



PTZApp 2 User Manual



PTZApp 2

In PTZApp 2, user can change the IP address setting, configure the parameters of the camera, set up AI tracking functions and some advanced image and audio settings, pan, tilt, and zoom the camera.

Install PTZApp 2

Please go to <u>https://www.aver.com/download-center</u> (Global & European Headquarters) or <u>https://www.averusa.com/business/support/</u> (USA) to download the PTZApp 2. After downloading, double-click on the file and follow the on-screen instructions to complete the installation. After installing the PTZApp 2, double-click on the PTZApp 2 icon to run the application.

Use PTZApp 2 with USB Devices

- 1. Run your video application and make a video call.
- 2. During your video call, you can use the PTZApp 2 to pan, tilt and zoom the camera in/out and enable/disable the true WDR, brightness, and sharpness feature.
- 3. Launch PTZApp 2 (1) and it will open in Chrome browser automatically.

USB Devices Virtual Stream		ø
Ye	ou can plug in the USB directly to read the device locally.	
	No device found	
Aller		
	PC:10.100.93.11	

4. Choose "USB devices" and connect USB camera to PC/laptop with USB cable. When the camera is detected, the product card will show up.



5. Set up IP address. The camera default IP address is **192.168.1.168**. Click pencil icon () to edit IP address.



6. Click the setting icon to change Language, Hotkey Control, and Software Version.

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Language: Select desired language and click the check icon to confirm the selection.



Hotkey Control: User can control the camera by using keyboard. This is a general list for all Aver USB Cameras. Backlight control equals to WDR function in VC520 Pro2.

	Hotke	ey Control			
	Off		On		
	Hot	tkey List			
Pan / Tilt		ey Conth Co	ontrol +	$\uparrow / \downarrow / \rightarrow$	/←
Zoom in / Zoom out		Co	ontrol +	+/-	
WDR		Al	t + W		
Backlight Control		Co	ontrol +	L	
Load Preset		Al	t + 0~9		
Set Preset		Co	ontrol +	Alt + 0~9	
Smart Framing		Al	t + F		

Software Version: Get current PTZApp 2's version number and do auto update here.



7. **Information:** Click the drop-down triangle icon to review the information of camera. To minimize the information, click the triangle or the bottom area of the information icon.



8. **Camera:** Click the camera icon to view the camera live view. IP address is displayed as well. Click the X icon to close the camera live view. If the live video did not appear, please check the camera and the laptop/PC connection to make sure all are correct and well connected.

The resolution of this small live view is 640x480 resolutions.



Full Screen: PTZApp 2 can switch to full screen mode. Click "B d" icon and video screen will switch to full screen mode. In full screen mode, user can use direction panel to control direction. Click "B d" camera direction. Click "G d" icon to go back to normal screen view.

The resolution of full screen mode is 1080p.





> People Count and Stream Interval: Click the icon to show people count number and

stream interval. Click the stream interval.



> Control Panel: To control the camera direction, zoom in and out, and to enable/disable the

"Smart Framing" during your video call.



9. **Setting:** Click **"Setting"** button to setup parameters of the camera and speakerphone. Click arrow icon to leave the Setting page.







PTZ Control: To setup preset positions.

- > User can set 10 preset positions.
 - 1. In live screen, use mouse to scroll up or down and click the preset number frame (0~9).
 - Use ▲, ▼, ◄, ▶ and zoom in/out buttons to adjust the camera screen view to desired position.
 - 3. Select "Set Preset" button to save the preset. The system will capture the preset screen view and display in preset number frame.



4. Select *icon* to edit name of preset frame. Click other Web interface to save the name edited.



5. To set another preset, repeat the above steps.

> Select the Preset Position

Preset positions need to be set.

Use mouse to scroll up or down to select the preset. Select the preset user wants. The live screen will move to the preset screen view.



Setting: To setup parameters of the camera.

The video 🖻 icon is to turn on camera live view while doing any settings.



Tracking Mode

Press X button to turn off live view.

Select Setting > Camera > Tracking Mode > Off, Manual Frame, Auto Frame, or Preset Framing.

Image: PTZ Control Camara Camara VC520 Pro2 Taadang Mode 0 Image: Proset Framing VC520 Pro2 Wideo Format Nole: Proset Framing Participandia Nole: Proset Framing Wideo Format Siow Speed Image: Speed High Speed Siow Speed Mode Speed SmartFrame Preset Point Siow Speed		e	VC520 Pro2	C			
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Home Position					Home Position		
Last Operation Position Factory Center Position Preset 0 Seep Position Factory Downside Position Preset 9			Preset 0		Sleep Position	AVer	

- Off: Tracking mode is disabled.
- Manual Frame: User one-click SmartFrame button and camera will adjust view angle to fit all participants in screen for once.
- Auto Frame: Camera automatically adjusts view angle to frame all participants on screen every time when it detects participants' faces or bodies. This action will be activated once

people in the room sit or stand still for 1~5 seconds, depending on the framing speed you select. Once all the participants are in frame, the camera will keep the image stable by not completing any action until subjects move in or out of the screen. When a participant touch the sides of the screen, it will trigger the camera and automatically track, detect, and frame all the participants again.



Preset Framing: Set up preset points in advance. (Only for Preset points 1~9. Preset 0 is for home position). This is designed for only one presenter. Camera tracks presenter and shoot the preset zones instead of focusing and zooming into presenter. To ensure smooth transition, please set up zones with overlapping presets. If the preset zones do not overlap, it will activate video tracking function. The camera will follow the presenter until he/she enters another preset zone.



Overlap beginning & end of each zone

Framing Speed

Select Setting > Camera > Framing Speed > Slow Speed, Middle Speed, or High Speed (default).

When in auto framing or preset framing mode, camera will automatically frame people if they stand still without moving for 1~5 seconds.

- **Slow speed**: camera starts to frame people if they don't move for 5 seconds.
- Middle speed: camera starts to frame people if they don't move for 3 seconds.
- **High speed**: camera starts to frame people if they don't move for 1 second.

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> Smart Frame Preset Point

Select Setting > Camera > Smart Frame Preset Point > Default(Center of the screen) or Preset0 ~ Preset9.

The default is the central of the image screen. Choose a preset point so that camera can detect participants from the wide view of the assigned preset area direction.

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> Auto Focus

Set auto focus mode.

Select Setting > Camera > Auto Focus > PTZ or Continuous.

- **PTZ:** By clicking the button (such as pan, tilt, or zoom in/out) to adjust focus once.
- **Continuous:** The camera will adjust the focus when the objects have moved.

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TT TT	PTZ Control	Camera Tracking Mode VC520 Pro2 Of Manual Frame Auto Frame Preset Framing 0 10.100.91.93 2	:: ×
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> Home Position

Every time when powering on the camera, it will turn to this position.

Select Setting > Camera > Home Position > Last Operation Position, Factory Center Position, or Preset 0.



> Sleep Position

When the camera idles for certain period, it will enter sleep mode and go to the sleep position. Please set up sleep timer to enable sleep mode.

Select Setting > Camera > Sleep Position > Factory Downside Position or Preset 9.

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> Sleep Timer

Set the camera idle time to enter sleep mode.

Select Setting > Camera > Sleep Timer > Off, 10 sec, 5 min, 10 min, or 20 min. Please notice that whenever there is USB streaming or RTSP/RTMP streaming, the camera won't enter sleep mode.



On Screen Menu

Enable/disable on screen display status information. For instance, when it is at auto frame mode, it will appear "Auto framing" on the bottom of the screen. If you don't want to see the words, please select Off.

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PTZ PTZ Control	Sitesp Timer Off 10 sec 5 min 10 min 20 min	
i Setting	On Screen Menu Off On Load Presel Off	VC520 Pro2 : : × © 10.100.91.93
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Select Setting > Camera > On Screen Menu > Off, On, or Load Preset Off.

> Camera Binding

With multiple cameras connection, users can set each camera to buttons 1 to 3 on the remote control.

Select Setting > Camera > Camera Binding > Camera1, Camera2, or Camera3.



Save Preset

Enable/disable "save preset" function. When applicable, IT personnel can limit end-user access to change preset points by locking "save preset" function and switching this function off. When off, user can't save preset points via IR remote, Hot key, VISCA, and webpage. Select Setting > Camera > Save Preset > Off or On.

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Image Settings

Image Flip

If the camera is installed in the upside down position, please enable the "Flip". Select Setting > Image > Image Flip > Off or On.



Image Mirror

To mirror the camera image.

Select Setting > Image > Image Mirror > Off or On.



True WDR

In back light environment, enabling WDR to improve the brightness of image.

Select Setting > Image > True WDR > Off or On.

The frame rate will be limited to 30fps while WDR is on.

If user enables this function in a normal light condition, the image will become over exposure and encounter image blur.



> Frequency

Select the frequency of the camera.

Select Setting > Image > Frequency > 50 HZ or 60 HZ.



> White Balance

Select the white balance setting for various light conditions or color temperature. Select **Setting > Image > White Balance > Auto** or **Manual**.

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PTZ PTZ Control	Frequency 50 HZ 60 HZ	
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AVer	R5232 A00R	

> Noise Reduction

To reduce the noise from the signal.

Select Setting > Image > Noise Reduction > Off, Low, Middle or High.



> Brightness

Adjust the value of brightness.

Select Setting > Image > Brightness > 1 ~ 9.



> Sharpness

Adjust the value of sharpness.

Select Setting > Image > Sharpness > Off, Low, Middle or High.



> Saturation

Adjust the value of saturation.

Select Setting > Image > Saturation > 1 ~ 9.

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(ه	Audio	Df Low Middle High	
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	AVer	R5232 ADDR	

> Low Light Compensation

Select Setting > Image > Low Light Compensation > Off or On.

Please notice that the frame rate will drop to 10~15 fps.



RS232 Setting

When USB camera connects with PTZ camera controller through the RS232 port, please setup ADDR, Baud Rate, Protocol, and Visca Over IP settings. Select Setting > RS232.



System: To setup system.

> I/O Port

Except USB port, user can enable or disable all I/O ports.

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PTZ PTZ Control	I/O Port Enable All Port	Only Enable USB Port		
i Setting	FW Update	City Lindon Cold Fort		
- System	Auto Update Manual Update Factory Default			
 Audio 	Reset Reset Password			
	Reset Web Access Password Trouble Shooting			
	Start			
	Iest Speakerphone Start			
	Information			
	Model Name	Firmware Version	Serial Number	
AVer	VC520 Pro2	0.0.7200.32	1234567890123	
Aver	IP Address	MAC Address		

> Firmware Update

Update the camera's firmware.

Select System > FW Update > Auto Update or Manual Update.

- Auto Update: The system will check firmware version from AVer server and request to update.
- Manual Update: To update the firmware from specific location.

After updating, the camera will **reboot** and the connection will be lost. Please wait for few minutes and always keep the power cable connected. If unplugging the power during this process, it will cause damage of the device.

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> Factory Default

Reset the camera back to factory default setting.

- 1. Select System > Factory Default > Reset.
- 2. User can choose to keep current IP address or back to default.
- 3. Select Continue to reset back to factory default.

[Note] When factory default is activated, the password of Webpage login will not be set to default. For security concerns, to reset password of webpage access, please download PTZApp 2 to reset it.

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PTZ	PTZ Control	Language Englina 東都中文 日本語	· · · ·
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		Duk Format mm.do.yyy do.mm.yyy Tme Format	
	AVer	24Hour (23Hour Time Correction Mode	
	Reset	Do you want to continue this operation? Cancel Cont	tinue
iish	繁體	Except for the "Web Access Password", this operation will clear all your current configuration. In addition, you can decide to keep the following items.	
odate		Update Keep the IP Address	
fault		It will take a few minutes for the camera to restart and then return to the login page. Please wait.	

> Trouble Shooting: Click Start and Output to output log to save in local PC.



Test Speakerphone: Click Start and Start to check the speakerphone status. It will require user to record a short message and play it back to ensure the speakerphone is working.

Test Speakerphone	You can click [Start] to start the test.		Cancel	Start
		Only End 1 Press the (Start) button 2 Record a 10 seconds message after the tone.		
FW Update		It will be playback to test microphone functionality.		

> Information

Display the information of Model Name, Firmware Version, Serial Number, IP Address, and

MAC Address.

Select System > Information.



Audio: To setup audio parameters.

> Noise Suppression

It is to reduce ambient noise.

Select Audio > Noise Suppression > Off or On.

When enabling the noise suppression function, please set value of noise suppression (1~40).

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> Automatically Gain Control

Enable/disable the auto gain control. It is to control ambient sound level and maintain a suitable output, despite variation of the one at the input.

Select	Audio	>	Automatic	Gain	Control	>	Off	or	On
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> Echo Cancellation

Enable/disable echo situation.

Select Audio > Echo Cancellation > Off or On.



> Keyboard Noise Suppression

Enable/disable keyboard noise reduction.

Select Audio > Keyboard Noise Suppression > Off or On.



> Phone In Jack

Set Phone in input source.

Select Audio > Phone In Jack > Phone In, 3.5mm External Microphone Only, or 3.5mm External Microphone Mix In.

- Phone In: When the mobile phone is connecting to Phone in port, please select "Phone In" option.
- 3.5mm External Microphone Only: The speakerphone will transfer the sound that it receives from the external microphone (connected on phone in port) to far site.
- 3.5mm External Microphone Mix In: The speakerphone will transfer the sound that it receives from the external microphone (connected on phone in port) and speakerphone to far site.

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10. Click the icon to display the connected devices to the USB camera.



11. **PTZApp 2 Minimize:** Minimize the app to system tray. To quit the application, right-click the icon on the system tray and select "Quit".



If you can't launch PTZApp 2 right after installation, please also check here and see if it is already minimized. Right –click the icon and choose Restore.



Use PTZApp 2 with a Virtual Stream

With this function, you can have a virtual meeting with only Ethernet connection and get rid of USB cable connection. Make sure the camera is connected with Ethernet and under the same subnetwork as the meeting room PC (e.g. NUC).

1. Launch PTZApp2 (1) on a PC and click Virtual Stream.



2. When the camera card appears, click Start to enable the Virtual Stream function.

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3. Virtual Stream technology uses an RTSP stream. If you set a password for RTSP, you will be asked to provide that password while enabling this function.



- 4. Launch VC software (e.g. Zoom, Teams, Skype) and choose AVer USB VCam as the video source to start collaborating.
- 5. While using the Virtual Stream function, you cannot change any camera settings. To pan/tilt or zoom in/out the camera, use a remote control or VISCA control.
- 6. Click **Stop** and **Home** to stop using this function.



[Notes]

- 1. This technology only transmits video, not audio sources.
- 2. Video latency may vary depending on CPU power (i5 or higher is recommended).

For more details, please refer to the website of PTZApp 2: https://communication.aver.com/line/usb-videoconferencing/ptzapp2



MORE HELP

For FAQs, technical support, software and user manual download, please visit: **Global:** <u>https://www.aver.com/HelpCenter/conferencing-collaboration</u> **USA:** <u>https://www.averusa.com/business/support/</u> **European Headquarters:** <u>https://www.aver.com/download-center/</u>

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