Camera Port (blue)
5. Kensington Lock



6. LED Indicators
7. Control Panel

   Tap the icons to:

   - *Mute, unmute microphone*
   - *Turn phone in on or off*
   - *Answer call*
   - *End call*
   - *Volume down, tap and hold to mute speaker*
   - *Volume up, tap to unmute speaker*

LED Indicators

- **Camera**

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

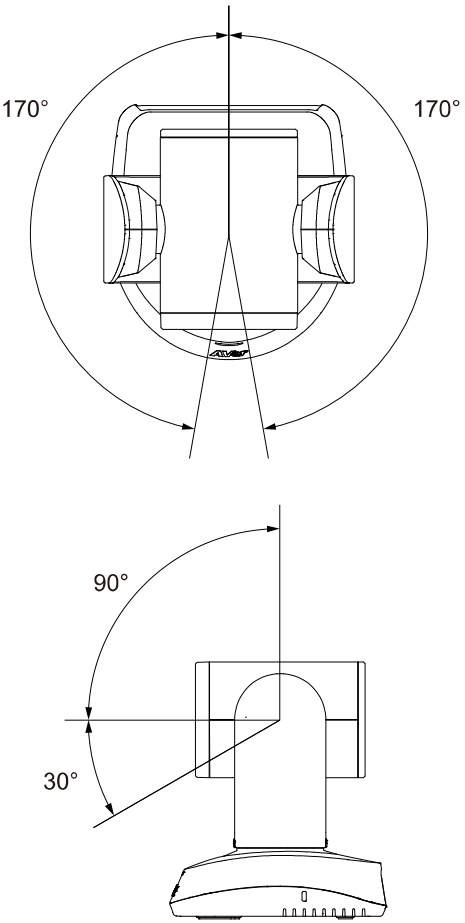
- **Main Speakerphone**

Color	Status
Solid blue	Normal
Solid orange	Standby
Solid red	Microphone muted
No light	Power off

- **Control Panel**

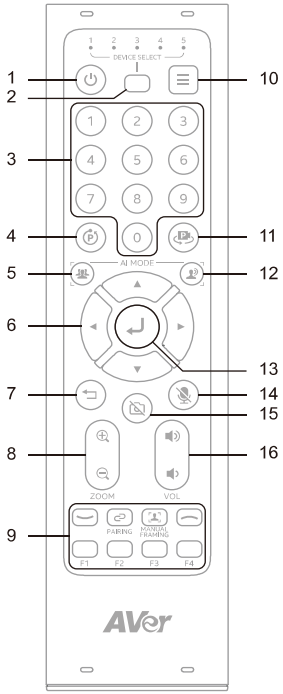
Color		Status
	Solid blue	Unmuted
	Solid red	Muted
	Solid blue	Phone in on
	Solid white	Phone in off
	No light	Not connected to audio cable
	Solid white	Unmuted
	Solid red	Muted

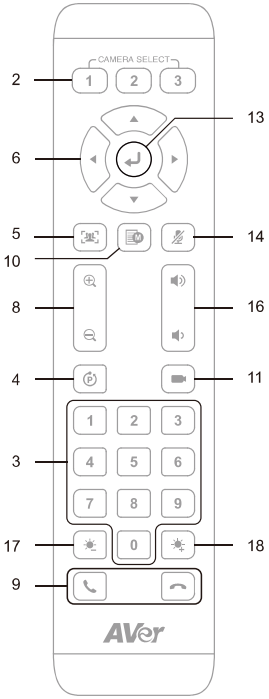
Pan and Tilt Angle



Remote Control

Your device may come with one of the following remote controls.





Name	Function
1. Power	N/A
2. Camera Select	No selection is required by default to operate the camera. ● To assign a number to a camera, go to **Setting** > **Camera Binding** on the web interface or in **Room Management**.
3. Number Buttons 4. Preset	● To save a preset: Press and hold **Preset** until save message appears on screen, then press a **Number (0-9)**. ● To load a preset: Press and hold **Preset**, then press a **Number (0-9)**.
5. SmartFrame	Press to frame entire group on screen. Press and hold to cycle through tracking modes. ● To hide the SmartFrame icon, go to **Setting** > **On-Screen Menu** > **Off** on the web interface or in Room Management.
6. Pan-Tilt Control	Pan and tilt direction control.
7. Back	N/A

8. Zoom In/Out	Zoom in or out.
9. Function Buttons	• Call/Answer: Start or answer a call. • Pairing: Turn Bluetooth on or off. • Manual Framing: N/A • Hang Up: End call. • F2: Press and hold to switch between DHCP and Static IP. • F1, F3 and F4: N/A
10. Menu	Open or close the OSD menu during HDMI output.
11. Load Preset	With each press, cycle through defined presets.
12. Audio Tracking	Press and hold to cycle through audio tracking modes.
13. Enter	• Confirm a selection. • Display current AI function on closed caption.
14. Mute	N/A
15. Camera Off	N/A
16. Volume	Volume up or down.
17. Brightness -	Decrease the brightness.
18. Brightness +	Increase image brightness.

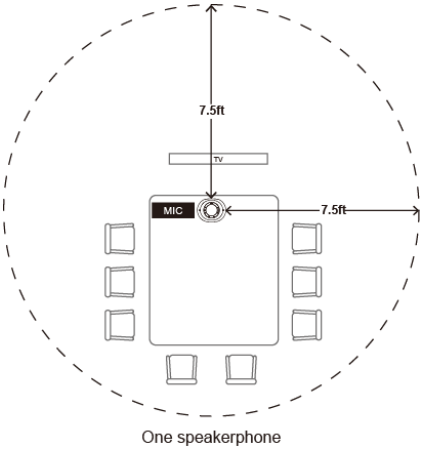
Shortcuts

Press and Hold	To
1 for 2 seconds	Turn wide dynamic range (WDR) on or off.
5 for 2 seconds	Turn SmartFrame on or off.
8 for 2 seconds	Turn RTMP streaming on or off when RTSP and RTMP are turned on.
9 for 2 seconds	Enter sleep mode or wake up. Unavailable when streaming via USB.
for 6 seconds	Reboot.

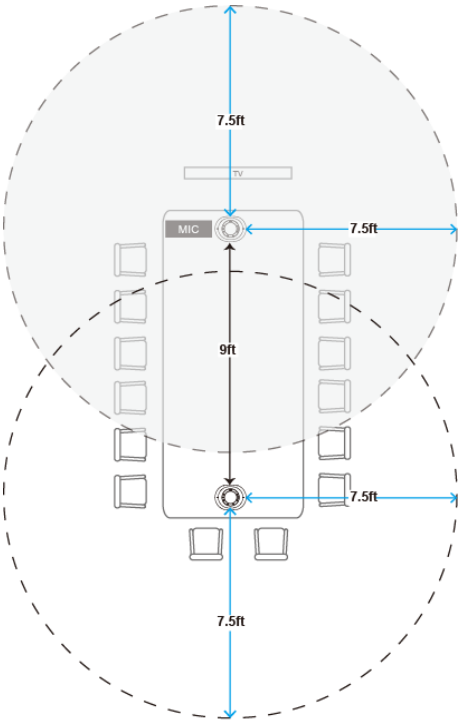
Installation

Audio Signal Receive Range

The best distance for the speakerphone to receive audio signal is within 7.5ft (2.3 m) in radius. When connecting two or more speakerphones, the distance between the speakerphones must be 9ft (2.7 m).



One speakerphone

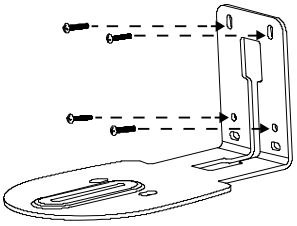


Two speakerphones

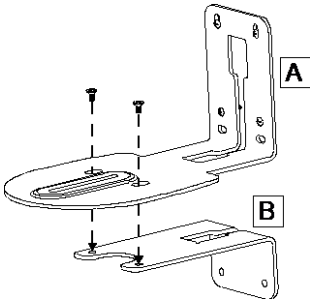
Wall Mount Installation

1. Use the drilling paper included in the package to drill holes on the place where you want to mount the camera.

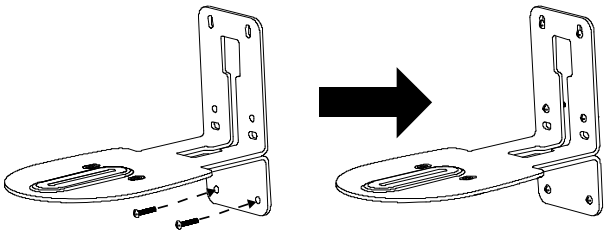
2. Use the screws (not included) to secure the L-mount bracket [A] on the wall.
   For Cement wall: M4 x20mm self-tapping screws (x4) + Plastic conical anchor
   For Wooden wall: M4 x20mm self-tapping screws (x4)



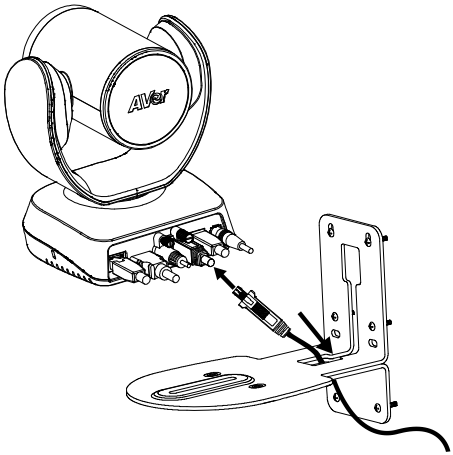
3. Then, assemble the L-mount brackets [A] + [B] with the included M4 x 8 mm screws (x2).



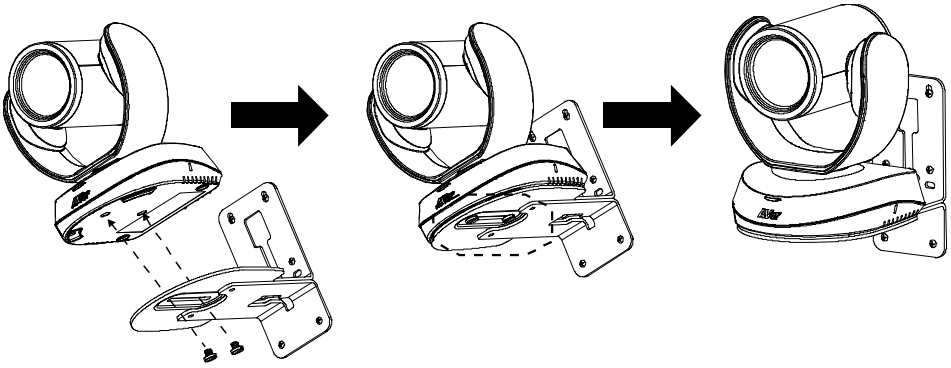
4. After assembling the L-mount brackets, use the screws (not included) to secure the L-mount bracket [B] on the wall.
   For Cement wall: M4 x20mm self-tapping screws (x2) + Plastic conical anchor
   For Wooden wall: M4 x20mm self-tapping screws (x2)



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



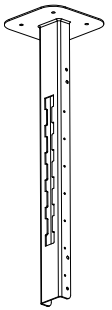
6. Use the included M4 x8mm screws (x2) to secure the camera on the L-mount brackets.

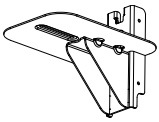


Ceiling Mount Installation (Optional)

Use the ceiling mount bracket to install the camera to the ceiling.

Package Content


Mount bracket x 1


Camera bracket x 1

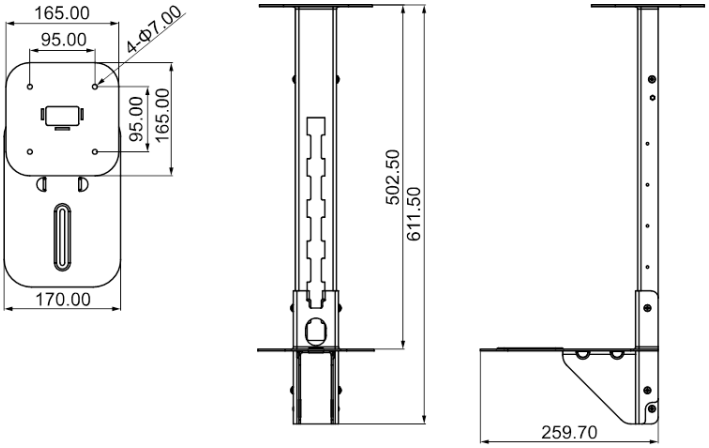

Back cover x 1


Screw (M4*8) x 8


Washer x 8

Dimension

Unit=mm



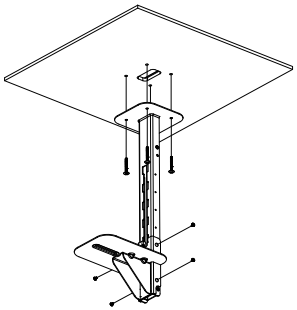
To mount the camera to the ceiling:

1. Drill the hole on the ceiling. Use screw to secure the mount bracket on the ceiling.

   Screw: 4 M6 x 50mm (Not included in package)

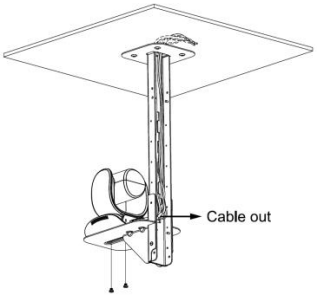
2. Use the supplied screws with washers to secure the camera bracket to the mount bracket.

   Screw: 4 M8 x 4 + 4 Washer



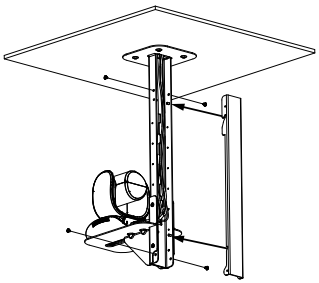
3. Connect all cables on the camera and pass all cables out through the hole on the mount bracket. Then, secure the camera on the camera bracket.

   Screw: 2 UNC-1/4"-20 (Not included in package)

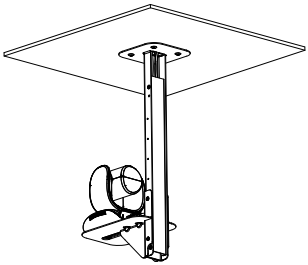


4. Organize all cables to go out from top or bottom of mount bracket.
5. Then, secure the back cover with screws and washer.

   Screw: 4 M8 x 4 + 4 Washer



6. Completed.



To mount the camera to the calcium silicate ceiling:

1. Please purchase support bracket for supporting camera mount bracket on calcium silicate ceiling. Then, secure the support bracket on the light steel frame structure.

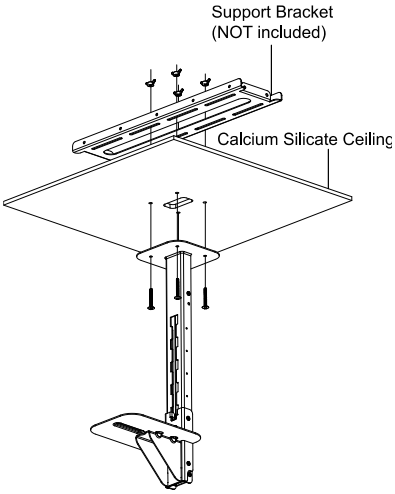
2. Drill the hole on the calcium silicate ceiling. Open a hole on the calcium silicate ceiling to allow camera cables to pass through.

3. Then, secure the mount bracket, calcium silicate ceiling and support bracket together.

   Screw: 4 Wingnut + 4 M6x50mm (Not included in package)

4. Use the supplied screws with washers to secure the camera bracket to the mount bracket.

   Screw: 4 M8 x 4 + 4 Washer

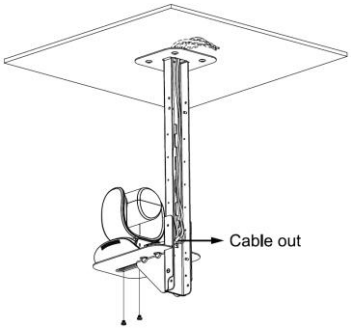


---

5. Connects all cables on the camera and pass all cables through the hole on the mount bracket. Organize all cables to pass through the hole on the ceiling. Also, the cable can go out from top or bottom of mount bracket.

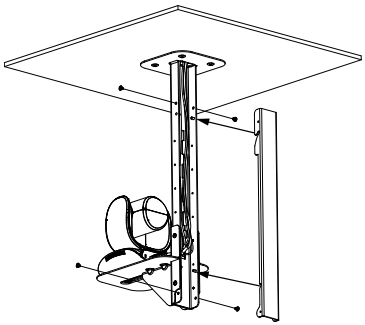
6. Then, secure the camera on the camera bracket.

   Screw: 2 UNC-1/4"-20 (Not included in package)

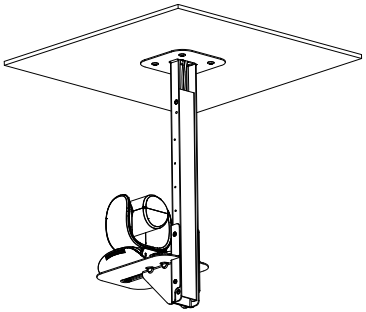


7. Next, secure the back cover with screws and washer.

   Screw: 4 M8 x 4 + 4 Washer



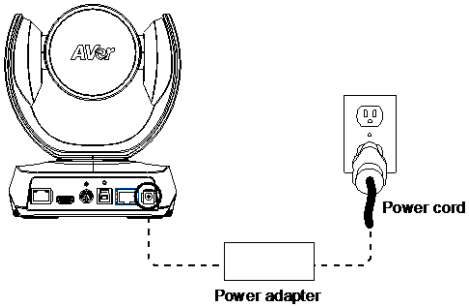
8. Completed.



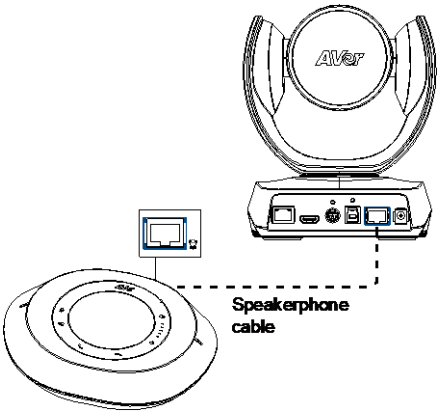
Connections

Device Connection

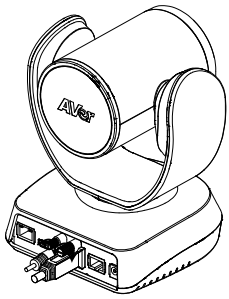
1. Connect the camera to the power outlet.



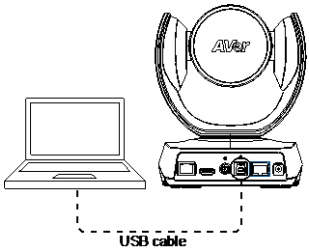
2. Connect the camera to the speakerphone with the included compatible cable.



3. Connect other necessary cables.
   Secure the USB and RS-232 cables with attached screws. (RS-232 cable is an optional accessory; please purchase from AVer.)
   Make sure the cables are well connected to the connector on the camera before securing the cable.



4. Connect the camera to the computer/laptop using the included compatible cable.



Note:

- Use the USB 2.0 cable included in the package.
- **VC520 Pro3** has the USB 3.1 port which is USB 2.0 compatible.

Maximum resolution/fps for USB 2.0 and USB 3.1 ports are shown below.

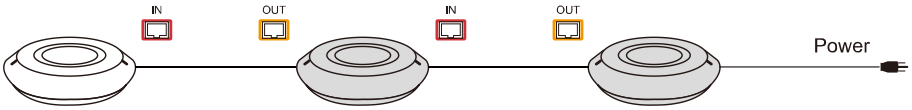
	M-JPEG/fps	YUV/fps
USB 2.0	1080@60 fps	720p@10 fps 480p@30 fps
USB 3.1	1080p@60 fps	1080p@30 fps

Expansion Speakerphone or Expansion Microphone Connection

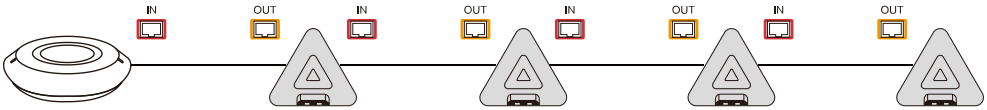
The main speakerphone (firmware version 9800.08 or later) can daisy-chain up to 2 expansion speakerphones or 4 expansion microphones.

Note:

- When you daisy-chain, the total cable length must be shorter than 40 m. If the total cable length is longer than 20 m, connect the expansion speakerphones to a power source.
- The expansion microphone can't be used alone.



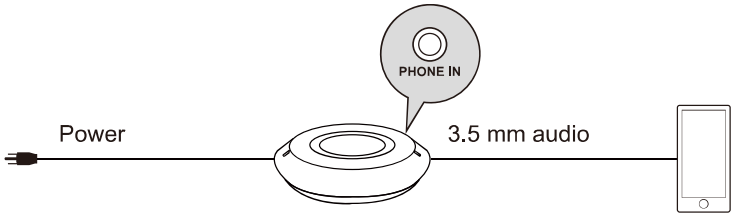
VC520 Pro3



VC520 Pro3

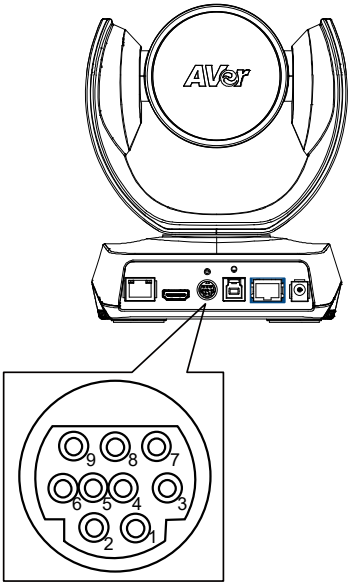
Phone Connection

1. Connect a mobile phone to the main speakerphone with the 3.5 mm audio cable.
2. Tap the **phone in** icon to turn off phone in (solid white light), and tap again to turn on phone in (solid blue light).
3. When you unplug the audio cable, the indicator will go off.



RS-232 Connection

Camera RS-232 Port Pin Definition

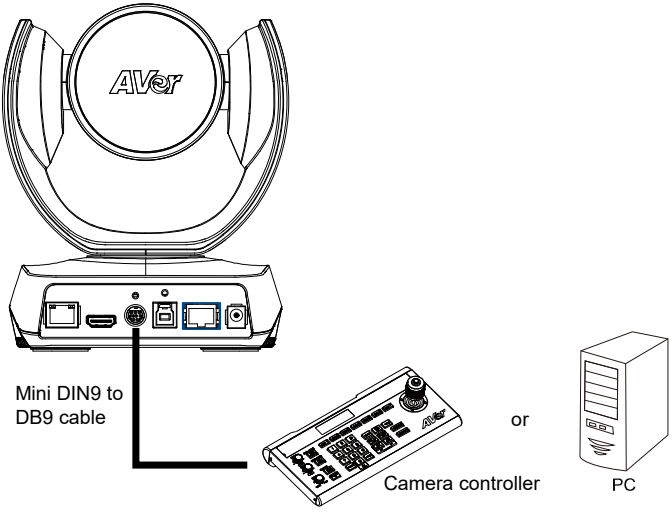


Function	Mini DIN9 PIN #	I/O Type	Signal	Description
VISCA IN	1	Output	DTR	Data Terminal Ready
	2	Input	DSR	Data Set Ready
	3	Output	TXD	Transmit Data
	6	Input	RXD	Receiver Data
VISCA OUT	7	Output	DTR	Data Terminal Ready
	4	Input	DSR	Data Set Ready
	8	Output	TXD	Transmit Data
	9	Input	RXD	Receiver Data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

Computer/Keyboard Controller and Camera Connection

Direct Connection

If you do not have an AVer RS-232 adapter cable, please refer to the pin connection shown below.



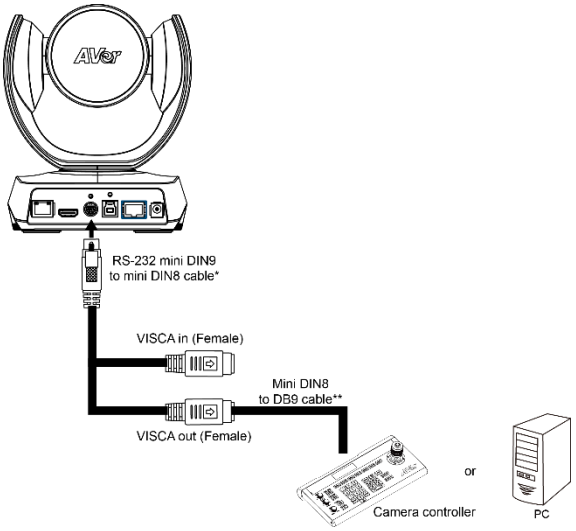
Camera (Mini DIN9)	Camera controller or PC (DB9)
1. DTR (IN)	1. DCD
2. DSR (IN)	2. RXD
3. TXD (IN)	3. TXD
6. RXD (IN)	4. DTR
7. DTR (OUT)	5. GND
4. DSR (OUT)	6. DSR
8. TXD (OUT)	7. RTS
9. RXD (OUT)	8. CTX
	9. RI

Use the RS-232 mini DIN9 to mini DIN8 cable (Sold separately. Please purchase from AVer.).

You can purchase AVer RS-232 min DIN9 to mini DIN8 adapter cable* to connect with Computer or keyboard/controller.

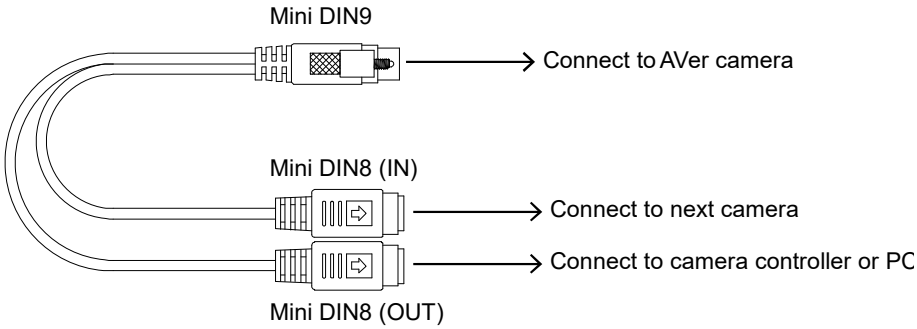
[Notes]

- RS-232 mini DIN9 to mini DIN8 cable (PN: 064AOTHERCDC)
- Mini DIN8 to D-Sub9 (DB9) cable (PN: 064AOTHERBPK) is an optional item.

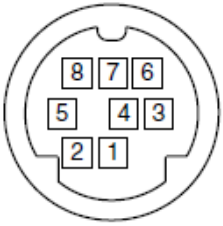


Camera controller or PC (DB9)		Camera (Mini DIN8)
1. DCD		1. DTR (IN)
2. RXD		2. DSR (IN)
3. TXD		3. TXD (IN)
4. DTR		4. GND (IN)
5. GND		5. RXD (IN)
6. DSR		6. GND (IN)
7. RTS		
8. CTX		1. DTR (OUT)
9. RI		2. DSR (OUT)
		3. TXD (OUT)
		4. GND (OUT)
		5. RXD (OUT)
		6. GND (OUT)

RS-232 mini DIN9 to mini DIN8 Cable Pin Definition



Mini DIN8 Pin Definition



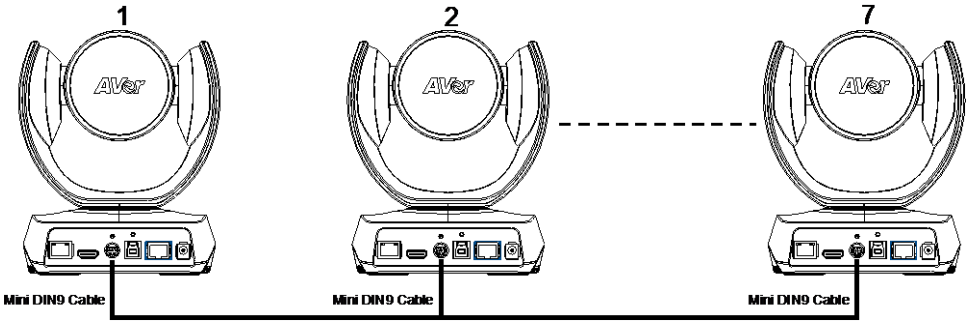
No.	Pin
1	DTR
2	DSR
3	TXD
4	GND
5	RXD
6	GND
7	NC
8	NC

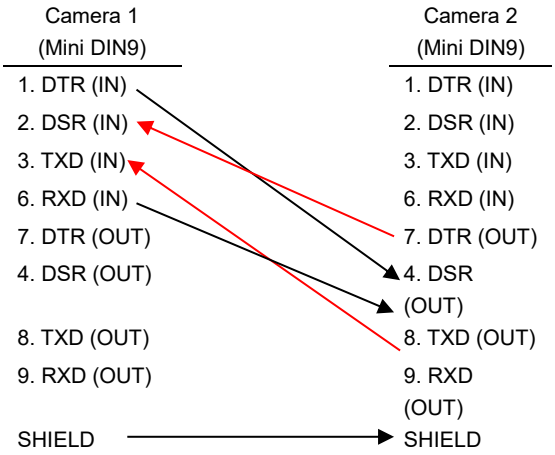
Camera Cascade Connection

Direct Connection

If you don't have an AVer RS-232 adaptor cable, please refer to the pin connection shown below for cascading cameras.

You can connect up to 7 cameras.

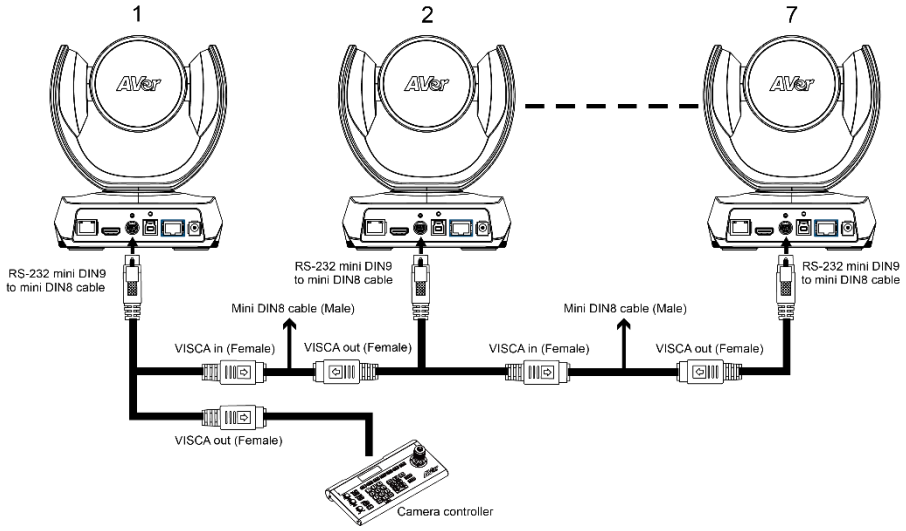




Use the RS-232 mini DIN9 to mini DIN8 cable

You can connect up to 7 cameras.

To facilitate cascade connection, you can purchase an AVer RS-232 adapter cable.
Connect camera with AVer mini DIN9 to mini DIN8 adapter cable. Connect the mini DIN8 female side to male mini DIN8 Visca cable (Users have to buy it in the market) and then connect AVer mini DIN9 to mini DIN8 adapter cable again to connect to next camera.



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

Get Started

Make a Video Call

The VC520 Pro3 is a plug-n-play device. Open your video conferencing software and select the VC520 Pro3 for **Audio** and **Video**.

Access the Web Interface

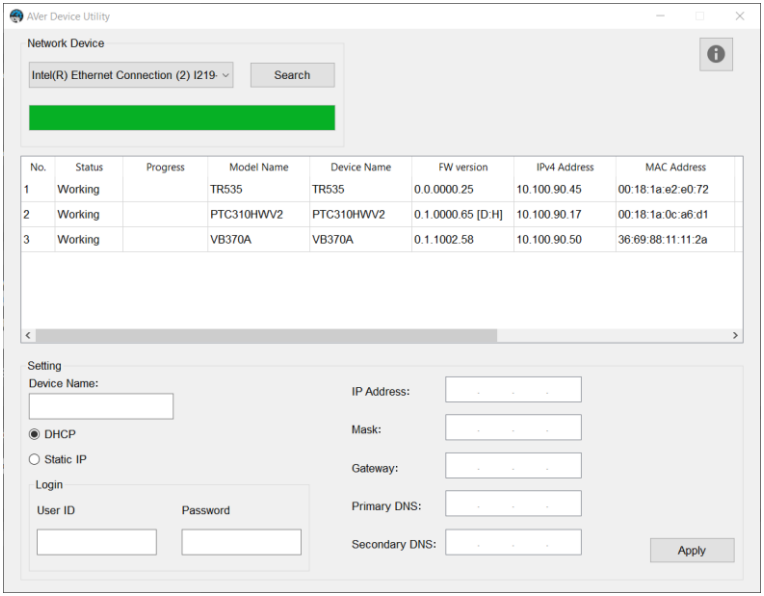
To access the web interface of your device, you can use any of the following software to find its IP address:

- AVer Device Utility
- Room Management

Note:

- The device's default network is DHCP.
- The device's default username/password is **admin**/**aver4321**.

AVer Device Utility



To access the web interface:

1. Download and install AVer Device Utility to your computer from AVer Download Center (https://www.aver.com/download-center) and launch the software.

2. Click **Search** to see available devices on the same local area network (LAN).

   Note:
   - Make sure your device is connected to the internet.
   - AVer Device Utility and your device must be on the same LAN.

3. Double-click on your device's IP address in the **IPv4 Address** column to open the web interface in your browser.

To change the network setting to DHCP or static IP:

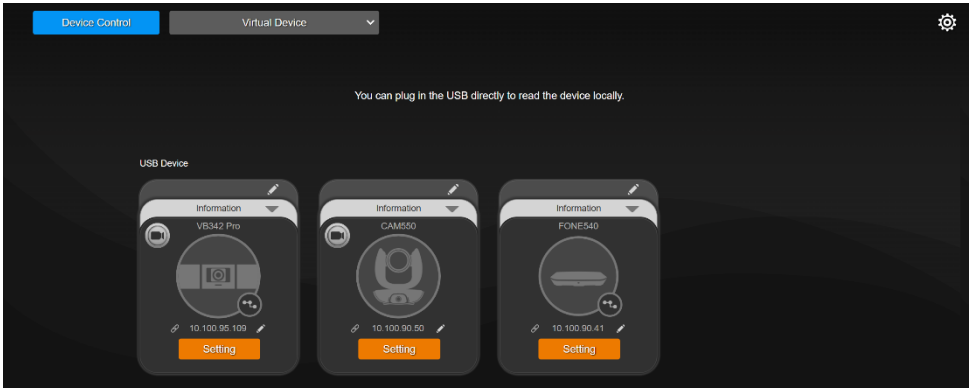
1. Select the checkbox of your device.

2. Enter the default or changed password in the **Login** field.

3. Select **DHCP** or **Static IP**, then enter your network settings if applicable in the **Settings** section.

4. Click **Apply**.

Room Management



To access the web interface:

1. Download and install Room Management (formerly PTZApp 2) to your computer from AVer Download Center. (https://www.aver.com/download-center) and launch the software.

   Note:
   - Make sure your device is connected to the internet.
   - Room Management and your device must be on the same LAN.

2. Connect your device to your computer with the included USB cable. You device should appear under the **Device Control** page.

3. Click the **hyperlink** icon on the device card to open the web interface in your browser.

To change the network setting to DHCP or static IP:

1. Click the **pencil** icon on the device card.

2. Select **DHCP** or **Static IP**, then enter your network settings if applicable.

3. Click **Confirm**.

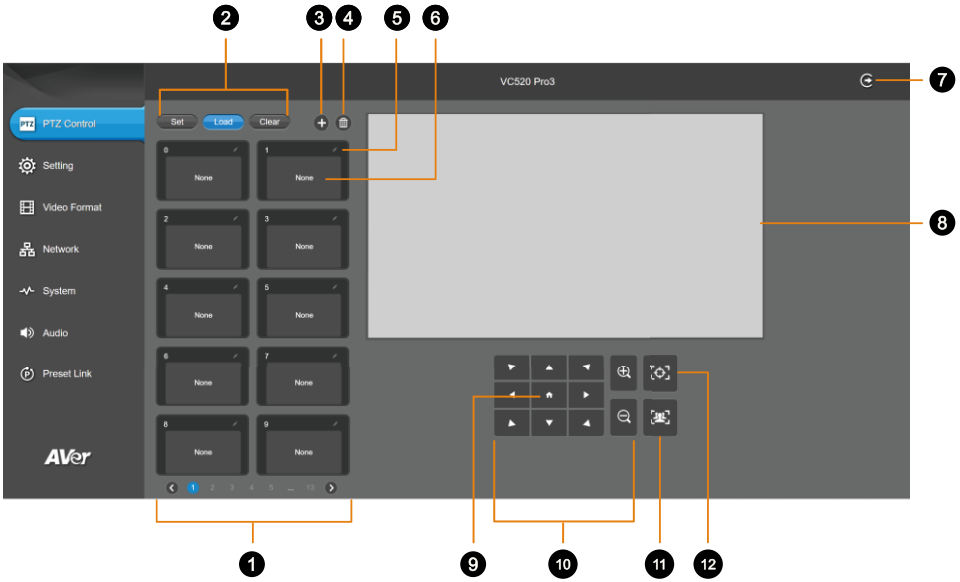
Log In for the First Time

When you log in for the first time, enter the default password **aver4321**. You will be prompted to change the username and password. The username and password cannot be the same.

- Username: Use 1-32 characters.
- Password: Use 8-32 characters and a combination of uppercase letters, lowercase letters, numbers, and symbols (!$%'()*+,-./<=>?@[\]^_{}~).

Web Interface

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 the 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.

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:

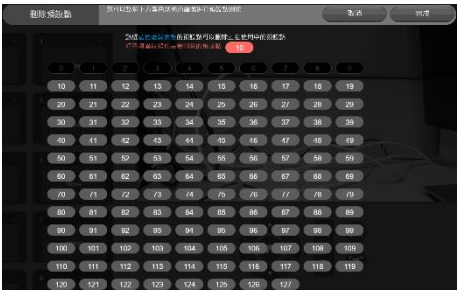
1. Use the pan, tilt and zoom controls to position your camera.
2. Select **Set**, then a preset number to save that position.
3. Select **Yes** when prompted. A thumbnail of your preset will appear.

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

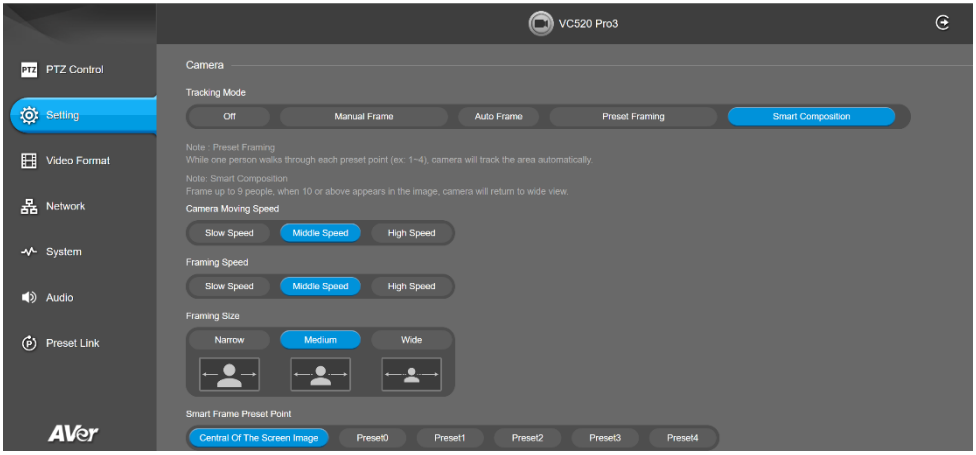
To add an available presets:

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

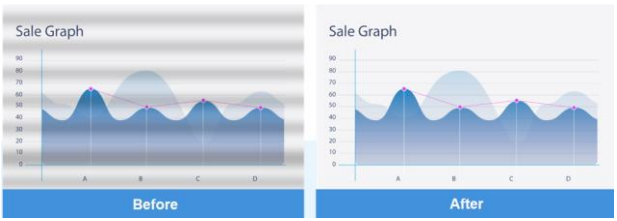


Camera

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.
USB Bandwidth Reduction	Turn on to improve device compatibility by automatically adjusting settings.

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 White Balance (AWB): Adjust the white balance automatically. ● Auto Tracking White Balance (ATW): Detect ambient lighting and adjust the white balance dynamically.
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.

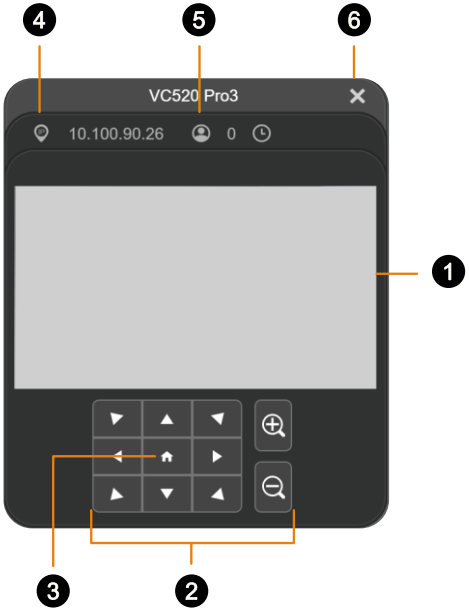
Enlarge Total Zoom Up to 36x	Enable or disable Enlarge Total Zoom Up to 36x. The default is 24X.
Video Frame Rate	Select a video frame rate.

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**, **Video Format**, **Network** and **System** tabs.
- 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 entire group on screen once.
Press the **SmartFrame** button on the remote control.

Auto Frame



Frames entire group on screen automatically.
The starting point is preset 0. If no one is on screen, the camera defaults to preset 0.

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

Preset Framing



Frames the presenter as they move using presets.
If no one is within a preset, the camera frames entire group on screen.

- Make sure you have defined overlapping presets for a smooth transition. Presets 1-9 are available.
- When multiple presenters are within presets, the preset with the smaller number takes priority.

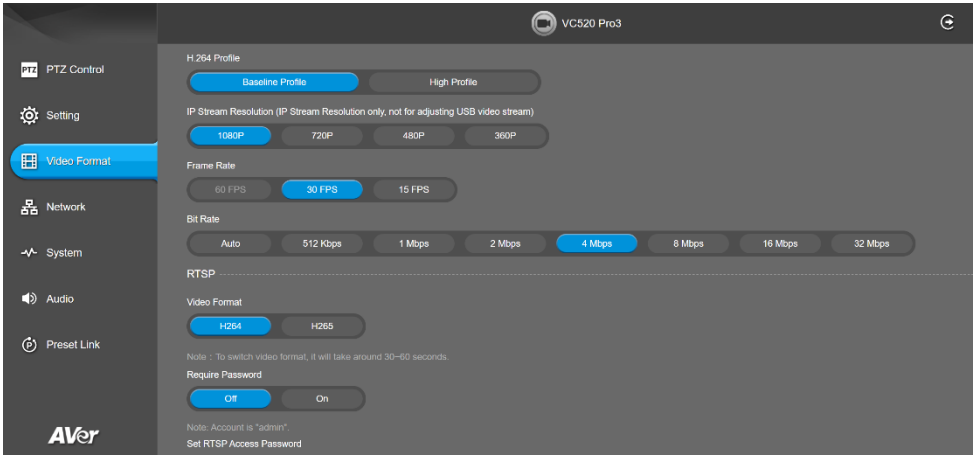
Smart Composition



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 on screen, the camera frames entire group on screen.
- You can set a detection area for Smart Composition in the **Setting** tab > **SmartFrame Preset Point**.

Video Format

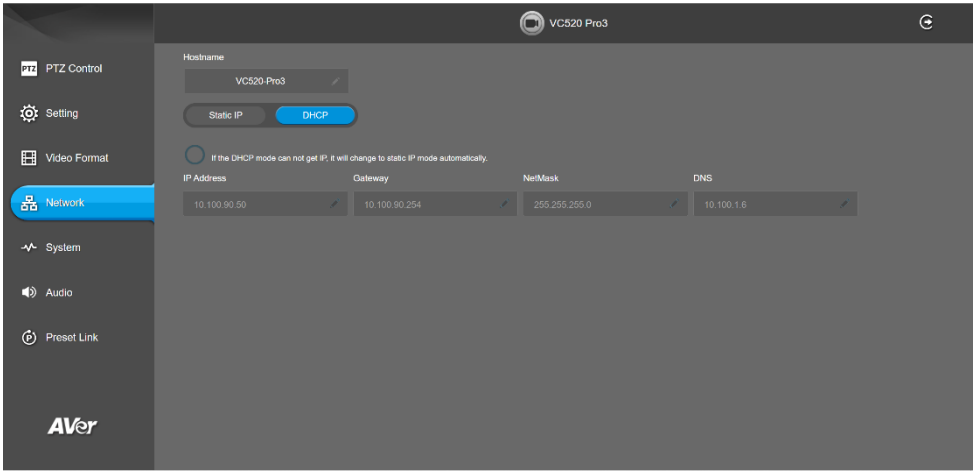


Item	Description
H.264 Profile	Select a profile for streaming live.
IP Stream Resolution	Select a resolution for streaming over IP.
Frame Rate	Select a frame rate.
Bit Rate	Select a bit rate. ● To live stream on Facebook, we recommend a bit rate under 4Mbps.

RTSP and RTMP

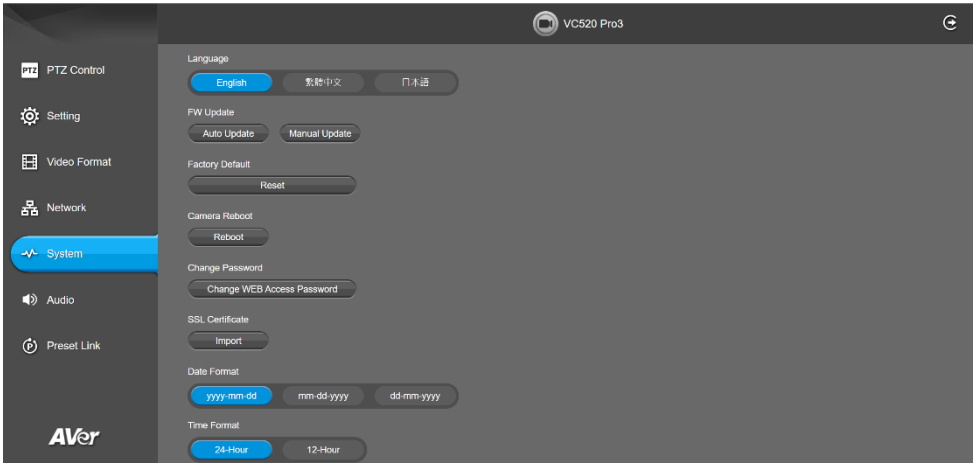
Item		Description
RTSP	Video Format	Select a video format.
	Require Password	Turn Require Password on or off.
	Set RTSP Access Password	Set or change an RTSP access password.
	RTSP URL Address	Displays RTSP URL address.
RTMP	Server URL	Copy and paste your video platform's server URL and stream key.
	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 the network setting to Static IP or DHCP. ● DHCP (default): Check the circle below to automatically switch to Static IP if no IP is assigned. Leave it unchecked to stay in DHCP. ● Static IP: Enter your network settings to set up a static IP connection and click **Confirm**.

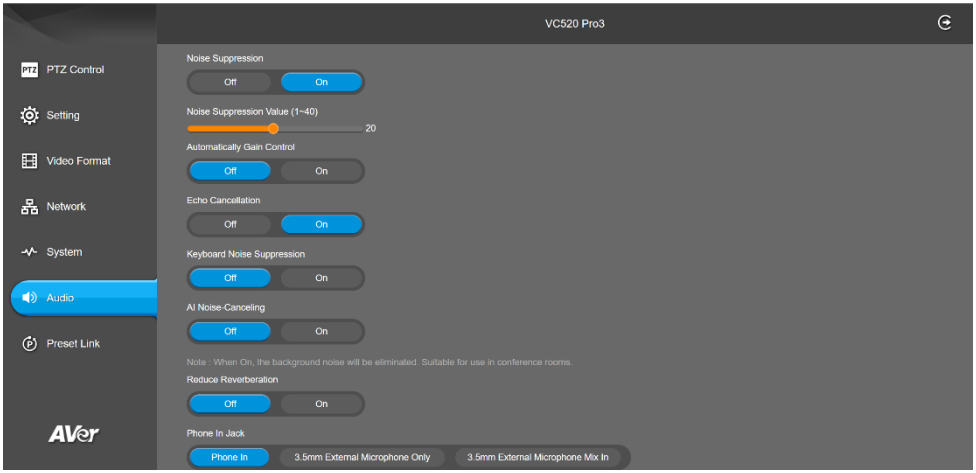
System



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 Room Management to reset the web interface password to the default **aver4321**.
Camera Reboot	Reboot the camera.
Regular Reboot	Schedule regular reboots to clear RAM and maintain smooth performance. Reboots occur only when no video is streaming. ● Next Reboot Time: Click the pencil icon to enter a specific reboot time. When finished, click **Confirm**. ● Re-Occur: Select the reboot frequency from the drop-down list. The default setting is to reboot every 3 days.
Supports Schedule Reboot when connected to HDMI	Turn on to enable scheduled reboots when streaming via HDMI.
Change Password	Change the web interface password.

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.

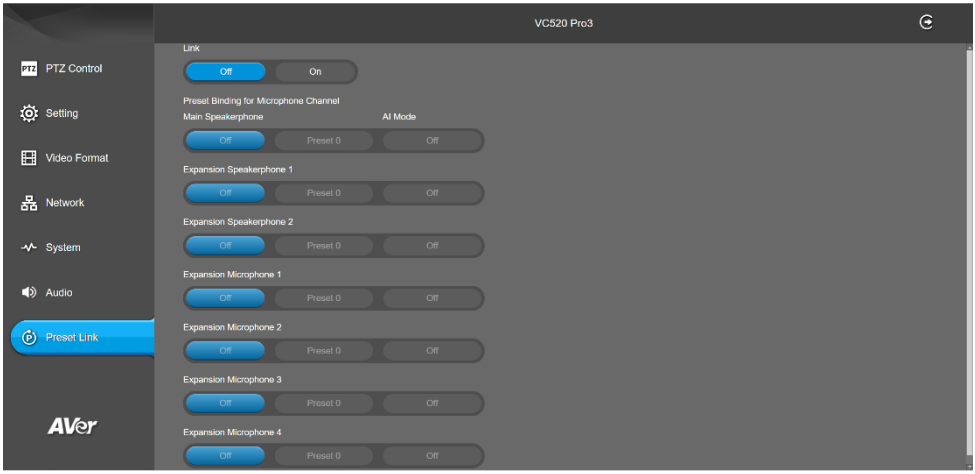
Audio



Item	Description
Nosie Suppression	Reduce ambient noise. Adjust the noise suppression value by dragging the slider.
Automatically Gain Control	Turn automatic gain control on or off.
Echo Cancellation	Reduce echoes.
Keyboard Noise Suppression	Reduce keyboard noise.
AI Noise-Canceling	Reduce the sound of crying babies or barking dogs.
Reduce Reverberation	Reduce reverberation within a room.
Phone In Jack	Select an option based on the device connected to the phone in port and use case: ● Phone In: Connect a smartphone to communicate with remote participants. ● 3.5 mm Microphone Only: Use only your connected external microphones as the audio source. ● 3.5 mm Microphone Mix In: Use both the VC520 Pro3 speakerphone and your connected external microphones as audio source.
HDMI Audio	Select an audio source for the HDMI device. ● Off: Disable audio. ● Local Mic: Use the speakerphone's microphone as the audio source. Suitable for lecture capture. ● Remote Sound: Use the speakerphone's speaker as the audio source. Use this if the VC520 Pro3 camera is connected to the HDMI device to reduce echo. ● Local Mic + Remote: Use both the speakerphone's

	microphone and speaker as the audio source. Suitable for capturing audio from both online and offline meeting participants.
HDMI Output Sync	This is available when **HDMI Audio** is set to **Remote Sound**. ● Auto (default): Automatically sync the speakers on both the speakerphone and the HDMI device ● Manual: Select **Manual** and drag the slider to sync the speakers on both the speakerphone and the HDMI device.
RTSP/RTMP Audio	Select an audio source over RTSP/RTMP. ● Off: Disable audio. ● Local Mic: Use the speakerphone's microphone as the audio source. ● Remote Sound: Use the speakerphone's speaker as the audio source. ● Local Mic + Remote: Use both the speakerphone's microphone and speaker as the audio source.

Preset Link



Frame the active talker with voice-tracking functionality by linking presets with the main speakerphone, expansion speakerphones or expansion microphones.

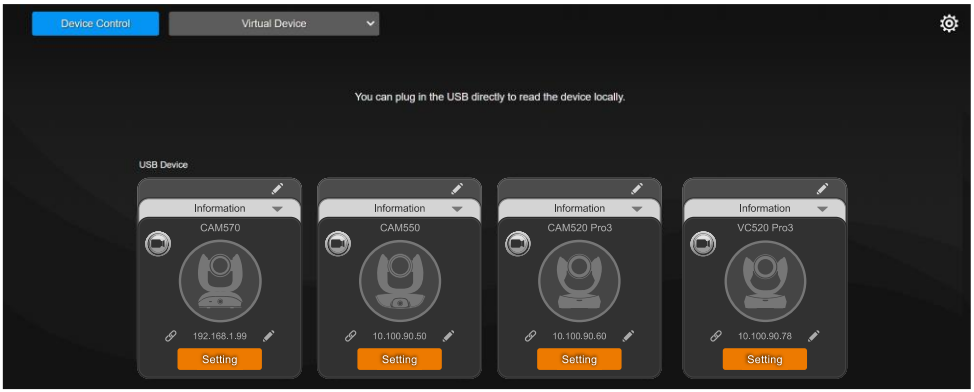
To set up Preset Link:

> **Note:** Make sure you have defined the required presets. Presets 0-9 are available.

1. Turn on **Link**.
2. Click **Preset 0** for your available device to select a preset you want to link to that device.
3. Click **Off** in the **AI Mode** column to turn Auto Frame on or off.
4. Repeat these steps for all available devices.

Room Management

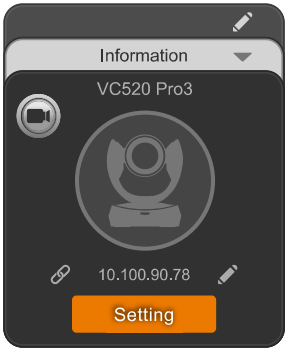
Configure Settings on Room Management



1. Download and install Room Management (formerly PTZApp 2) to your computer from AVer Download Center. (https://www.aver.com/download-center) and launch the software.

2. Connect your device to your computer using the included USB cable. You device should appear under the **Device Control** page.

3. Click **Setting** to control audio and video settings.



EZLive

EZLive is a software program that allows you to record videos from the camera or your PC screen, and upload live streaming to the streaming platforms. Please go to https://www.aver.com/Downloads/search?q=EZLive to download the AVer EZLive software. After downloading, double-click on the file and follow the on-screen instructions to complete the installation.

During a video call, you can use EZLive to:

(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

