



# VC520 Pro

## **User Manual**



#### **Federal Communications Commission Statement**

**FCC** 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 pro-vide reasonable protection against harmful interference when the equipment is operate din 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.

#### 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.

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## WARNING

- To reduce risk of fire or electric shock, do not expose this appliance to rain or moisture. Warranty will be void if any unauthorized modifications are done to the product.
- Do not drop the camera or subject it to physical shock.
- Use correct power supply voltage to avoid damaging 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.
- Hold the bottom of the camera with both hands to move the camera. Do not grab the lens or lens holder to move the camera.

#### Remote Control Battery Safety Information

- Store batteries in a cool and dry place. -
- Do not throw away used batteries in the trash. Properly dispose of used batteries through specially approved disposal methods.
- Remove the batteries if they are not in use for long periods of time. Battery leakage and corrosion can damage the remote control. Dispose of batteries safely and through approved disposal methods.
- Do not use old batteries with new batteries.
- Do not mix and use different types of batteries: alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium).
- Do not dispose of batteries in a fire.
- Do not attempt to short-circuit the battery terminals.

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## Package Contents



\*The power cord will vary depending on the standard power outlet of the country where it is sold

## **Optional Accessories**



## **Product Introduction**

## **Overview**





- 1 Status LED Power on: Red light Standby: Orange light
- 2 IR sensor
- 3 Speakerphone port(Blue cable)
- 4 USB3.1 Type B port

0 0 0

8

- 5 RS232 in/out port
- 6 Ethernet port
- 7 DC 12V power jack
- 8 Kensington Lock



- 9 Speakerphone port (For extended speakerphone and microphone connection/ Red cable)
- 10 Phone in port
- 11 Line out port
- 12 Camera port(Blue cable)
- 13 Kensington Lock

## Expansion Speakerphone/Microphone Connection

There are 2 types of expansion solutions that can be extended from the VC520 Pro speakerphone. Please purchase the expansion speakerphone and/or microphone directly from AVer or an AVer reseller.

#### **Expansion Speakerphone Requirements:**

- VC520 Pro Firmware version: 1004.00 or later
- FONE540 Firmware version: 7000.34 or later

#### [Note]

- The VC520 Pro can support up to two expansion speakerphones, however, the daisy-chain expansion cable cannot exceed over 40m in total.
- Please connect the power supply for the expansion speakerphone when daisy-chaining over 20m.
- Please connect the power supply when upgrading the firmware for the expansion speakerphone.
- The expansion speakerphone cannot be used as the main speakerphone; it can only be used with the VC520 Pro.
- The speakerphone/microphone cables will be included in the package contents when the user purchases the expansion speakerphone/microphone.



**[Note]** The VC520 Pro can support up to four expansion microphones, however, the daisy-chain expansion cable cannot exceed over 40m in total.

## **Phone in Connection**

Users can connect a mobile phone to the Phone in port on the speakerphone as a hands-free speaker. When the device connects with the speakerphone, the + icon will light up in blue. Touching the icon will temporarily disconnect the connection of the device with the speakerphone; touching the + icon again will resume the connection.





## **Pan and Tilt Angle**





## **Audio Signal Receive Range**

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



Two speakerphones

## **Speakerphone LED Indicator**

Button	LED Indicator	Status
<b>()</b> / ()	White light	Adjust the volume up and down. When adjusting the volume up and down, the volume LED indicator will light up in blue.
<b>₽</b>	White/Blue light	Touch to mute/un-mute the speakerphone volume. In mute status, the LED indicator will light up in red.
$\frown$	Red light	Touch to hang up the call.
٢.	Green light	Touch to answer the incoming call.
Ð	<ul> <li>Blue light: Connects with external device</li> <li>White light: Temporarily disconnects the connection with the device</li> <li>Off: No connection with external devices</li> </ul>	When the Phone in port connects with the device, the LED indicator will light up in blue.

## **Remote Control**

		Na	ame	Function
1 <b>—</b> 2 <b>—</b>		1.	Camera Select	One remote can control up to 3 AVer VC/CAM/VB series cameras. You can use AVer PTZApp to set numbers associated with each camera, and then select which camera you would like to
3 <b></b> 4 <b>_</b> _		1		control using the remote. [Note] If you only have one camera
5—		2		that requires no additional setting, the default is camera 1.
6— 7—		3		If camera 2 or 3 is selected, the remote will be unable to control the camera. In this case, please press camera 1 on your remote.
8 <b>—</b> 9 <b>—</b>			Camera Direction Control	Use the directional buttons on the remote to control the direction of the camera. Press the directional button to move the camera or press and hold to
	AVer			continuously pan or tilt.
		3.	SmartFrame	One-click automatic FOV adjustment to fit all participants. Press and hold Press and hold
		4.	OSD Menu	Not supported for VC520 Pro.

	Name		Function
	5.	Zoom In/Zoom Out	Increase/Decrease the camera zoom.
	6.	Preset	<ol> <li>To save the camera at the desired position, press and hold the preset button until the "saved message" is displayed on the PTZApp video screen or other video apps. Select</li> </ol>
			preset position button 0 to 9 to save.
5			<ol> <li>Press "preset" + "preset position button" (0 ~ 9) to move the camera to the saved position.</li> </ol>
6 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	7.	Preset Position	Preset position buttons are used in conjunction with the Preset button to save positions. There are a total of 10 presets.
			Press the preset button first and then press 0~9 for the camera to move to
9			, the saved position. [Note]
AVer			<ul> <li>Press and hold the number button         "1" to turn the WDR function         on/off.</li> <li>Press and hold the number" 5         "         button for one second to turn the         SmartFrame function on/off.     </li> </ul>
	8.	Brightness -	Decrease the brightness.
	9.	Call/answer*	Answer a call or start a call.
	10	). Enter	Not supported for VC520 Pro.
	11	. Mute/Unmute Speakerphone*	Mute/Unmute the speakerphone.
	12	2. Volume Up/Down*	Adjust volume up or down.
	13	8. Preset Hot Key	Press to move to a preset position previously set by the user.
	14	. Brightness +	Increase the brightness.
	15	5. Hang Up*	End the call.

\* Function requires AVer PTZApp

## **Installation**

## **Device Connection**

1. Connect the camera to power outlet.



2. Connect the camera to the speakerphone using the speakerphone cable included in the package.



#### [Note]

- The speakerphone port of the camera and the camera port of the speakerphone are both marked in blue.
- When connecting to the speakerphone, please remove the back port cover of the speakerphone for successful cable connection. To remove the back port cover, simply pull off from the speakerphone unit.



#### 3. Connect other necessary cables.

#### [Note]

- USB and RS232 cable need to secure the cable with attached screw.
- Make sure the cable is well connected to the connector on the camera before securing the cable.



4. Connect the camera to the computer.

[Note] Use the USB 3.0 cable that is included in package.



## **RS232 Connection**

■ Camera RS232 Port Pin Definition



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

#### Computer/Keyboard Controller and Camera Connection

#### **Direct Connection**

If users don't buy AVer RS232 adaptor cable, please refer to the pin connection shown below.



Use the RS232 mini DIN9 to mini DIN8 cable (Sold separately. Please purchase from AVer.).

Users can purchase AVer RS232 min DIN9 to mini DIN8 adaptor cable\* to connect with Computer or keyboard/controller.

1. RS232 (mini DIN9 to mini DIN8) adaptor cable (PN: 064AOTHERCDC)

2. Users can also purchase a miniDIN8 to D-Sub9 cable to connect with camera controller.

(PN: 064AOTHERBPK)



#### RS232 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 users don't buy AVer RS232 adaptor cable, please refer to the pin connection shown below for cascading cameras.

Total can connect up to 7 cameras.





#### Use the RS232 mini DIN9 to mini DIN8 cable

Total can connect up to 7 cameras.

To facilitate the camera cascade, users can purchase AVer RS232 adaptor cable.

Connect camera with AVer mini DIN9 to mini DIN8 adaptor 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 adaptor cable again to connect to next camera.



## **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 screw to secure the A L-mount bracket 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 A + B L-mount bracket with screws (included in package). Screw: M4 x 8mm(x2)



4. After assembling the L-mount bracket, secure the lower part of L-mount bracket on the wall.

#### <u>Screw</u>

- 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: 2 1/4"-20 L=7.5mm(x2)



## **Operating the Camera**

## Make a Video Call

- 1. Make sure VC520Pro camera, speakerphone and PC/laptop are well connected and power is on.
- Run your video application (Zoom, Microsoft<sup>®</sup> Teams, Skype for Business, Skype, Google Hangouts, Intel® Unite<sup>™</sup>, RingCentral, BlueJeans, V-Cube, LiveOn, CyberLink U Meeting<sup>®</sup>, TrueConf, Adobe Connect, Cisco WebEx<sup>®</sup>, Fuze, GoToMeeting<sup>™</sup>, Microsoft<sup>®</sup> Lync<sup>™</sup>, Vidyo, vMix, WebRTC, Wirecast, XSplit....etc.) on your PC or laptop.
- 3. Set the VC520 Pro camera and speakerphone as the primary camera and speakerphone for your video application (refer to your video application user guide). You can now make your call.
- 4. The VC520 Pro is a plug-and-play conference camera. The system requires no special drivers, but we do recommend installing the AVer PTZApp for a better user experience. For information on how to install and use the AVer PTZApp, refer to the AVer PTZApp section in this user manual.

## Make a Connection by AVer IP Finder App

User can use AVer IP Finder app to find the camera and make a connection through the browser to configure the camera.

- 1. Download the IP Finder from http://www.aver.com/download-center .
- 2. Run the IP Finder.
- 3. Click "Search", and all available devices will be listed on the screen.

twork Devic ealtek PCIe (	e GBE Family Control	ler 💌	Search	Pass	word			
twork Settir Search Resul Select A	t							
No.	Status	Progress	Model Name	Device Name	FW version	IPv4 Address	MAC Address	IPv6 /
	Working		CAM520 Pro	CAM520 Pro	0.0.1000.03	10.100.91.45:80	4a:19:f0:25:4d:39	[]:80
				m				•
C DHCP				Start IP Address:				
C Static I	0			End IP Address:				
				Subnet Mask:	•	•		
*Auto sea	ch will start after	settings change	dl	Gateway:		A		
	start auto search			Primary DNS:				

- 4. Select a camera from the list. The corresponding fields of IP address will display.
- To change the IP address of camera, user can select "DHCP" or "Static IP". The DHCP should get the IP address from local dynamic IP sever. The static IP, user can enter the specific IP address. Click "Apply" to apply the setting to the camera. The password is required (The camera login default password is aver4321).
- 6. Click "Search" button to re-scan the camera.
- 7. Double-click on the IP address of camera from the list can connect to camera through the browser.
- 8. Enter the default password (aver4321) to login to Web setup screen.

[Note] If IP Finder cannot find the camera, please check following:

- Please make sure the Ethernet connection of camera is well connected.
- The camera and PC (IP Finder) are in the same LAN segment.



## **Use SmartFrame Function**

## What is SmartFrame?

SmartFrame uses face detection technology. While in a conferencing meeting, participants must face the camera for face detection. Side face (one ear/ one eye) is not detectable.





## Two kinds of SmartFrame Function

- Manual frame: Once all participants are seated, press [1] on the remote or use PTZApp to activate it.
- Auto frame: Press [22] for 1 second to switch from manual to Auto framing or use PTZApp and

change the setting to Auto frame. You can see **Auto Framing** shown on the bottom of the image screen.



## How does SmartFrame Work

- Manual frame: Press and hold down the (242) button and Framing will pop up on the top left corner of the Image screen. This indicates for all participating users to sit facing towards the camera to allow it to detect all faces present. After 3 to 5 seconds, the camera will calibrate and automatically zoom to include all users to fit in the screen.
- Auto frame: When switching to auto framing mode for the first time, you will see Framing pop-up on the top left corner of the Image screen. The camera will begin detecting participants and include everyone in the screen. 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 people touch the sides of the screen, it will trigger the camera and automatically switch to wide view mode to detect and frame all the participants again.



You will see Framing message each time the framing function is triggered.

#### [Note]

- a. If you wish to remove the **Framing** message, please go to the PTZApp and change the "On Screen Menu" setting to OFF.
- b. To switch SmartFrame function, press and hold number 5 button on the remote to switch on/off. You can also adjust the Tracking mode setting to turn SmartFrame on/off on the PTZApp.

## Web Screen Setup

VC520 Pro supports Ethernet connection; users can enter the IP address into the web browser to connect to the camera for detail settings.

#### Login

To find the IP address of the camera; please refer to "Make a connection by AVer IP Finder App" section.

- 1. Open the browser on your laptop/PC and enter the IP address of the camera.
- 2. Enter the password at login screen. The default password is "aver4321".
- 3. The main web screen is displayed.



## **Live Screen Operation**

User can control the camera direction, zoom in/out, and preset selection.

[Note] The system will force the previous login to log out, when there is a second login.



## **Setup the Preset**

User can set 10 preset positions.

- 1. In live screen, select **v** to expand preset position list.
- 2. Select the preset number frame(0~9).
- 3. Use  $\blacktriangle$ ,  $\bigtriangledown$ ,  $\blacklozenge$ ,  $\blacklozenge$  and zoom in/out button adjust the camera screen view to desired position.
- 4. Select "Set Preset" button to save the preset. The system will capture the preset screen view and display in preset number frame.
- 5. To set another preset, repeat the above steps.



## **Select the Preset Position**

Preset positions need to be set.

 $\sim$ 

Select

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

to close the preset position list.



## **Camera Settings**

#### **Smart Frame**

One-click automatic FOV(field of view) adjustment to fit all participants.

In live screen view, select Setting > Camera > Smart Frame > Auto, Manual or Off.

A۱	<i>l</i> e <b>r</b>							
PTZ	PTZ Control	Camera						
ø	Setting	Smart Frame						
		Off	Manual	Auto				
⊞	Video Format	Auto Focus						
몲	Network	PTZ						
-^-	System	Home Position	Position					
۱	Audio	Sleep Position	USHUH					
		Factory Downside	Position					
					_	Live scree	n nroviow	1
		от	10 sec	5 min	10 min	Live sciee	an preview	
				Load Preset Off				
		Camera Binding						
		Camera 1						
		Image						
		Image Flip						
		Off						
		Image Mirror						
		True WDR						
		or						
		50 HZ	60 HZ					
		Auto						
		01	1.000	1.104946				

#### **Auto Focus**

Set auto focus mode.

In live screen view, select Setting > Camera > Auto Focus > PTZ or Continuous.

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

AVer				
PTZ	PTZ Control	Camera		
ø	Setting	Off Manual Au		
⊞	Video Format	Auto Focus		
윪	Network	PTZ Contin	uous	
-^-	System	Home Position		
	Audio	Last Operation Position Preset 0		
		Sleep Position Factory Downside Position Presi		
		Sleep Timer		
#### **Home Position**

Set the home positon for camera to return.

In live screen view, select Setting > Camera > Home Position > Last Operating Position, Factory Center Position or Preset 0.

A١	<i>l</i> e <b>r</b>				
PTZ	PTZ Control	Camera			
¢	Setting	Off Manu	al Auto		
⊞	Video Format				
뮮	Network	PTZ	Continuous		
-~-	System	Home Position			
	Audio	Last Operation Position	Factory Center Position	Preset 0	
<b>4</b> 2	Audio				
		Factory Downside Position	Preset 9		

#### **Sleep Position**

When the camera idles for more than 3 minutes, it will enter sleep mode.

In live screen view, select Setting > Camera > Sleep Position > Factory Downside Position or Preset 9.

AV	le <b>r</b>			
PTZ	PTZ Control	Camera		
ø	Setting	Off Man	ual Auto	
Ħ	Video Format			
몲	Network		Continuous	
~~	System	Home Position		
		Last Operation Position	Factory Center Position	
۱	Audio	Sleep Position		
		Factory Downside Position	Preset 9	
	L	Ciccp Time		
		Off 10 s	ec 5 min	

#### **Sleep Timer**

Set the camera idle time to enter sleep mode.

In live screen view, select Setting > Camera > Sleep Timer > Off, 10sec, 5min, 10min or 20min.

A١	<i>l</i> er				
PTZ	PTZ Control	Camera Smart Frame			
ø	Setting	Off Manual	Auto		
⊞	Video Format				
뮮	Network	PTZ	Continuous		
-~-	System	Home Position Last Operation Position			
(ه	Audio	Sleep Position			
		Factory Downside Position			
		Sleep Timer			
		Off 10 sec	5 min	10 min 20 min	
			Load Preset Off		

#### **On Screen Menu**

Enable/disable on screen display status information.

In live screen view, select Setting > Camera > On Screen Menu > Off, On or Load Preset Off.

A۱	<i>l</i> e <b>r</b>			
PTZ	PTZ Control	Camera Smart Frame		
ø	Setting	Off Manual	Auto	
⊞	Video Format			
묢	Network	PTZ	Continuous	
-~-	System	Home Position		
۱	Audio	Last Operation Position		
		Sleep Position		
		Factory Downside Position		
		Sleep Timer		
		Off 10 sec	5 min	
		On Screen Menu		
		Off On	Load Preset Off	
		Gamera binding		4
		Camera 1 Camera		

#### **Camera Binding**

With multiple cameras connection, users can set each camera to buttons 1 to 3 on the remote control. In live screen view, select Setting > Camera > Camera Binding > Camera 1, Camera 2 or Camera 3.

A۱	<i>l</i> e <b>r</b>					
PTZ	PTZ Control	Camera Smart Frame				
Ö	Setting		Manual	Auto		
Ħ	Video Format					
묢	Network			Continuous		
-^-	System	Home Position				
۱	Audio	Last Operation	Position			
		Sleep Position Factory Downside	Position	Preset 9		
		Sleep Timer				
			10 sec	5 min		
				Load Preset Off		
		Camera Binding				
		Camera 1		Camera 3		

# **Image Settings**

#### Image Flip

If the VC520 Pro is installed in the upside down position, please enable the "Flip". In live screen view, select Setting > Image > Image Flip > Off or On.



#### **Image Mirror**

To mirror the camera image.

In live screen view, select Setting > Image > Image Mirror > Off or On.

A۱	<i>l</i> er			
PTZ	PTZ Control	Image		
Ö	Setting	Image Flip		
⊞	Video Format	Image Mirror		
묢	Network	οπ	On	
~~	System	True WDP Off		
(۵	Audio	Frequency		
		50 HZ		

### True WDR

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

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

**[Note]** While WDR is on, the frame rate will drop and cause image blur if there are moving objects. Please turn off WDR when in normal light conditions.



#### Frequency

Select the frequency of the camera.

In live screen view, select Setting > Image > Frequency > 50Hz or 60Hz.

A١	<i>l</i> e <b>r</b>	
PTZ	PTZ Control	
ø	Setting	
⊞	Video Format	Image Mirror
品	Network	
-^-	System	
۱	Audio	Frequency
		50 HZ 60 HZ
		White Balance
		Auto Cloudy Daylight Fluorescent Tungesten
		Off Low Middle High
		1 2 3 4 5 6 7 8 9
		Off Low Middle High
		1 2 3 4 5 6 7 8 9

#### White Balance

Select the White Balance setting for various light conditions or color temperature. In live screen view, select Setting > Image > White Balance > Auto, Cloudy, Daylight, Fluorescent or Tungsten.



#### **Noise Reduction**

To reduce the noise from the signal.

In live screen view, select Setting > Image > Noise Reduction > Off, Low, Middle or High.



#### **Brightness**

Adjust the value of brightness.

In live screen view, select Setting > Image > Brightness > 1~9.

A۱	<i>l</i> er					
PTZ	PTZ Control	Image				
ø	Setting	Image Flip				
	Video Format	Off Image Mirror				
몲	Network	on				
~		True WDR				
	System	Off				
(۵	Audio					
		50 HZ	60 HZ			
		White Balance				
		Auto				
	<b>.</b>	0#		Middle		
		Brightness				
		1 2 3	4	6 7	8 9	
	L					
				Middle		
		1 2 3	4	5 6 7		

#### **Sharpness**

Adjust the value of sharpness.

In live screen view, select Setting > Image > Sharpness > Off, Low, Middle or High.

A١	le <b>r</b>	
PTZ	PTZ Control	Image
ø	Setting	
⊞	Video Format	Image Mirror
묢	Network	
-^-	System	True WDR
۱	Audio	Frequency
		50 HZ 60 HZ
		Auto Cloudy Daylight Fluorescent. Tungesten
		Off Low Middle High
		1 2 3 4 5 6 7 8 9
		Sharpness
		Off Low Middle High
		1 2 3 4 5 6 7 8 9

#### Saturation

Adjust the value of saturation.

In live screen view, select Setting > Image > Saturation >1~9.

### **RS232 Setting**

When VC520 Pro connects with PTZ camera controller through the RS232 port, please setup **ADDR**, **Baud Rate**, **VISCA Protocol**, **VISCA Over IP** settings.

In live screen view, select **Setting > RS232**.

RS232			
ADDR			
1 2			8
Baud Rate			
		9600	115200
Visca	Pelco-P		
Off	On On		

## **Video Format Setting**

#### **IP Stream Resolution**

Select the resolution for IP stream. Not supported for USB video stream.

In live screen view, select Video Format > IP Stream Resolution only(not for adjusting USB video stream) > 1080P, 720P, 480P or 360P.

A۱	le <b>r</b>							
PTZ	PTZ Control	IP Stream Resolution	only (not for adjustin	ig USB video stream)				
ø	Setting	1080P	720P	480P	360P			
H	Video Format		30 FPS					
品	Network		30113					
-^-	System		512 Kbps					
۱	Audio							
RTSP       (Note: Account is "admint")         Require Password       Of         Of       Cn         Change Password       Change Rise Password         Change RTSP Access Password       RTSP URL Addrass         rtsp://10.100.93.121/live_st1       RTMP         RTMP       (Note: Cue to Facebook Imitation to ensure video quality, please set maximum Bitrate at 4Mtps.)								
		Server URL					Stream Key	
					Start			

#### **Frame Rate**

Select the frame rate value.

In live screen view, select Video Format > Frame Rate > 60FPS, 30FPS or 15FPS.

A۱	<i>l</i> er						
PTZ	PTZ Control						
ö	Setting	1080P					
	Video Format	Frame Rate					
몲	Network	60 FPS	30 FPS	15 FPS			
-~-	System		512 Kbps				
۱	Audio						
		RTSP (Note: Account					
		Require Password					
		Off					
		RTMP (Note: Due to I					
			Server UR			Stream Key	

#### **Bit Rate**

Select the bit rate value.

In live screen view, select Video Format > Bit Rate > Auto, 512Kbps, 1Mbps, 2Mbps, 4Mbps, 8Mbps, 16Mbps or 3Mbps.

A	<i>l</i> e <b>r</b>							
PTZ	PTZ Control							
ø	Setting	1080P						
	Video Format							
品	Network	60 FPS Bit Rate	30 FPS					
~~	System	Auto	512 Kbps	<ul> <li>1 Mbps</li> </ul>	2 Mbps	4 Mbps	8 Mbps	
	Audio	16 Mbps	32 Mbps					
			Server UR				Stream Key	

#### RTSP

To use RTSP player connecting to the camera, please enter the RTSP URL which displays on the web in your application such as VLC, PotPlayer or Quick Time.

A۱	<i>l</i> er					
PTZ	PTZ Control					
ö	Setting	1080P 720P				
	Video Format					
		60 FPS 30 FPS	15 FPS			
몲	Network					
-^-	System	Auto 512 Kbps	1 Mbps			
۱	Audio	16 Mbps 32 Mbps				
		RTSP (Note: Account is "admin".)				
		Require Password				
		Off On				
		Change Password				
		Change RTSP Access Password				
		RTSP URL Addre				
		rtsp://10.100.93.121/i	ive_st1			
		RTMP (Note: Due to Facebook limitation.				
		Server	JRL		Stream Key	
				Start		

#### Change RTSP Password

- 1. In live screen view, select Video Format > RTSP > Change RTSP Access Password.
- 2. Enter the new password.
- 3. Select "Change" to save the new password.

PTZ Control							
Setting	1080P						
Video Format	Frame Rate						
Network		30 FPS					
		512 Khos					
Audio							
	оп	On					
	Change Password						
	Change RTSP Acce	ess Password					
	nsp.	//10.100.93.121/live_	<u>_sti</u>				
	RTMP (Note: Due to F			ase set maximum Bitra	ate at 4Mbps.)		
		Server URL				Stream Key	
				-			
			<u></u>	-			
			<u></u>	-			
		Ente	r a new par	ssword.			
	Ple	Ente ase enter 6	r a new pas	ssword. bets or nur	nbers.		
	Ple	Ente ase enter 6	r a new pas	ssword. bets or nur	nbers.		
	Ple	Ente ase enter 6	r a new pas	ssword. bets or nur	nbers.		
	Ple	Ente ase enter 6	r a new pas i~10 alpha	ssword. bets or nur	nbers.		
		ase enter 6	r a new pa i∼10 alpha	bets or nur			
	Plea	ase enter 6	r a new pa: ~10 alpha	bets or nur	nbers. Change		
		Video Format Video	Video Format     Frame Rate       Video Format     60 FPS       Network     Bit Rate       System     Auto       Audio     512 Kaps       Rigate     32 Maps       Rigate     Rate       Change Password     Off       Off     Change RTSP Access Password       Change RTSP Access Password     RTSP URL Address rtsp/101.100 93.121/live;       RTMP     (Note: Due to Facebook lamitation, to eta)	Video Format     Frame Rate       Video Format     00 PPS       Network     Bit Rate       System     Auto       Audio     512 Klops       If 6 kttps     32 kttps       RTSP     Note Account is "admen")       Require Password     On       Othange RTSP Access Password     RTSP URL Address       RTSP URL Address     rtsp.//10.100.93.12.t/kve_st1	Video Format     Frame Fate       Video Format     O FPS       Network     Bit Rate       System     Auto       Auto     512 Ktops       1 Maps     2 Maps       Auto     512 Ktops       RTSP     (Mole: Account is "admin")       Require Password     Or       Or     Charge RTSP Access Password       Charge RTSP Access Password     RTSP (Mole: Due to Facebook imitation, to ensure video quality, please set maximum Bits       Server URL     /	Video Format     Prame Rate       Video Format     OF PS       Network     Bir Rate       System     Audo       Audio     512 Kbps       16 https     2 https       4 https       Audio     512 Kbps       16 https     2 https       4 https       Audio       17 P       Require Plassword       Of       Change RTSP Access Plassword       Change RTSP Access Plassword       RTSP URL Address       rtsp//10.100.93.121/hvg_st1       RTIMP       Note: Due to Facebook imitation: to ensure video quality, please set maximum Bitrate at 4Mbps.)       Server URL       /	Video Format     Frame Rate       Video Format     60 FPS       Network     Bit Rate       System     Auto       4 Mops     4 Mops       6 Mops     2 Mops       7     6 Mops       6 Mops     2 Mops       6 Mops     2 Mops       7     6 Mops

#### **RTMP**

Setup for uploading the camera's live view to the broadcasting platform (ex: YouTube).

In live screen view, select Video Format > RTMP.

- 1. Locate the RTMP server URL and stream key from the broadcasting platform and enter in **Server** URL and Stream Key column.
- 2. Select Start to begin uploading the live video of the camera to the broadcasting platform.
- 3. Select **Stop** to stop uploading the video.

<b>AV</b> er		
PTZ PTZ Control		
ې Setting	1080P 720P 480P	
Video Format		
	60 FPS 30 FPS 15 FPS	
器 Network		
-v∕- System	Auto 512 Kbps 1 Mbps 2	
■) Audio		
	RTSP (Note: Account is "admin".)	
	Off On	
	RTMP (Note: Due to Facebook limitation, to ensure video quality, please set	
	Server URL	Stream Key
	/	

## **Network Setting**

#### DHCP

Enable/disable DHCP function.

In live screen view, select Network > DHCP > Off or On.

A١	<i>l</i> er	
PTZ	PTZ Control	DHCP
ŵ	Setting	Off On
⊞	Video Format	
윪	Network	
-^-	System	
۱	Audio	

#### Static IP

Assign a fixed IP address to the camera. Please turn off the DHCP function.

- 1. In live screen view, select Network > Static IP.
- 2. Enter the IP Address, Gateway, NetMask, and DNS in the corresponding column.
- 3. Select **Confirm** to complete the setting.

A	le <b>r</b>	
PTZ	PTZ Control	
ø	Setting	Off On
⊞	Video Format	Static IP
뭚	Network	IP Address         Gateway           10         100         93         61         10         100         93         254
~~	System	NetMask DNS
۱	Audio	255 . 255 . 255 . 0 10 . 100 . 1 . 6
		Confirm

# **System Setting**

#### Language

Select the language of the system.

In live screen view, select System > Language > English or Traditional Chinese.

A١	<i>l</i> er					
PTZ	PTZ Control	Language				
ö	Setting	English	Traditional Chinese			
Ē	Video Format					
윪	Network					
-^-	System					
۱	Audio					
		yyyy-mm-dd	mm-dd-yyyy			
		24-Hour	12-Hour			
			Manual			
			Year / Month / Day           I         01         I         19		Hour : Mir 16 :	autes
			del Name	Firmware Version		Serial Number
			C520 Pro	0.0.1000.36		5100293800025
			Address	MAC Address		Time
		10.	100.93.61	00:11:22:33:44:25		2000/1/19 16:45

[Note] More languages will be added in the future without further notice.

#### FW Update

Update the camera's firmware.

In live screen view, select System > FW Update > Auto Update or Manual Update.

- Auto Update: The system will check firmware and update automatically. If the firmware is on the latest version, then update will not perform.
- Manual Update: To update the firmware from specific location.

After updating, the camera will **reboot** and the connection will be lost. User needs to re-connect after rebooting.

	-						
AV	<i>l</i> er						
PTZ	PTZ Control						
		English					
¢	Setting	FW Update					
⊞	Video Format	Auto Update	Manual Update				
品	Network	Decision of the second					
	System						
	Audio						
90	Addio						
		24-Hour					
			Manual				
			Year / Month / Day		Hour : Mi	nutes	
				]			
				Con			
		Information					
			del Name 520 Pro	Firmware 0.0.10		Serial Numb 51002938000	
			Address	MACA		Time	
		10.1	100.93.61	00:11:22:	33:44:25	2000/1/19 16	45

### **Reset Settings**

Reset the camera back to factory default setting.

- 1. In live screen view, select **System > Reset Settings**.
- 2. Select Reset.
- 3. Select the **OK** to reset back to factory default.

A١	<i>l</i> er		
PTZ	PTZ Control		
ġ:	Setting	English	Traditional Chinese
	Video Format		
器	Network	Auto Update Reset Settings	
-~-	System	Reset	1 <u> </u>
			I your current settings but keep webpage ttings. Do you want to continue this operation? OK

**[Note]** When factory default is activated, the password of Webpage login and RTSP will not be set to default.

#### **Camera Reboot**

Restart the camera manually.

- 1. In live screen view, select System > Camera Reboot.
- 2. Select Reboot.
- 3. Select the **Continue** to restart the camera.

A۱	le <b>r</b>	
PTZ	PTZ Control	
ø	Setting	English Traditional Chinese
E	Video Format	
묢	Network	
-~-	System	
۱	Audio	Camera Reboot
		Reboot
		Change WEB Access Password
		Are you sure you want to reboot the camera.
		Cancel Continue

#### **Change Password**

Change the Web login password. The default password is aver4321.

- 1. In live screen view, select System > Change Password > Change WEB Access Password.
- 2. Enter the old password, and then enter the new password.
- 3. Select Change to save the new password.
- 4. If users forget the password and want to revert back to the default password, please use PTZApp (on FW update page) or OSD to reset it.

AV	(e <b>r</b>		
PTZ	PTZ Control		
ø	Setting	English Traditional Chinese	
Ĩ	- Video Format		
윪	Network		
-~-	System		
(پ	Audio		
		Rehord	
		Change Password	
		Change WEB Access Password	
		Import	
		Enter the old password	
		inter a new password. Please enter 6~10 alphabets or numb	ers.
		Cancel Change	

### **SSL Certificate**

Import the SSL certificate from specific location.

- 1. In live screen view, select System > SSL Certificate.
- 2. Select the type by clicking +.
- 3. Direct the file location.
- 4. Select Import.

PTZ	PTZ Control	Language
ö	Setting	English Traditional Chinese
⊞	Video Format	
品	Network	
-~-	System	
(ه	Audio	
		Change WER Access Password
		SSL Certificate
		Import
		Date Fyrmana
		yyyy-mm-dd mm-dd-yyyy dd-r
		J L
	No	ote: After importing the SSL certificate, you will be back to login.
		<u> </u>
		Cancel Import

### **Date Format**

Select the date format.

In live screen view, select System > Date Format > yyyy-mm-dd, mm-dd-yyyy, or dd-mm-yyyy.

A	le <b>r</b>				
PTZ	PTZ Control				
ŵ	Setting	English	Traditional Chinese		
⊞	Video Format				
묢	Network				
-^-	System				
4)	Audio				
	_	Import			
		Date Format			
		yyyy-mm-dd	mm-dd-yyyy	dd-mm-yyyy	
		lime ⊢ormat			
		24-Hour	12-Hour		

#### **Time Format**

Select the time format.

In live screen view, select System > Time Format > 24-Hour or 12-Hour.

A	le <b>r</b>			
PTZ	PTZ Control			
ø	Setting	English	Traditional Chinese	
	Video Format			
묢	Network			
-^-	System			
۱	Audio			
		yyyy-mm-dd	mm-dd-yyyy	
		Time Format		
		24-Hour	12-Hour	

#### **Time Correction Mode**

Adjust time by auto or manual.

In live screen view, select System > Enable NTP > Auto or Manual.

Auto: The system time will be set by NTP server on the network. Enter the IP address of NTP server and select the Time Zone. Select NTP Update to save setting. Select Activate to start auto time adjustment.

**[Note]** Our default NTP server is located in the USA. If this does not work in your country, please manually key in the desired NTP server.

Time Correction Mode		
Auto Manual		
NTP Server	Time Zone	NTP Update
pool.ntp.org	UTC-12:00 ¥	
	Activate	

Manual: User can set up time by manually. Enter the Year, Month, Day, Hour, and Minutes. Select Confirm to save the settings.

Time Correction Mode		
Auto Manual		
Year / Month / Day           2000         /         01         /         15		Hour : Minutes
	Confirm	

#### Information

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

#### Address, and Time.

In live screen view, select System > Information.



# **Audio Setting**

#### **Noise Suppression**

Enable/Disable reduce ambient noise.

In live screen view, select Audio > Noise Suppression > Off or On.

When enabling the reduced noise suppression function, please set the value of noise suppression (20

~ 40).

AV	le <b>r</b>			
PTZ	PTZ Control	Noise Suppression		
ŵ	Setting	Noise Suppression Value (20~40		
	Video Format	20		
格	Network	Automatically Gain Control		
-~-	System	Off On		
	Audio	Echo Cancellation		
		Off On		
		Off On		
		Phone In	3.5mm External Microphone Only	
		All Individual		

#### **Automatic Gain Control**

Enable/disable the automatic gain control.

#### In live screen view, select Audio > Automatic Gain Control > Off or On.

AV	<i>l</i> e <b>r</b>			
₽TZ © Ш	PTZ Control Setting Video Format	Noise Suppression Off On Noise Suppression Value (20 20	-40)	
品	Network	Automatic Gain Control		
-~-	System	Off On		
	Audio	Echo Cancellation		
		Off On		
		Off On		
		Phone In	3.5mm External Microphone Only	
		All Individua		

### **Echo Cancellation**

Enable/disable echo situation.

In live screen view, select Audio > Echo Cancellation > Off or On.

A	/e <b>r</b>			
PTZ	PTZ Control	Noise Suppression	On	
ø	Setting		sion Value (20~40)	
⊞	Video Format		20	
品	Network			
~~	System	Off	On On	
	Audio	Echo Cancellation		
		Off	On	
		Keyboard Noise Sup	pression	
		Off	On	
		Phon	e In	
		All	Individual	

### **Keyboard Noise Suppression**

Enable/disable keyboard noise reduction.

In live screen view, select Audio > Keyboard Noise Suppression > Off or On.

AV	<i>l</i> e <b>r</b>			
PTZ	PTZ Control	Noise Suppression		
Ö	Setting	Noise Suppression Valu		
⊞	Video Format	20		
묢	Network			
-~-	System	Off		
	Audio	Echo Cancellation		
		Off	On	
		Keyboard Noise Suppression		
		no		
		Phone In		
		All		

### Phone In Jack

Set Phone in input source.

In live screen view, 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.
- 3.5 mm External Microphone Only: The speakerphone will transfer the sound that it receives from the external microphone (connected on phone in port) to far site.
- 3.5 mm 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.

AV	le <b>r</b>					
PTZ	PTZ Control	Noise Suppression				
ŵ	Setting		sion Value (20~40)			
⊞	Video Format		20			
묢	Network					
-~-	System	ОП				
	Audio					
		Off				
		Phone In Jack				
		Phone	in in	3.5mm External Microphone Only	3.5mm External Microphone Mix In	

# **Operating the AVer PTZApp**

# **Install AVer PTZApp**

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

# **Use AVer PTZApp to Setup the Camera**

- 1. Run your video application.
- 2. During your video call, you can use the AVer PTZApp to pan, tilt and zoom the camera in/out and enable/disable the backlight feature.
- For the first time use, you can check the connection, camera, and setup the camera's parameters. Each function will be described below:



Currently selected device: This field displays currently selected VC, VB or CAM device controlled by PTZApp. If you have more than one AVer VC, VB or CAM devices connected to this PC/Mac PTZApp is running, you can click on the drop-down list to select other AVer VC, VB or CAM device.



**Function icon:** Click it to switch to the function's page.



- **PTZ:** To control the camera direction, zoom in and out, and to enable/disable the backlight compensation during your video call.
  - Smart Framing: One-click automatic FOV (Field of View) adjustment to fit all participants. Click "Smart Framing" button to enable Smart Framing manually.

**[Note]** While in the video conference meeting, participants must face the camera for proper face detection (SmartFrame). Side facial profiles are not detectable.



- Settings: To setup parameters of the camera. Click the Save button to save all settings. To change all the settings, back to the default values, click the Factory Default button.
  - Flip: If the VC520 Pro is installed in the upside down position, please enable the "Flip" function in the AVer PTZApp, and the screen will display normally.



Tracking Mode: It is a SmartFrame function. One-click automatic FOV (Field of View) adjustment to fit all participants. The user can set SmartFrame to manual, auto, or off mode. When mode is off, the hotkey on the remote control cannot be used.

**[Note]** While in a video meeting, participants must face the camera for face detection. Side facial profile is not detectable.

🐶 AVer PTZApp	
AVer VC520Pro 💌	<b>1</b>
م گ PTZ s	ttings Diagnostic Utility
Baud Rate	9600
Tracking mode	Manual frame
Allow Remote Access	Manual frame Auto frame Off
On Sereen Menu	Load prooot off
Auto Focus	PTZ 💌
Hotkey Control	On 💌
Home Position	Preset 0
Sleep Position	Factory sleep position
Factory Default	Save Cancel

■ **Diagnostic Utility:** To display the S/W and F/W version and the devices connection status. You can update the firmware of the camera and reset Web login password.

Ner PTZApp			• 💌
<b>AVer VC52</b> 0	)Pro 🔻	y	6
₫ĝ₽ PTZ	Setting	js Diagnostic U	Itility
SW 1.4.1098.101 FW 0.0.1000.36 S/N 5100293800025 IP address 10.100.93	.61		
FW Update Re	eset Password	Test Camera	
Troublesh	ooting	Test Speakerphon	e

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



Click icon will launch the browser and connect to the AVer PTZApp web page.

Ner PTZApp		- • •
AVer VC520Pro	•	• 📈 🛛 🖗
۵Ô۵ PTZ	ک Settings	<b>Vo</b> Diagnostic Utility
SW 1.4.1098.101 FW 0.0.1000.36 SN 5100293800025 IP address 10.100.93.61	<b>Q</b> _	_
FW Update Reset Password		Test Camera
Troubleshooting		Test Speakerphone

**Camera):** Click it to view the camera live view. Click the camera icon again to close the camera live view. If the live video does not appear, please check the camera and the laptop/PC connection to make sure all connections are correct and well connected.

Ner PTZApp		• •	₱₽ AVer PTZA	р	
Aver 🛛			AVer	Try closing other programs your webcam.	art video
	کې Settings	Diagnostic Utility	4 4 1 1 1	2 Settings	Diagnostic Utility
SW 1.4.1098.101 FW 0.0.1000.36 S/N 51002938000 IP address 10.100	<b> </b> .		SW 1.4.1098 FW S/N 5100293		
FW Update	Reset Password	Test Camera	FW Update	e	Test Camera
Trouble	eshooting	Test Speakerphone	Tr	oubleshooting	Test Speakerphone
	Normal			Un-no	ormal

**Connection diagnostic:** Display devices connection status. If the AVer PTZApp has detected that camera and laptop/PC are not connected well, the diagram will display an "?" on the camera to indicate the connection has a problem. If the camera is in use by another application, it will display "Can't start video" warning. When the speakerphone cannot be detected, an "X" is display on the diagram.



Test Camera: Click the "Test Camera" to check the camera video display status. You can adjust the camera direction and view of the zoom in/out. To leave the page, click the Abort Diagnostic button.



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



- **FW Update:** Allows the user to update the VC520 Pro camera's firmware.
  - 1. Click" FW Update".
  - 2. A dialog will display the current firmware version and available new firmware version (internet connection is required).

₽₽ Firmware Upgrade		- • •
No new firmware is av Current firmware vers Latest version:		
Cancel	Manual Update	Auto Update

3. To auto update, click "**Auto Update**" and update process will start. The new firmware will be downloaded first; then, the new firmware will be uploaded to the camera.

**[Note]** Please make sure camera, power, and laptop/PC are all well connected and stay connected during the entire process.

- 4. To update the firmware manually, click "**Manual Update**" and locate the new firmware to start the process.
- Troubleshooting: Collect more system information for troubleshooting before you contact AVer technical support.



## Set the Camera Number

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

- 1. If PTZAPP detects the computer is connected to multiple VC/VB/CAM, you can select which camera you like to control through the dropdown list.
- 2. Next, Click Change Binding button.



- 3. Select which camera number of remote control it maps to.
- 4. Click Save to save settings. To un-save the settings, click Abort.



**[Note]** If you only have one camera that requires no additional setting, the default is camera 1. If camera 2 or 3 is selected, the remote will be unable to control the camera. In this case, please press camera 1 on your remote.

### **Reset Password**

Set Web access password back to default. The default password is "aver4321".

r∕ AVer PTZApp	- • •	
AVer VC520Pro 💌	<b>1</b>	
d Ô ⊅ {ô} PTZ Settings	Diagnostic Utility	
9	<b>, , , , , , , , , , , , , , , , ,</b>	
SW 1.4.1098.101 FW 0.0.1000.36 SNI\5100293800025 IP address 10.100.93.61		
FW Update Reset Password	Test Camera	
Troubleshooting	Test Speakerphone	
L.		
Ner PTZApp		
Do you want to reset the WEB password to factory default? Default password: aver4321		
Cancel	Confirm	

# **Hotkey Control**

Enable hotkey control to use keyboard control camera's movement, backlight, and Smart Framing.

- 1. Select "Settings"
- 2. Set Hotkey Control to "On".

	Ner PTZApp	
	AVer VC520Pro	1 🖊 🏻
	d Ô ⊳ PTZ	Settings Diagnostic Utility
	Allow Remote Access	Yes
	On Screen Menu	Load preset off
	Auto Focus	PTZ
2	Hotkey Control	On 💌
	Home Position	Preset 0
	Sleep Position	Factory sleep position
	OpenGL	Off
	Speakerphone	τ.
	Factory Default	Save Cancel

3. A hotkey description as below figure shown:

Notkey Control	<b>—</b>
Pan / Tilt	$\mathbf{Ctrl} + \uparrow / \downarrow / \leftarrow / \rightarrow$
Zoom In / Out	Ctrl + + / -
WDR	Ctrl + W
Preset Load	Alt + 0~9
Preset Save	Ctrl + Alt + 0~9
Smart Framing	Alt + F

4. When hotkey control is enabled, a hotkey tip will display when mouse is moved to the PTZ control button in PTZ mode.



 If the hotkey function is enabled after installed PTZApp, PTZApp auto launch next time PC reboot. Therefore, the customer can use all the hotkey commands since PTZApp is auto running in system tray.

## Home / Sleep Position

**Home Position:** There are three options: Last operating position/Factory central position/ Preset 0. **Sleep Position:** There are two options -- Factory sleep position/ Preset 9. If the camera idles for more than 3 minutes, it will enter sleep mode.

Ner PTZApp	
<b>AVer</b> VC520Pro <b>•</b>	• 🖉 🛛
¢@¢ PTZ S	ttings Diagnostic Utility
Allow Remote Access	Yes
On Screen Menu	Load preset off
Auto Focus	PTZ 🗸
Hotkey Control	On 💌
Home Position	Preset 0
Sleep Position	Factory sleep position
OpenGL	Off
Speakerphone	-
Factory Default	Save Cancel

## ADDR / Protocol / Baud Rate

These settings are related to RS232 functions. Please choose the corresponding value while connecting with external control panels.



# **OpenGL**

The default setting is Off. If your PC has installed OpenGL, frame rate and video quality can be improved if you turn it on. However, if your PC is without OpenGL, video display issues can arise if OpenGL is enabled.

NVer PTZApp			
AVer VC520Pro 🗸	• • •		
d @ PTZ	ettings Diagnostic Utility		
Allow Remote Access	Yes		
On Screen Menu	Load preset off		
Auto Focus	PTZ		
Hotkey Control	On		
Home Position	Preset 0		
Sleep Position	Factory sleep position		
OpenGL	Off		
Speakerphone	-		
Factory Default	Save Cancel		

# **Use AVer PTZApp to Setup the Speakerphone**

After installing the AVer PTZApp, run the PTZApp on your laptop/PC.

Select "Settings" > scroll down to "Speakerphone" section.

You can adjust the following settings of the speakerphone.

- Noise suppression: Reduce ambient noise.
- Automatic gain control: Enable/disable the automatic gain control.
- **Echo cancellation:** Enable/disable echo situation.
- Keyboard noise suppression: Enable/disable keyboard noise reduction.
- Phone in jack
  - Phone in: When the mobile phone is connecting to Phone in port, please select "Phone in" option.
  - 3.5mm microphone only: The speakerphone will transfer the sound that it receives from the external microphone (connected on phone in port) to far site.
  - 3.5 mm 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.



# Install EZLive

Please go to <u>http://www.aver.com/download-center</u> 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.

