



# **User Manual**

V.1.0.0

#### **IMPORTANT NOTICE**

- PLEASE READ THE INSTRUCTIONS IN THIS MANUAL BEFORE INSTALLING THE TR320 TRACKING CAMERA.
- DO NOT DISASSEMBLE OR MODIFY THE ITEMS BY YOURSELF. CONTACT THE DEALER FOR HELP WHEN THE ITEMS IS FAILED TO WORK.
- ♦ CONNECT THE DEVICES WITH PROPER CABLES.
- ♦ TO REDUCE RISK OF ELECTRIC SHOCK ONLY USE INDOORS.
- ♦ AVOID INSTALLING AT HUMID ENVIRONMENT.

#### Federal Communication Commission Interference 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.

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

#### **European Community Compliance Statement (Class A)**

This product is herewith confirmed to comply with the requirements set out in the Council Directives on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive 2014/30/EU.

**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 to correct this interference.

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The mark of Crossed-out wheeled bin indicates that this product must not be disposed of with your other household waste. Instead, you need to dispose of the waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information about where to drop off your waste equipment for recycling, please contact your household waste disposal service or the shop where you purchased the product.

[별표 4]

### 사용자안내문

٨]-	용	자	안	내	고 고
이 기기는 업무용 화경에서	사용	· 핰·	목적으	로	적합성평가를 받은 기기로서
가정용 환경에서 사용하는					

※ 사용자 안내문은 "업무용 방송통신기자재"에만 적용한다.

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# INTRODUCTION

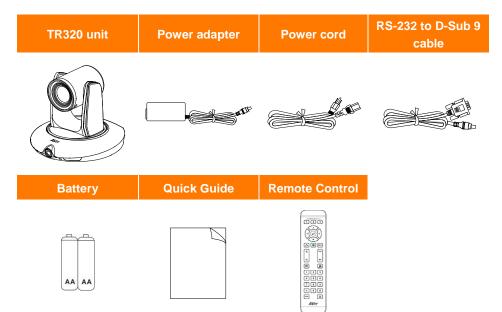
AVer TR320 is a professional tracking camera which supports the wide area tracking mode. The TR320 uses body motion and image analysis algorithm to track the intended target; the target subject does not need to wear any signal transmitting device. The TR320 can communicate with most recording systems through RS232, RS485 or an IP network interface.

## **Package Contents**

The following items are included in the package.

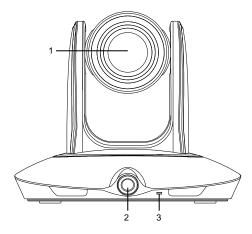
#### [Note]

- 1. Do not disassemble or modify the items by yourself. Contact the dealer for help when the item failed to work.
- 2. Store the items in a dry place away from moisture.

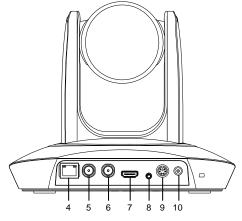


[Note] The power cord will vary depending on the standard power outlet of the country where it is sold.

## **Product Overview**

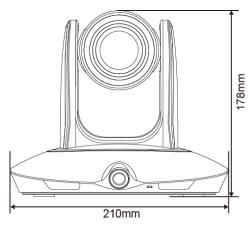


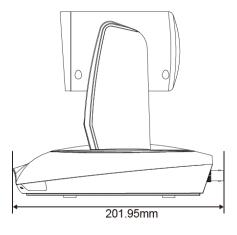
- 1. PTZ camera
- 2. Panoramic camera
- 3. Power indicator
- 4. RJ-45 port
- 5. 3G-SDI 2 port(Panoramic view)



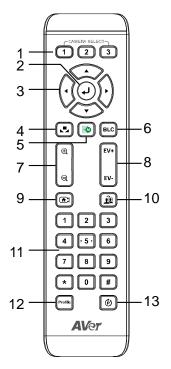
- 6. 3G-SDI 1 port(PTZ view)
- 7. HDMI port(PTZ view)
- 8. Video in port
- 9. RS-232 port
- 10. Power jack

## Dimension





## **Remote Controller**



1. Camera select

**[Note]** Only channel No.1 is available. Before you use remote, please press channel 1 first.

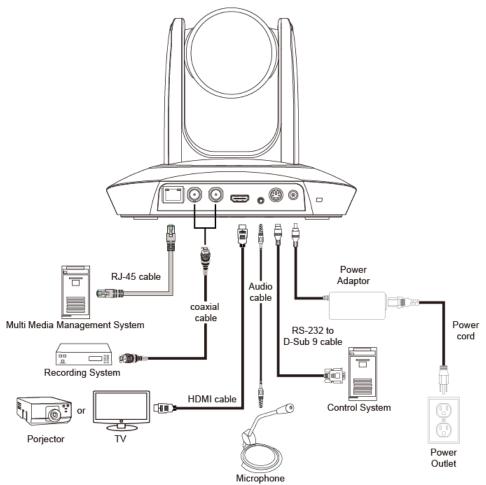
- 2. Enter
- 3. Camera direction control
- 4. White balance
- 5. OSD menu
- 6. Back light control
- 7. Zoom in/out
- 8. Exposure compensation

9. Back to zero position(home preset)
[Note] Press and hold 3 seconds to turn on or turn off the TR320 unit.
Only supported with TR320 FW version
0.0.1000.08 and above.

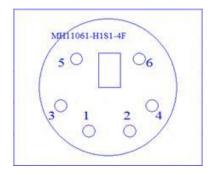
- 10. Tracking on/off
- 11. Number buttons
- 12. Profile
- 13. Preset

# **CONNECTIONS**

### **Device Connections**



## **RS232 Pin Definition**



Pin	Definition
1	RS232_DTR
2	RS232_DSR
3	N.C.
4	RS232_TXD
5	GND
6	RS232_RXD

# **MODE INTRODUCTION**

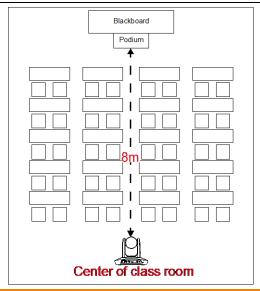
## Wide Area Mode

#### Application

- This mode is suitable for teacher or lecturer tracking in normal classroom. The algorithm is based on face detection.
- Regardless of the target close to or away from TR320, the tracking camera will automatically zoom in/out to maintain the appropriate size and proportion.
- If the tracking target is locked, TR320 will not be affected by the other moving objects.
- ♦ Limitation
  - This mode is easily affected by the brown objects or the color similar to skin. Things like cartons and wood furniture.
  - It should be used in a brightly lit environment. If the light level is not enough, it may not be able to properly track the object.
  - It should not be used in an environment with high bright contrast. For example, the environment with lots of IFP or projectors in the background. When the target enters or leaves the high bright contrast zone, the TR camera may not be able to track the object properly.

Install height range (from floor): 2 ~ 3m; 2.4m is suggested.

- Distance range to podium: 4~10m; 8m is suggested.
- **Position:** Center of class room.



# WEB SETUP

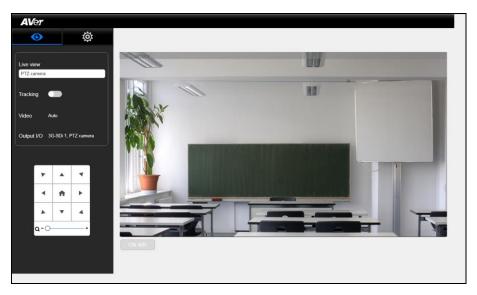
## Make a Connection to TR320 via a Web Browser

1. Find the IP address of TR320: call out OSD menu of the TR320. Use ▲ and ▼ buttons on remote controller to go to "Information" to find the IP address information.

Tracking	Off		
Camera	>		
Video Format	>		
Advanced Setting	>		
Preset	>		
Language	>		
Profile	>		
Factory Default	>		
Information	>	Firmware Version	0.0.1000.39
Display	>	IP Address	192.168.1.1
		MAC	00:18:1A:04:AE:A1

- 2. Open the browser on your PC and enter the IP address of TR320.
- 3. Enter the password of TR320 to login. The default password is "admin".

4. After login, User should see the main interface of TR320.



## Make a Connection to TR320 via AVer IPCam Utility

[Note] The TR320 FW version 0.0.1000.08 and above supports IPCam Utility application.

To find the IP address of your cameras, you can execute the IPCam Utility installer. Follow the below steps to find the IP address of camera.

- 1. Download the IPCam Utility from http://www.aver.com/download-center .
- 2. Run the IPCam Utility.
- 3. Click Search, and all available devices will be listed on the screen.
- 4. Select a camera from the list.
- 5. The corresponding fields of IP address will display.
- 6. Double-click on the IP address of camera from the list can connect to camera through the browser.

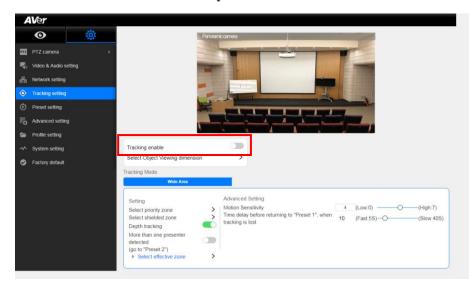
[Note] If IPCam utility cannot find the camera, please check following:

- 1. Please make sure the Ethernet connection of camera is well connected.
- 2. The camera and PC (IPCam utility) are in the same LAN segment.

Cam Utility	v2.7.1029.34							
work Devic	e			-Login-				
altek PCIe (	- GBE Family Contro	ller 🔹	Search	1     ]				
				User	ID	Pas	sword	
work Settir	Date/Time Se	tting   Maintena	nce Import/Export	Config				
earch Resul		- 1		-1				
Select A	AII							
No.	Status	Progress	Model Name	Device Name	FW version	IPv4 Address	MAC Address	IPv6
	Working	Progress	Tracking Camera	Tracking Camera	0.0.1000.38	10.100.93.34:80	00:18:1a:00:54:87	[]:80
L.	Wonling		Hucking current	Thereing carriera	0.0.1000.50	101100100101010	00110110100101107	[].00
•								•
ettings								
Device Nam	ne:			Start IP Address:				
				End IP Address:				
O DHCP				Lind In Address.	· ·			
C Static IF	<b>,</b>			Subnet Mask:				
				Gateway:				
					· ·	· ·		
*Auto sear	ch will start after	settings change	d!	Primary DNS:	· ·	· ·		
E Don't	start auto search	this time!		Secondary DNS:				
DUIL								

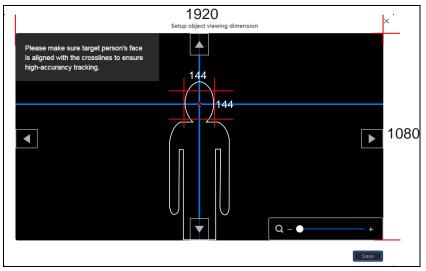
## **Enable Tracking Function**

Turn on and off the tracking function. Select i > Tracking setting > Tracking on.



## **Setup Object Viewing Dimension**

Please make sure the target person's face is aligned with the crosslines to ensure high-accuracy tracking. Use the camera zoom and positioning to get the best coverage. Typically you can just use your thumb size as a good yardstick. You should only have to do this once.



To set the object size for tracking select  $\bigcirc$  > Tracking setting > Setup object viewing dimension (Also see Object Viewing Dimension Setting chapter).

Use ▲, ▼, ◀, ▶ and zoom in/out to adjust object size. Then, click "Save" to save the setting.

	Setup obj	ect viewing dimension		×
Please make sure target person's face is aligned with the crosslines to ensure high-accurancy tracking.				
•				
			Q - •	+
				Save

## Wide Area Mode

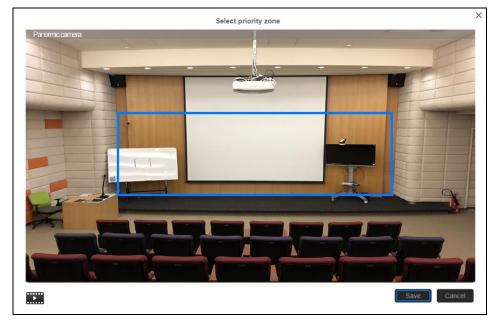
In Wide Area mode, the TR320 will start tracking when object enters the priority zone and the face of the object is detected.

### **Setup Priority Zone**

If the TR320 detects motion in the defined zone it will be triggered to start tracking. If a priority zone isn't setup, then, the entire panoramic camera view will be the default active zone.

[Note] The screen of priority zone setting is based on the panoramic camera view.

- 1. Select O > Tracking setting > Wide Area > Select priority zone.
- 2. An online tutorial will display. User can watch to learn how to setup tracking zone. Click **Skip** to stop tutorial. To watch again, select **where** to play online tutorial.
- 3. In the Select priority zone screen, drag and select the area that needs to be tracked (the blue frame is the tracking area). To re-select the area, just drag and select another wanted area.
- 4. Click "Save" to save the setting.

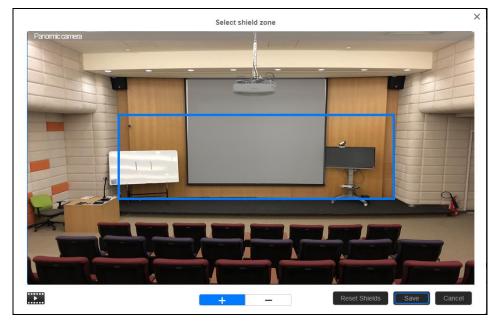


### **Setup Shielded Zone**

Define the area(s) that you don't want the camera to track. The shielded zone(s) should be within the active zone. 8 shielded zones can be set.

[Note] The screen of shielded zone setting is based on panoramic camera view.

- 1. Select Or > Tracking setting > Wide Area > Select shielded zone.
- 2. An online tutorial will display. User can watch to learn how to setup shielded zone. Click **Skip** to stop tutorial. To watch again, select **to** play online tutorial.
- 3. In the Shielded tracking zone screen, click the "+" and select the area(s) that you don't want to track (a gray block will show on the screen). In the example below, you should shield the projector screen and the TV that may influence tracking. In fact, you should shield all areas where you think there might be "motion" interference. To delete the shielded zone area, click "-"and select the shield to delete. Or select "Reset Shields" to delete all shields.
- 4. Select "Save" to save the setting.



### **Setup Multi-people Detection**

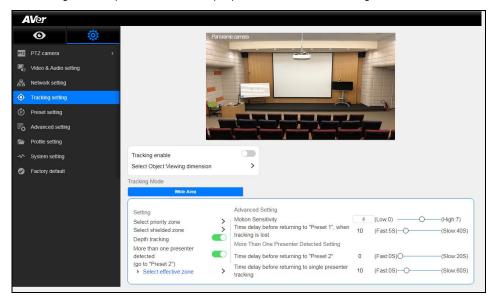
Define the area as a multiple people detection area. The camera will move to preset 2 and stop tracking the original object until the multi-people detection mode is stopped.

[Note] The effective zone setting is based on the panoramic camera view.

- 1. Select O > Tracking setting > Wide Area > Multi-people detection.
- Select "Select effect zone" to set the multiple people detection area. An online tutorial will display. Click Skip to stop tutorial. To watch again, select to play online tutorial.
- In the "Select effect zone" screen, drag and set the area to be the designated multiple people detection area (an orange frame will show on screen). To re-set the area, just drag again. Select "Save" to save the setting.



- 4. Time to go preset 2: set the time to move the camera to preset 2 after multi-people detection is activated.
- 5. **Time delay before returning to single presenter tracking:** set the time period to back to tracking the main presenter after multi-people detection mode is no longer effective



## **Preset Setup**

Define the specific location to view when select preset number (1~255). When TR320 loses tracking, it will back to the preset 1 position.

- 1. Open the browser and enter the IP address of TR320 to.
- 2. Select O > Preset Setting.
- 3. Use the direction control panel to adjust the TR320 to the desired position.
- 4. Next, select the preset number in "Save to Preset" column and click "Save" button to save the preset.

Ver										
•				PTZ camera						
PTZ camera >						An Contraction of the Contractio				
Video & Audio setting										
Tracking setting					15-7	and a (dat) and an	-			
Preset setting					74					
Advanced setting							18			
Profile setting				ATT STA				Non A		
System setting						178- 80		<b>H</b> CIN	T	
Factory default	et Prese	et				Call Preset				
	٣		-			Preset 1	Preset 2	Preset 3	Preset 4	Preset 5
	•		•			Preset 6	Preset 7	Preset 8	Preset 9	Preset 10
		A		Save to Preset	OK	Preset 11	Preset 12	Preset 13	Preset 14	Preset 15
	*	•	4			Preset 16 Preset 21	Preset 17 Preset 22	Preset 18	Preset 19 Preset 24	Preset 20 Preset 25
	<b>a</b> -0		•			Preset 26	Preset 22 Preset 27	Preset 23 Preset 28	Preset 29	Preset 25
								1-60 61-90		

- 5. Select any preset number in the Call Preset section to re-call that preset location immediately.
- After calling any preset, the tracking feature will be turned off automatically. Remember to turn on the tracking manually. Or press in a control on remote controller.

## Firmware Update

- 1. Download the newest firmware from http://pro.averusa.com
- 2. Connect to camera through browser.
- 3. Select System > Firmware > Upgrade firmware > Upgrade.
- 4. Select the firmware and select "Upload" button.
- 5. After updating, refresh the browser.

<b>AV</b> er		
•	Change camera password	
PTZ camera →	Camera ID Tracking Camera Camera Password *****	i I I I I I I I I I I I I I I I I I I I
器 Network setting	Firmware	
• Tracking setting	Upgrade firmware Upgrade Current version 0.0.1000.38	
Preset setting	Download firmware Download	
C Advanced setting	Last version 0.0.1000.32	
Frofile setting		
-V- System setting	MAC 00:18:1A:00:54:87	
Factory default	Wake on LAN	
	Import Setting Import	
	Export Setting Export	

## **Using RTSP Connect to Camera**

Use RTSP player connecting to camera; please enter the following RTSP URL in your application such as VLC, PotPlayer, or QuickTime.

PTZ camera: rtsp:// IP address of TR320:554/live\_st1

For example: rtsp://192.168.1.1:554/live\_st1

Panoramic camera: rtsp://IP address of TR320:8554/live\_st2 For example: rtsp://192.168.1.1:8554/live\_st2

# OSD SETUP

## **Before You Begin**

Make sure all connections are connected successfully before using the TR320.

## **First Time Use**

## Trigger OSD Menu

Press button on remote controller to call out the OSD menu. Use > to enter sub-menu, use >

and  $\bullet$  to move to the selection and use  $(\downarrow)$  to confirm the selection. Press  $\blacktriangleleft$  button to go back to the previous level.

1	Blue text indicates the current selection.
2	">" means has sub-menu or value selection.
3	Sub-menu
4	Column for enter value or value selections.

			3	3	
	Tracking	On			
	Camera	>	Camera ID	>	TR320
	Video Format	>	DHCP	>	
	Advanced Setting	>	Static IP	>	
	Preset	>	PTZ Camera	>	4
	Language	>	L		ı ı
	Profile	>			
	Factory Default	>	2		
	Information	>			
	Display	>			

### Setup IP Address

Setup IP address of TR320.

There are two ways to setup IP address of TR320. Please follow the steps below to setup the IP address.

#### Static IP Address

Assign a fixed IP address for TR320.

- 1. After starting-up, press button on remote control to call out OSD menu.
- Turn the DHCP off first. Go to Camera > DHCP > DHCP > Off then press ► or enter button to confirm the selection. The menu selection will switch to "Static IP" when DHCP off is applied.
- 3. Use A, v, Enter button, and on-screen keyboard to setup the "IP", "Gateway", "Mask" and "DNS".

Tracking	On															
Camera	>	Camera ID														
Video Format		DHCP											0			
Advanced Setting		Static IP		> 192.168.1.1	1	2	3	4	5	6	7	8	9	0	•	ii.
Preset		PTZ Camera	Gateway	>	q	w	e	r	t	у	u	1	0	p	l	1
Language			Mask	>	a	5	d	f	9	h	j.	k	1	1	•	11
Profile			DNS	>	z	х	C	ν	b	n	m	1993		1	1	Del
Factory Default					A/a				C	Cancel	Back	space		4	E	nter
information																
Display																

#### Dynamic IP Address(DHCP)

Get IP address from your local DHCP server.

- 1. After starting-up, press button on remote control to call out OSD menu.
- Use ▲ and ▼ buttons to select the Camera > DHCP > DHCP > On, then press ► or enter button to get IP address from local DHCP server.

Tracking	On					
Camera	>	Camera ID				
Video Format		DHCP	>	DHCP 192.168.1.1	Off	On
Advanced Setting		Static IP				Off
Preset		PTZ Camera				
Language						
Profile						
Factory Default						
Information						
Display						

3. Use ▲ and ▼ buttons go to "Information" to check the IP address information.

Tracking	Off		
Camera	>		
Video Format	>		
Advanced Setting	>		
Preset	>		
Language	>		
Profile	>		
Factory Default	>		
Information	>	Firmware Version	0.0.1000.38
Display	>	IP Address	10.100.93.34
		MAC	00:18:1A:00:54:87

## **OSD Tree Map**

### Main

Tracking	On
Camera	<
Video Format	>
Preset	>
Advanced Setting	>
Language	>
Profile	>
Factory Default	>
Information	>
Display	>

### Tracking

- User can enable or disable auto-tracking.
- TR320 will not track an object automatically when the feature is disabled.
- To enable auto-tracking, please select "On".
- To disable auto-tracking, select "Off".

Tracking	On Or	ı
Camera	> Of	f
Video Format	>	
Advanced Setting	>	
Preset	>	
Language	>	
Profile	>	
Factory Default	>	
Information	>	
Display	>	

### Camera

In the section, users can change camera ID, network setting and adjust parameter of camera settings.

Tracking	On		
Camera	<	Camera ID	>
Video Format	>	DHCP	>
Advanced Setting	>	Static IP	>
Preset	>	PTZ Camera	>
Language	>		
Profile	>		
Factory Default	>		
Information	>		
Display	>		

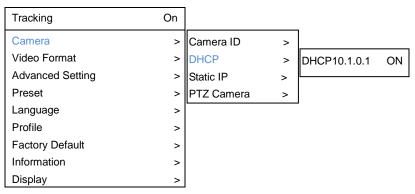
### Camera ID

To change camera ID, please select **Camera > Camera ID**.

Tracking	On			
Camera	>	Camera ID	>	TR320
Video Format	>	DHCP	>	
Advanced Setting	>	Static IP	>	
Preset	>	PTZ Camera	>	
Language	>			
Profile	>			
Factory Default	>			
Information	>			
Display	>			

### <u>DHCP</u>

To enable DHCP, select **Camera > DHCP**.



#### Static IP

To setup network as a static IP, select **Camera > Static IP** (Please set DHCP off before the Static IP setting)

Tracking	On				
Camera	>	Camera ID	>		
Video Format	>	DHCP	>		
Advanced Setting	>	Static IP	>	IP 10.1.0.1	>
Preset	>	PTZ Camera	>	Mask 255.255.0.255	>
Language	>			Gateway 10.1.0.1	>
Profile	>			DNS	>
Factory Default	>			Bito	-
Information	>				
Display	>				

### PTZ Camera

To adjust the parameters of PTZ camera, select **Camera** >**PTZ Camera**.

Tracking	On			
Camera	>	Camera ID	~	
Video Format	>	DHCP	>	
Advanced Setting	>	Static IP	>	
Preset	>	PTZ Camera	>	
Language	>			
Profile	>		Came	era Mode
Factory Default	>			Full Auto
Information	>			Shutter P
Display				Iris Priori
				Manual
			White	e Balance

Camera Mode Full Auto	>
Full Auto	>
Shutter Priority	>
Iris Priority	>
Manual	>
White Balance	>
Shading Correction	>
Pan/Tile Speed	1
Zoom Speed	Low
Digital Zoom Limit	12
PTZ Zoom Focus	Off
Power Up	Home
Frequency	Auto
Contrast	2
Saturation	5
Sharpness	Medium
NosieReduction	Medium

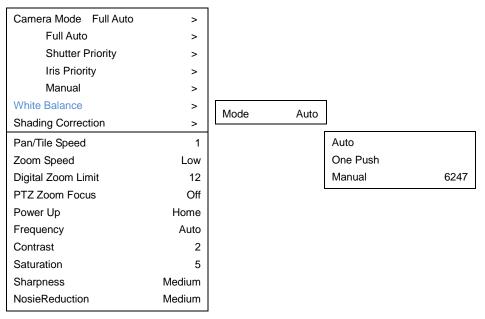
#### Camera Mode

There are 4 different camera modes, you can select one from Camera > PTZ Camera > Camera Mode.

Camera Mode Full Auto Full Auto Shutter Priority Iris Priority Manual White Balance	> > > > >	Full Auto Shutter Priority Iris Priority Manual	> > > >	Slow Shutter Maximum Gain Back Light compens Exposure	Off 24dB Off 0
Shading Correction	>	Full Auto Shutter Priority	> >		
Pan/Tile Speed	1	Iris Priority	>	Speed	1/30
Zoom Speed	Low	Manual	>	Maximum Gain	24dB
Digital Zoom Limit	12			Exposure	0
PTZ Zoom Focus	Off				
Power Up	Home	Full Auto	>		
Frequency	Auto	Shutter Priority	>		
Contrast	2	Iris Priority	>	Slow Shutter	Off
Saturation	5	Manual	>	Iris	F6.8
Sharpness	Medium			Maximum Gain	24dB
NosieReduction	Medium			Exposure	0
		Full Auto	>		
		Shutter Priority	>		
		Iris Priority	>		
		Manual	>	Maximum Gain	24dB
				Speed	1/30
				Iris	F6.8

#### White Balance

To adjust white balance value, select Camera > PTZ Camera > White Balance.



#### **Shading Correction**

To adjust shading correction, select **Camera** > **PTZ Camera** > **Shading Correction** (The option is for the screen corner shadow fixing.)

Camera Mode Full Auto	>		
Full Auto	>		
Shutter Priority	>		
Iris Priority	>		
Manual	>		
White Balance	>		
Shading Correction	>	Upper Left	Off
Pan/Tile Speed	1	Upper Right	Off
Zoom Speed	Low	Bottom Left	Off
Digital Zoom Limit	12	Bottom Right	Off
PTZ Zoom Focus	Off	<b>J</b>	-
Power Up	Home		
Frequency	Auto		
Contrast	2		
Saturation	5		
Sharpness	Medium		
NosieReduction	Medium		
		l	

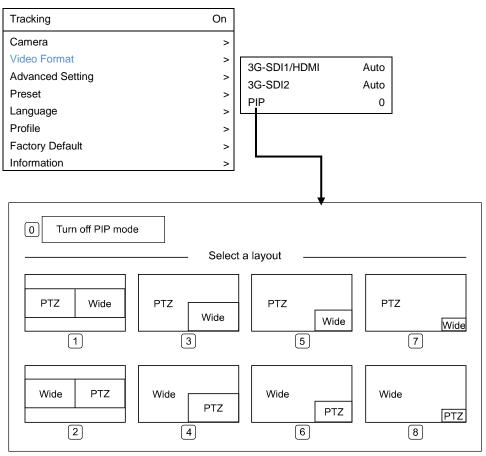
### **Video Format**

To adjust Video Format, select Video Format from OSD menu.

Tracking	On		
Camera	>		
Video Format	>	3G-SDI1/HDMI	Auto
Advanced Setting	>	3G-SDI2	Auto
Preset	>	PIP	Auto 0
Language	>	PIP	0
Profile	>		
Factory Default	>		
Information	>		
Display	>		

#### PIP Mode

Select picture-in-picture(PIP) mode. To turn off the PIP mode, select mode 0.



### **Advanced Setting**

To adjust RS232 protocol, address and baud rate, select Advance Setting from OSD menu.

Tracking	On		
Camera	>		
Video Format	>		
Advanced Setting	>	RS232 Protocol	VISCA
Preset	>	Address(ADDRD)	1
Language	>	Baud Rate	9600
Profile	>	VISCA-over-IP	off
Factory Default	>		
Information	>		
Display	>		

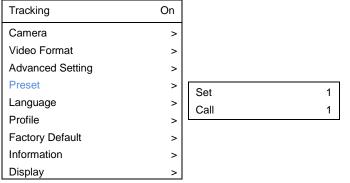
### Preset

TR320 allows you to set 10 preset locations via remote controller.

- To set up preset point:
- 1. Enter OSD and turn off the tracking function.
- 2. Move camera to the preferred location and zoom distance.
- 3. Press bottom > **Preset** > **Set** and use arrow key to assign a preset number and press enter button on remote controller.

[Tip] Shortcut of setting a preset location as following:

Hold on the " $\mathbf{P}$ " button > Press number you want to set, ex: 1 and press enter.



#### To call a preset location:

EM

Press

bottom > Preset > call and use arrow key to select which preset number you would like

to recall -> press enter button on remote controller.

**[Tip]** Shortcut of calling a preset location: hold on the "**P**" button > press number you want to recall, ex: 1.

### Language

To change language, go to **OSD menu > Language**.



### Profile

TR320 allows you to save 5 profiles.

To set the profile, go to OSD menu > Set and use arrow key to assign a number and press enter button.

To call the profile, go to OSD menu > **Apply** and use arrow key to call an assigned number and press enter button.

Tracking	On		
Camera	>		
Video Format	>		
Advanced Setting	>		
Preset	>		
Language	>		
Profile	>		
Factory Default	>	Set	default
Information	>	Apply	default
Display	>		

### **Factory Default**

To reset the TR320 to default setting, go to OSD menu > Factory Default > Yes and press enter button.

Tracking	On	
Camera	~	
Video Format	>	
Advanced Setting	>	
Preset	>	
Language	>	
Profile	>	
Factory Default	>	
Information	>	Yes
Display	>	No

### Information

To check out information on the TR320, ex: FW version. Go to OSD menu > Information.

Tracking	On		
Camera	>		
Video Format	>		
Advanced Setting	>		
Preset	>		
Language	>		
Profile	>		
Factory Default	>		
Information	>	Serial Number	0000
Display	>	Firmware Version	0.0.0002.12
		IP Address	10.1.0.1
		MAC	FB:5F:4B:61:1F:4F

## Display

Enable/disable status message display on screen. Go to OSD menu > **Display**.

Tracking	On			
Camera	>			
Video Format	>			
Advanced Setting	>			
Preset	>			
Language	>			
Profile	>			
Factory Default	>			
Information	>	Status OSD	On	On
Display	>		_	Off

## Hot Key

Press certain button on remote controller to perform hot key function.

Button	Action	Function
	Press and hold(3secs)	Power on/off camera. [Note] Only support at TR320 FW version 0.0.1000.08 and above.
3	Press three times(333)	Enable/Disable tracking function When the hot key takes effect, you will see "tracking on" or "tracking off" on the right bottom side.
6	Press six times(666666)	Enable/Disable AVer Logo When the hot key takes effect, you will see "AVer" logo on the right bottom side.
7	Press seven times(7777777)	Show the tracking indicator When the hot key takes effect, you will see the tracking indicator on the target face. This mode only works in PIP Mode 2
8	Press eight times(88888888)	Set TR320 IP address as default IP(192.168.1.168.)
9	Press nine times(999999999)	Password Reset mechanism: When the hot key takes effect, the password of entering Web UI will go back the default " <b>admin</b> ".

#### 1. How to define the zoom level of tracking target?

It's determined by Setup Object Viewing Dimension. You should stand on the assigned location as a proportional scale and zoom in/out to the proportion that you want. The following tracking will based on this proportion.

#### 2. How preset 1 has influence in the tracking settings?

When tracking cam loses the target, the position camera will go back to preset 1.

#### 3. How does tracking work in Wide Area mode?

When a person enters the priority zone, the PTZ camera will move to the position of the object and perform face detection. After the face is detected, the PTZ camera will start following the person.

#### 4. What is the definition of HOME position?

Home is the default position after the camera boots up. Users can define the position after the camera boots up by going to: WebUI PTZ > PTZ > power up ACT.

#### 5. Are Presets 2 ~ 9 used for anything related to tracking?

If you turn off tracking, the TR320 becomes a regular PTZ camera. User can manipulate it to assign position via center control system command.

#### 6. This camera supports several profiles; does each profile have different PRESETS?

Each profile has its own preset definition.

#### 7. If we want to stop tracking and to focus on a specific location, what should I do?

Press "P" and the preset number. The camera will go to the assigned location.