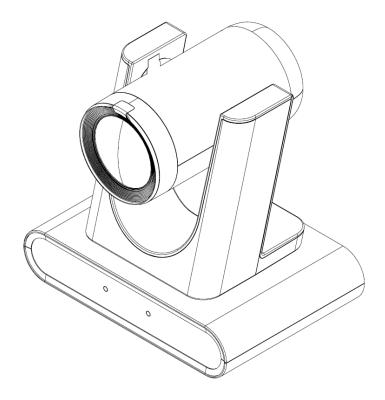
VC-TR60

Auto Tracking Camera

(PTZ Video Camera)

User Manual - English



[Important]

To download the latest version of Quick Start Guide, multilingual user manual, software, or driver, etc., please visit Lumens https://www.MyLumens.com/support



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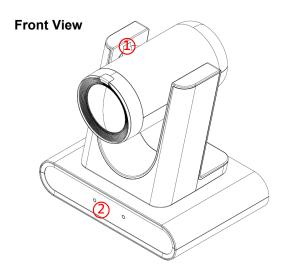


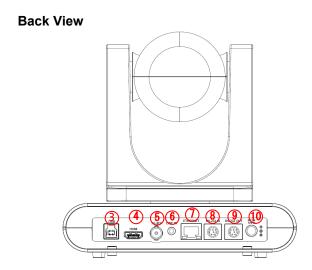
Chapter 1 Package Contents

Camera Power Adapter Power Cord Appearance may vary depending on country/region USB cable - 2M (Type B to Type A) Remote Control Instruction 3-PIN to 2-PIN connector (For Japan only)

Chapter 2 Product Overview

2.1 I/O functions Introduction





NO.	Item	Function Descriptions	
1.	Main camera lens	HD camera lens	
2.	Power/Standby LED indicator	Displaying the status of the camera, please refer to 2.2 Description of LED indicator	
3.	USB Port	The USB port is for connecting to the USB port of the computer and providing USB signal images	
4.	HDMI output	HDMI output (Audio output supported)	
5.	3G-SDI output	3G-SDI output (Audio output supported)	
6.	Audio In	3.5 mm LINE IN	
7.	Network port	Network cable port, supporting PoE (IEEE802.3at) power supply	
8.	RS-232 input	RS-232 input port, at most 7 cameras can be connected in a serial connection	
9.	RS-232 output	RS-232 output port, at most 7 cameras can be connected in a serial connection	
10.	DC 12 V power Port	DC supply connecting port	

2.2 Description of LED indicator

700011011011 01 <u>==</u> == 1141104101				
Status	Power	Standby		
Startup in progress	Green light	Orange light		
In use	Green light	No indicator		
In standby mode	No indicator	Orange light		
Tracking /	Flickering groon light	Flightering groon light		
Auto Framing mode	Flickering green light	Flickering green light		

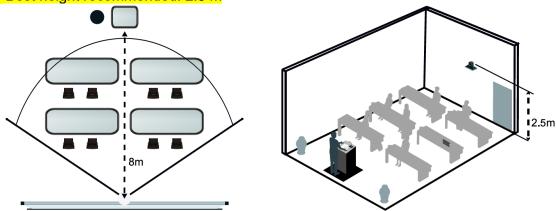


Chapter 3 Instruction for installation

3.1 Scenario

3.1.1 Best tracking target distance recommended: 8 m

3.1.2 Best height recommended: 2.5 m



< Note > For maintaining the best tracking results, please avoid images of people on posters, screens, monitors, TVs in the background

3.2 Preparation before installation

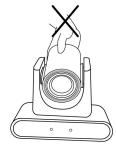
Installation and connection of HD camera requires special skills. To install by yourself, please follow necessary steps, ensure steady and tight installation of the device, and pay attention to your safety to avoid any accident.

- **3.2.1** Ensure the safety of the installation environment. Please do not install the device on unstable ceiling or in a place where the device is in danger of falling to avoid any accident.
- **3.2.2** Please check whether accessories in the box are complete or not. Please contact the supplier for any shortage, and make sure to keep the accessories in the box intact.
- **3.2.3** Please choose a proper place for installation of camera in advance. Please determine an installation place according to the following requirements
 - · Confirm the position for the object to be captured.
 - Confirm whether the camera is set at a proper distance from other light sources.

3.3 Instruction for installation

- **3.3.1** I would like to install camera on the desk
- 3.3.1.1 Precautions for installation
 - · Please install the machine on a flat desk
 - · Do not grab the camera head by hand when handling the device
 - Do not rotate the camera head by hand. Improper rotation may result in breakdown of the camera









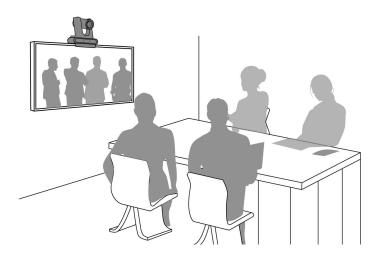


3.3.2 I would like to install the camera on the ceiling/wall/TV stand

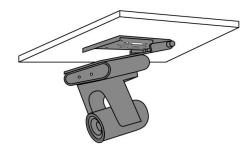
Lumens can provide the following optional accessories. Please contact your Lumens distributer if needed for purchase

- VC-WM14 3 in 1 Folding Bracket
- VC-WM15 Ceiling Mounted Bracket
 For installation of brackets, please download <u>VC-WM14/VC-WM15 Quick Installation Guide</u>
 from the Lumens website

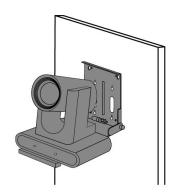
♦ Install on the TV



♦ Install on the ceiling



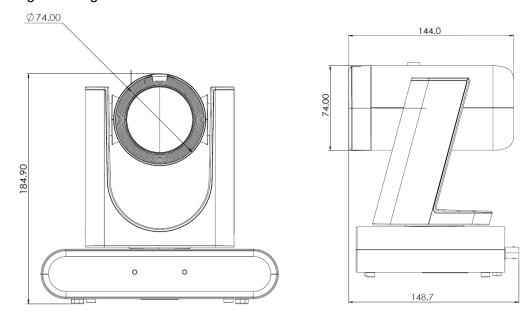
♦ Install on the wall





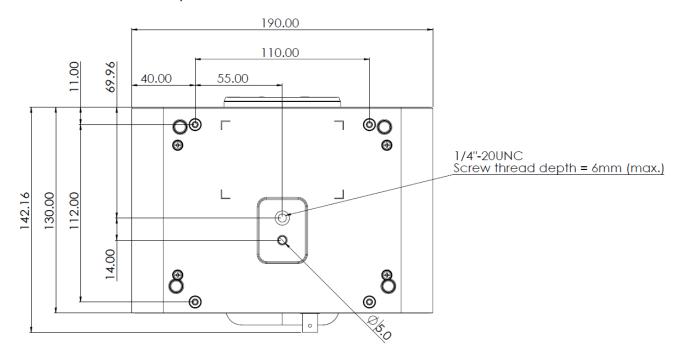
3.3.3 Camera Size

- Length x Width x Height: 190 x 149 x 185 mm
- Weight: 1.6 Kg

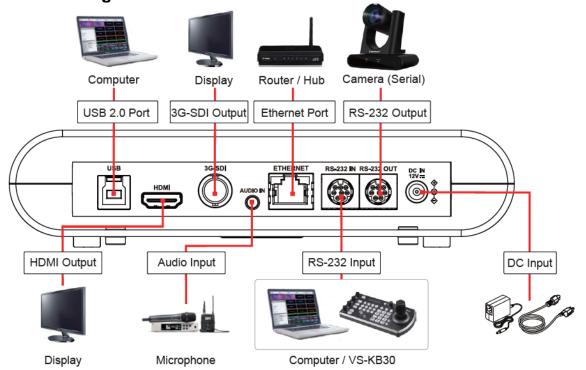


3.3.4 Dimensions of the bottom of the machine

The camera can be mounted on a 1/4" - 20 UNC PTZ tripod deck by using the lock holes on the bottom for the tripod

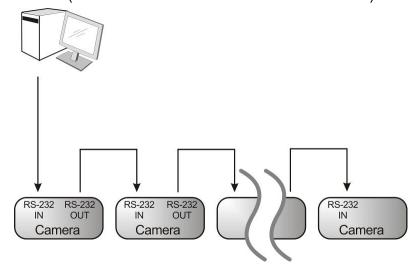


3.4 Connecting devices



<Remark> Network cable port, supporting PoE (IEEE802.3at) power supply

3.4.1 RS-232 connection (at most 7 Lumens cameras can be connected)



■ RS-232 pins definition instructions

▼ RS-232 IN Pins Instructions



NO	Pins	Signals
1	DTR	Data Transmission Reade
2	DSR	Data Set Reade
3	TXD	Transmit Data
4	GND	Ground
5	RXD	Receive Data
6	GND	Ground
7	IR OUT	IR Commander Signal
8	N.C.	No Connection

▼ RS-232 Connection Instructions

RS-232 IN	of VC	RS-232 of PC
1. DTR	\	1. CD
2. DSR	7	→ 2. RXD
3. TXD		3. TXD
4. GND	\rightarrow	4. DTR
5. RXD		5. GND
6. GND		6. DSR
7. IR OU	Т	7. RTS
8. N.C.		8. CTS
		9. RI

▼ RS-232 OUT Pins Instructions



Pins	Signals
DTR	Data Transmission Reade
DSR	Data Set Reade
TXD	Transmit Data
GND	Ground
RXD	Receive Data
GND	Ground
OPEN	Reserved
OPEN	Reserved
	DTR DSR TXD GND RXD GND GND OPEN

▼ RS-232 Connection Instructions

RS-232 of Next Car		RS-232 OUT of Last Camera
1. DTR	_	1. DTR
2. DSR		2. DSR
3. TXD	_	3. TXD
4. GND	\rightarrow	→ 4. GND
5. RXD		5. RXD
6. GND		6. GND
7. IR OUT		7. OPEN
8. N.C.		8. OPEN



Chapter 4 Remote Control and Setting Menu

4.1 Remote Control

	No.	Item	Description
Power Camera select	1.	Power	Power Switch
2 3 4 5 6 7 8 9 Preset Roset V 0 Sack Light	2.	Preset	 Numeric Keys 0 - 9: Click to call the preset Preset: Appoint an ID (0 ~ 9) to save the current position data Reset: Appoint an ID (0 ~ 9) to delete the current position data
	3.	Menu	Display OSD menu
Pan Pan Pan IIII Pan IIII Reset Rese	4.	Pan/Tilt/Enter	Pan/Tilt: Move the lensHome-Enter: Go back to the main page / Execute
Slow Fast	5.	Info	Status information
Auto Far Near Manual	6.	Zoom	■ Fast: Adjust image size ■ Slow: Fine-tune image size
3 — On/Off Full Upper Switch	7.	Focus	 Auto: Auto focus Manual: Enable Manual Focus Far/Near: Adjust the focal length in Manual
10 — Aud raining	8.	Auto Tracking	 On/Off: Enable/Disable Auto Tracking Full: Full body tracking Upper: Half body tracking Switch: Switch tracking object
	9.	L/R Direction Set	L/R Direction / Normal
	10.	Mirror	Rotate the image (OFF / Mirror / Flip / Rotate)
	11.	Camera select	Choose camera ID 1 ~ 3
	12.	Back Light	Turn on/off back light compensation
	13.	Pan/Tilt Reset	Clear the Pan/Tilt setting
	14.	Auto Framing	 On/Off: Enable/Disable Auto Framing Trigger: Manual framing correction



4.2 Setting Menu

<Remark> Press [Menu] on the remote control to enter the setting menu; the bold underlined values in the following table are defaults.

1 st Level	2 nd Level	3 rd Level	
Major Items	Minor Items	Adjustment Values	Function Descriptions
	Mode	<u>Full Auto</u> / Shutter Pri / Iris Pri / Manual / White Board	Exposure mode setting
	Exposure Comp.	On / <u>Off</u>	Turn on/off Exposure Comp.
	Exposure Comp. Level	-6~ <u>C</u> ~4	The value can be adjusted after Exposure Comp. is activated
Exposure	Shutter Speed	1/10000~1/1	Adjustable when the Exposure mode is set to Shutter Pri or Manual
	Iris Level	F1.8~ <u>C</u> ~F11 / Close	Adjustable when the <i>Exposure mode</i> is set to <i>Iris Pri</i> or <i>Manual</i>
	Gain Limit	8~ <u>30</u> dB	Max. limit value of electron gain
	Gain Level	0 ~45dB	Adjustable when the Exposure mode is set to Manual
	WDR	<u>Off</u> / 1 / 2 / 3	WDR settings
White Balance	Mode	 Auto Indoor Outdoor One Push WB ATW Manual Sodium Lamp 	Select the color temperature mode 1. 4000k ~ 7000k 2. 3200k 3. 5800k 4. 1700k ~ 10000k 5. 1700k ~ 10000k 6. Custom 7. 2800k
	One Push Trigger	ENTER	One push trigger
	Manual Red	0~ C ~128	Adjustable when the white balance mode is set to <i>Manual</i>
	Manual Blue	0~ C ~128	Adjustable when the white balance mode is set to <i>Manual</i>
Tracking	Туре	Auto Tracking / Auto Framing	
	3D NR	Off / Low / <u>Standard</u> / Highest	3D noise reduction
	Image Mode	<u>Default</u> / Custom	The user may customize his/her desired image mode
Picture	Gamma	0~ C ~3	Adjustable when the <i>Image mode</i> is set to <i>Custom</i>
	Brightness	0~ C ~25	Adjustable when the <i>Image mode</i> is set to <i>Custom</i>
	Contrast	0~ <u>C</u> ~25	Adjustable when the <i>Image mode</i> is set to <i>Custom</i>



1 st Level Major Items	2 nd Level Minor Items	3 rd Level Adjustment Values	Function Descriptions
	Saturation	0~ C ~25	Adjustable when the <i>Image mode</i> is set to <i>Custom</i>
	Sharpness	0~ <u>C</u> ~ <mark>11</mark>	Adjustable when the <i>Image mode</i> is set to <i>Custom</i>
	Pan/Tilt Limit	On / <u>Off</u>	Turn on/off the angle limit setting
	Pan Right Limit	0~ <u>170</u>	Limit the right angle
	Pan Left Limit	<u>-170</u> ~0	Limit the left angle
	Tilt UP Limit	0~ <u>90</u>	Limit the upward angle
	Tilt Down Limit	-30 ~0	Limit the downward angle
	Pan Flip	On / <u>Off</u>	After it is activated, the Pan command will be reverse
Pan Tilt Zoom	Tilt Flip	On / <u>Off</u>	After it is activated, the Tilt command will be reverse
	Preset Speed	5 / 25 / 50 / 80 / 120 deg/sec	Set the PTZ rotation speed when Preset is performed
	PTZ Speed Comp	On / <u>Off</u>	Set the Pan/Tilt moving speed to vary from the zoom position
	D-Zoom Mode	Digital Zoom / Sensor Zoom	Set the zoom mode
	D-Zoom/Sensor Zoom Limit	Digital Zoom: <u>x1</u> ~ x8 Sensor Zoom: <u>x1</u> ~ x3	Select the zoom mode to set the zoom limit
D-Effect	Mirror	OFF / Mirror / Flip / Mirror + Flip	Set the mode at which the image is turned
	AF Sensitivity	Low / <u>Mid</u> / High	For AF triggering speed, the higher the speed is, the faster AF is triggered
	AF Frame	Center / Full Frame	AF frame setting, when <i>Central</i> was set as AF frame, focusing will be on the center of the screen. When Full Frame was set as AF frame, focusing will be calculated based on the full screen
Auto Focus	Zoom Tracking	On / <u>Off</u>	This function can be set in the Manual Focus (MF) mode In Manual Focus mode, check whether focus is enabled during lens zooming
	PTZ Assist	On / <u>Off</u>	This function can only be enabled in the Manual Focus (MF) mode When PTZ Assist is enabled and PTZ control is in operation, the focus will be triggered. The focus will not be triggered when the scene changes
Ethernet	DHCP	<u>On</u> / Off	Enable/disable the dynamic host configuration



	2 nd Level Minor Items	A alimator and Malman	Function Descriptions
		Adjustment Values	Function Descriptions
Sı	P Address	<u>192.168.100.100</u>	
	ubnet Mask	255.255.255.0	Configurable when DHCP is set to Off
Ga	ateway	192.168.100.254	
Au	udio Enable	On / Off	Turn on/off audio output
Au	udio In	Line In	
Au	udio Volume	0~ C ~10	Audio Volume Setting
Audio	udio Delay	On / <u>Off</u>	When the audio is not synchronized with the video, enable this function to set the audio delay time
	udio Delay Time ns)	<u>-10</u> ~-500ms	Set audio delay time
	ncode Sample ate	48 KHz (AAC)	Set the encode type and sample rate
Pr	rompt	On / Off	Turn on/off the prompt information on the display
IR	Receive	<u>On</u> / Off	Turn on/off the infrared reception When it is Off, the remote control will not be able to control the camera. At this moment, turn off and then turn on the power to restore control of the remote control.
IR	R Select	<u>1</u> /2/3	Camera IR Select setting must be the same setting as the Camera Select of the remote control to control the camera
Та	ally Lamp	On / Off	Select to enable or disable Tally Lamp function.
System	ally CMMD Mode	Normal / <u>Link</u>	Set whether the indicator light is linked with RS232 command Normal (Not linked): The indicator light switch and mode shall be set separately. When the indicator light is on and the default mode is off, additional command is required to set the indicator light mode Setting indicator light mode when the indicator light is off will not trigger the indicator light Link: When the indicator light is on, the default mode is red light Setting indicator light mode when the indicator light is off will turn on the indicator light is off will turn on the indicator light
La	anguage	English / Chinese	
In	itial Position	Last MEM / 1st Preset	Select the camera lens to return to the



1 st Level Major Items	2 nd Level Minor Items	3 rd Level Adjustment Values	Function Descriptions
			Last MEM position or the 1st Preset position after POWER ON <remark> 1st Preset = Preset 0</remark>
	Motionless Preset	On / Off	When the function is enabled, the screen will Freeze when <i>Preset</i> is executed. Freeze will be released after <i>Preset</i> is completed
	Privacy Mode	On / <u>Off</u>	Enable/Cancel Privacy Mode After the function is enabled, when the camera is turned off via the remote control or software, the lens will automatically turn to the bottom right to ensure the user's privacy
	Protocol	<u>VISCA</u>	VISCA/PELCO D protocol is supported
	Baud Rate	9600 /38400	Choose the transmission speed of the control signal
	VISCA Address	<u>0</u> ~7	The camera ID address can be assigned. Select 0 for automation.
	HDMI	2160P 59.94/50/29.97/25 1080p 59.94/50/29.97/25 720p 59.94/50/29.97/25 1080i 59.94/50	Select the HDMI output resolution
	SDI	1080p/59.94/50/29.97/25 720p 59.94/50 1080i/59.94/50	Select the SDI output resolution
	Factory Reset	On / <u>Off</u>	Resume the factory default setting
Status			Display the current setting status





Chapter 5 Network Function Settings Description

5.1 Connecting Camera to Network

5.1.1 Connecting to Internet

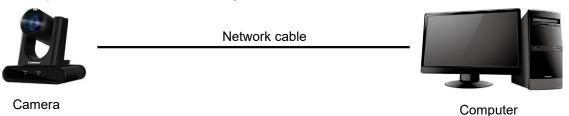
Two common connection methods are shown below

1. Connecting via switch or router

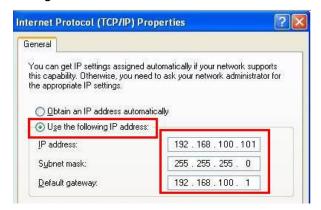


2. To connect directly through network cable, the IP address of the computer should be changed so that it is on the same network segment as the camera

E.g.: The factory-preset default IP address of the camera is 192.168.100.100. The computer IP address must be set with the same network segment, such as 192.168.100.101, so that the computer can be connected correctly with the camera



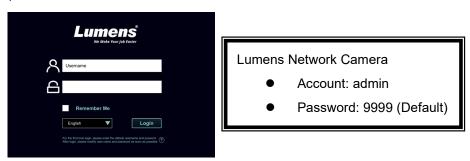
• Change network settings



5.1.2 Using the Browser to View the Images

- Open the browser, and enter the IP address of the camera in the address bar E.g.: http://192.168.100.100 (default IP address)
- Enter administrator's account and password

<Remark> For the first-time login, please refer to <u>5.2.10 System Settings - User</u> to change the default password





5.1.3 Using RTSP Player to View the Images

RTSP connections can be made using free software, e.g.: VLC, Quick Time, PotPlayer, etc.

RTSP connection address formats are as follows:

- RTSP Stream 1 => rtsp://camera IP:8557/stream1
- RTSP Stream 2 => rtsp://camera IP:8557/stream2

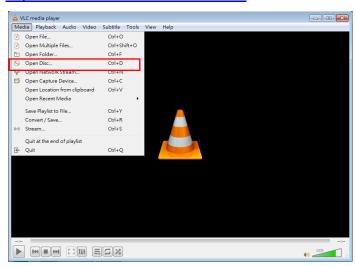
If password authentication is enabled, the RTSP connection address is as follows:

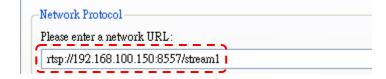
- rtsp://Username:Password@VC IP address:8557/stream1 (or stream2)
- To enable password authentication function, please refer to <u>5.2.8 System Setting</u> Network

Example:

Open the VLC software, click [Open Network Streaming], and enter the URL:

rtsp://192.168.100.150:8557/stream1

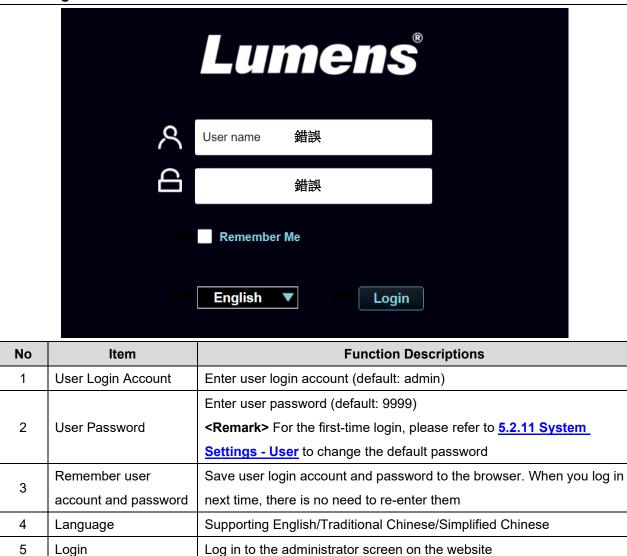






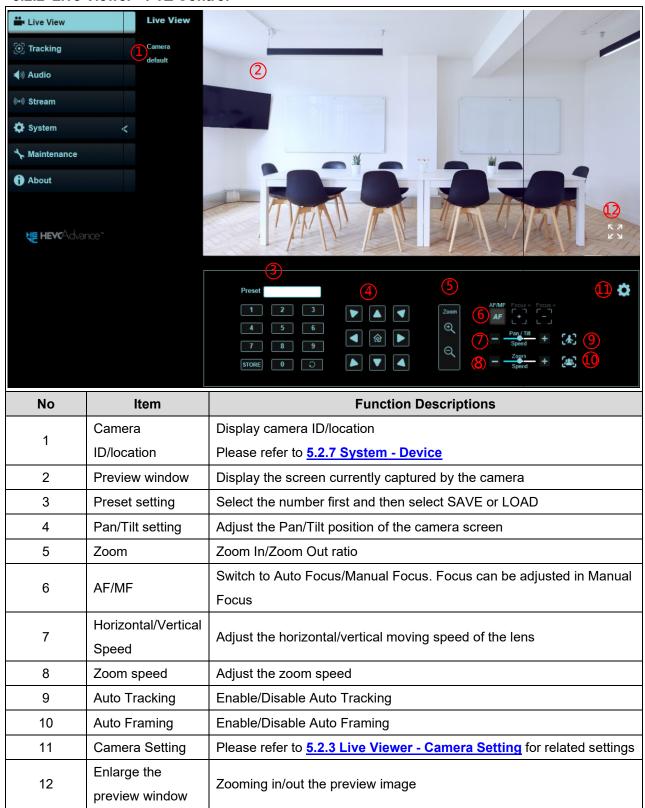
5.2 Web Page Menu Function Description

5.2.1 Login Screen



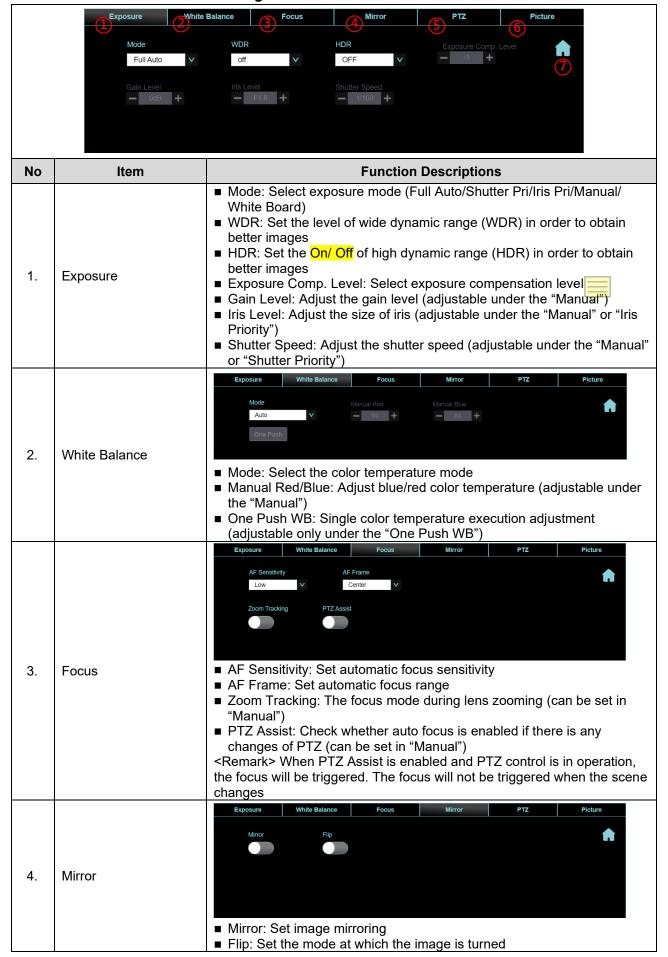


5.2.2 Live Viewer - PTZ Control





5.2.3 Live Viewer - Camera Setting

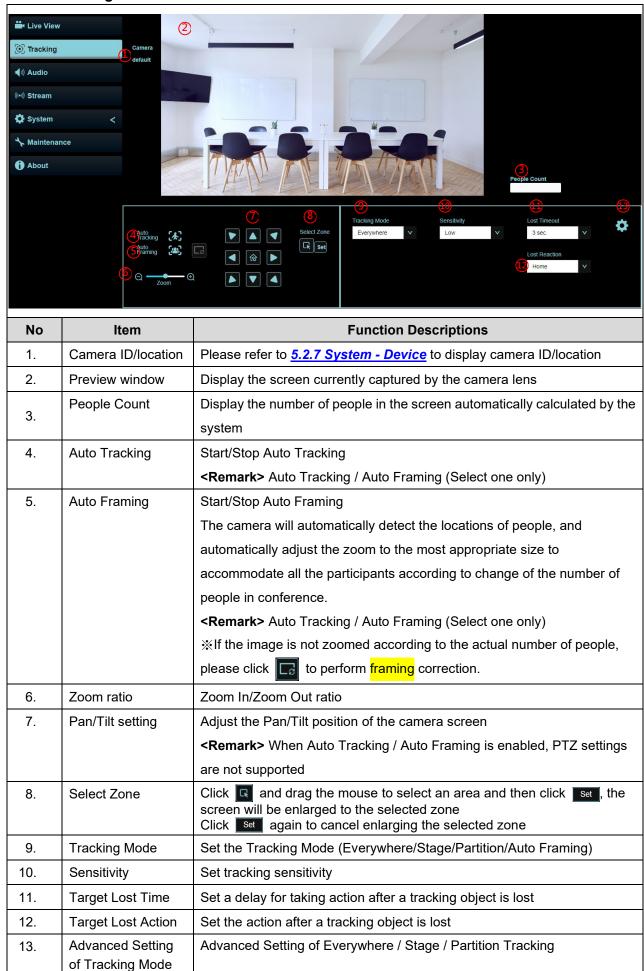




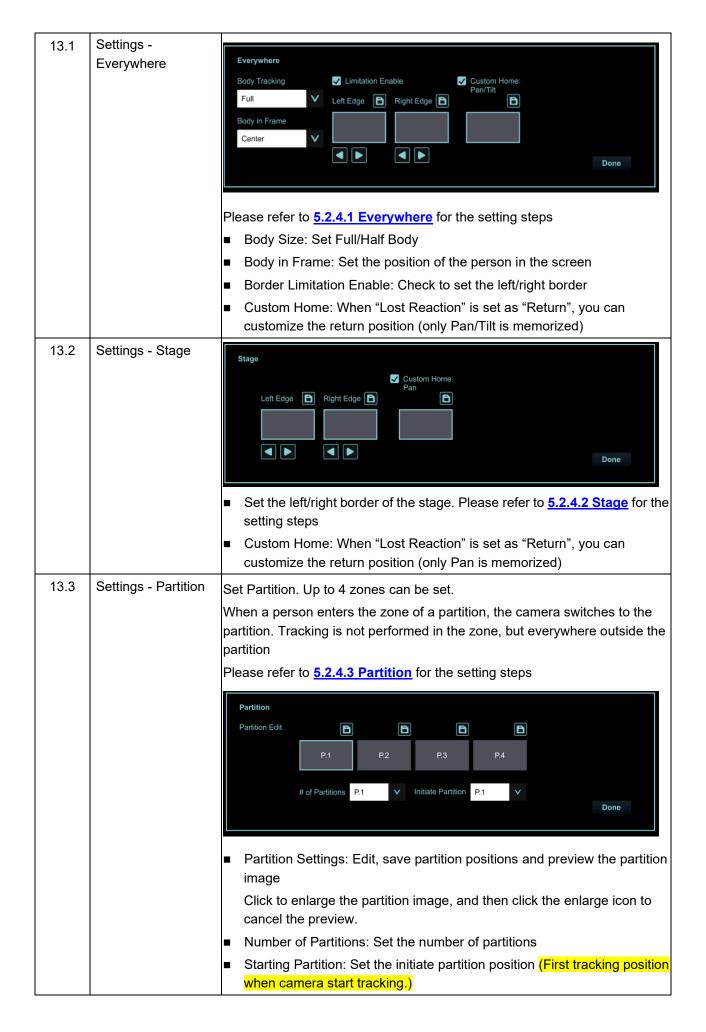
5.	Pan Tilt Zoom (PTZ)	Exposure White Balance Focus Mirror PTZ Picture Pan/Tilt Limit Preset Speed Initial Position Ist Preset V D-Zoom V PTZ Speed Comp Motionless Preset D-Zoom Limit X1 Pan/Tilt limit: Enable, and set the pan/tilt limit
		 Preset Speed: Set the rotation speed of the cradle head when Preset is executed Initial Position: Set the camera lens to return to the last MEM or the 1st Preset after POWER ON
		<remark> 1st Preset= Preset 0 D-Zoom Mode: Select D-Zoom/Sensor Zoom Limit D-Zoom/Sensor Zoom Limit: Set the zoom limit PTZ Speed Comp: After it is activated, the Pan/Tilt moving speed will vary from the zoom position Motionless Preset: When the function is enabled, the screen will Freeze when Preset is executed. Freeze will be released after Preset is completed</remark>
		Exposure White Balance Focus Mirror PTZ Picture 3D NR Image Mode Black Level Gamma 6 V Default V OII V — 1 + Skin Tone Brightness Contrast — 1 + — 13 + — 13 + Saturation Sharpness — 12 + — 7 +
6.	Photo	 3D noise reduction: 3D noise reduction settings Image Mode: The user may customize his/her desired image mode Gamma: Gamma Level adjustment; Adjustable when the image mode is set to Custom Brightness: Brightness adjustment of the image; Adjustable when the image mode is set to Custom Contrast: Image contrast adjustment; Adjustable when the image mode is set to Custom Saturation: Saturation adjustment of the image; Adjustable when the image mode is set to Custom Sharpness: Sharpness adjustment of the image; Adjustable when the image mode is set to Custom
7.	PTZ Control	Go back to PTZ Control page



5.2.4 Tracking



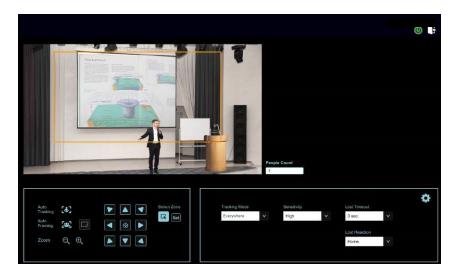




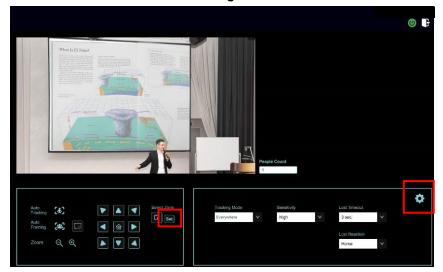


5.2.4.1 Everywhere

1. Select [Everywhere] for Tracking Mode, and click box to select an area (orange box)



2. After the selection, click to set, and the preview screen will display the selected area, then click to access the settings



3. Set the Left/Right Border

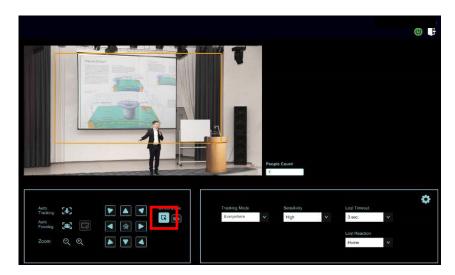
- ➤ Left Border: Click to move the position and click when finished
- > Right Border: Click to move the position and click when finished
- > Click Done to complete the settings after setting the left/right border



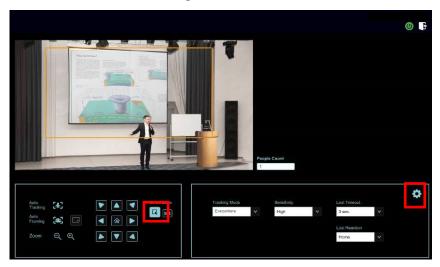
4. Click to enable the Everywhere feature

5.2.4.2 Stage

5. Select [Stage] for Tracking Mode, and click box to select an area (orange box)



6. After the selection, click to set, and the preview screen will display the selected area, then click to access the settings





7. Set the Left/Right Border

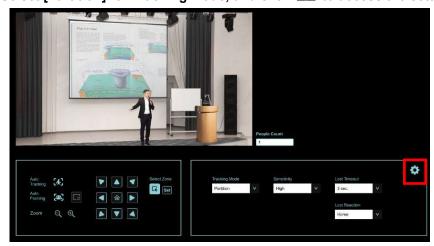
- ➤ Left Border: Click to move the position and click when finished
- > Right Border: Click to move the position and click when finished
- > Click Done to complete the settings after setting the left/right border



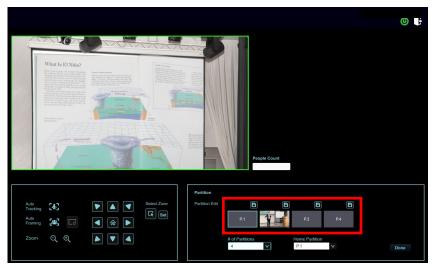
8. Click to enable the Stage feature

5.2.4.3 Partition

1. Select [Partition] for Tracking Mode, and click to access the settings



2. Use PTZ function to adjust to the screen to be partitioned, and then click let to save. The partition icon below will be changed to the saved position





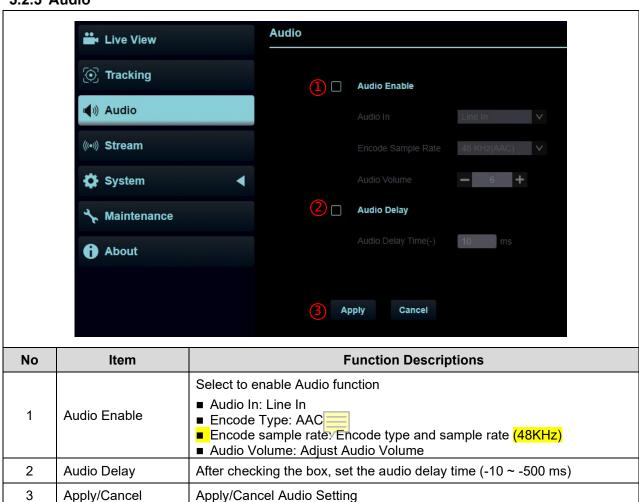
- 3. If you need to set other partitions, please continue using PTZ function to adjust the screen, and then click to save
- <Remark> If a red box is displayed when adjusting the screen, it means that the position overlaps with that of other partitions. Please adjust the screen again and save it when a green box is displayed
- <Remark> Overlapping partition positions may cause abnormal tracking behavior



4. Click to enable the Partition feature

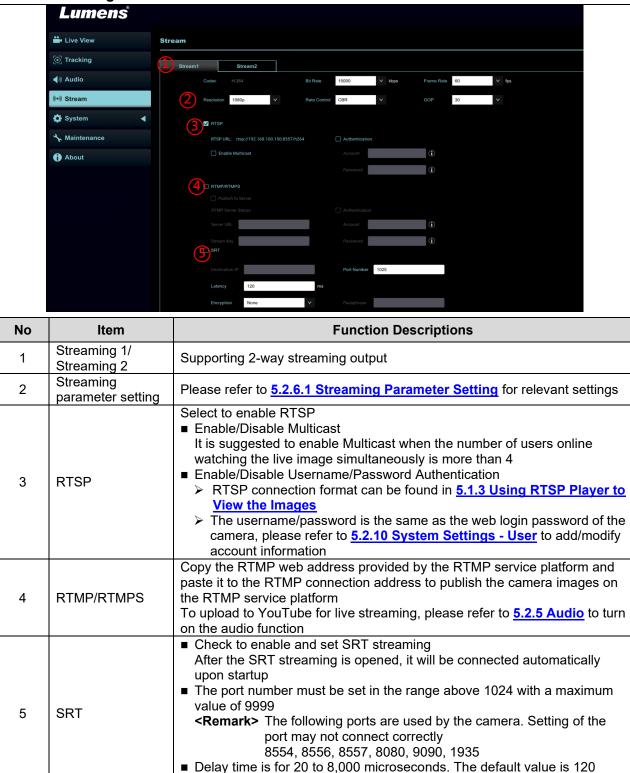


5.2.5 Audio





5.2.6 Streaming



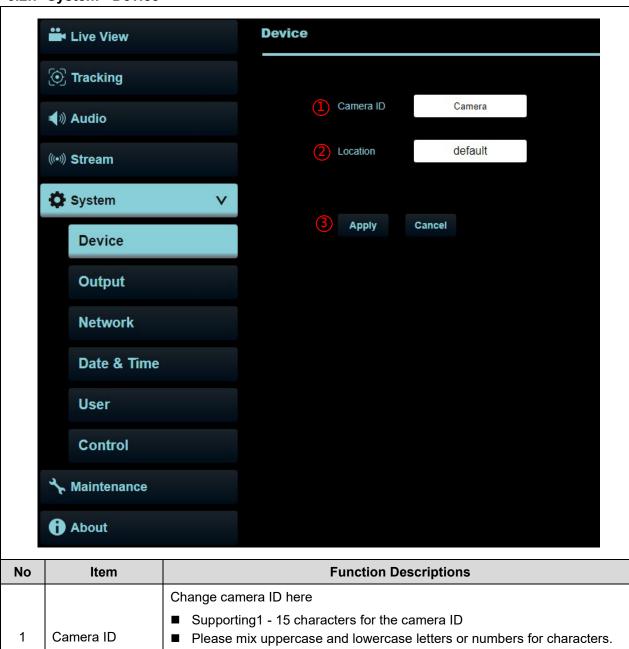
5.2.6.1 Streaming parameter setting

Function		Streaming 1	Streaming 2
Encode Format		HEVC / H.264	H.264
Resolution		2160 / 1080p / 720p	720p / 480p / 360p
Bit rate	Range	2,000~20,000	2,000~20,000
	Factory Default	15,000	3,000
Rate Control		CBR / VBR	
Frame Rate		Setting according to the supported resolution	
Group of Pictures		Setting according to the supported resolution	

microseconds



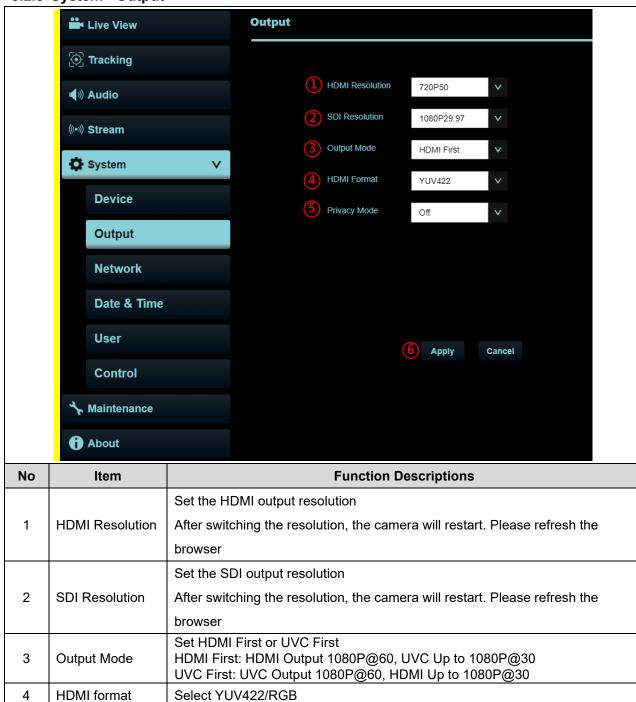
5.2.7 System - Device



No	Item	Function Descriptions	
1	Camera ID	Change camera ID here	
		■ Supporting1 - 15 characters for the camera ID	
		■ Please mix uppercase and lowercase letters or numbers for characters.	
		Special symbols such as " <i>I</i> " and " space " cannot be used	
		<remark> Modifying this field will modify the Onvif device name synchronously</remark>	
	Camera Location	Modify the location of the camera, such as Room 1	
		■ Supporting 1 - 30 characters for the camera location	
2		■ Please mix uppercase and lowercase letters or numbers for characters.	
		Special symbols such as "I" and "space" cannot be used	
		<remark> Modifying this field will modify the Onvif device location synchronously</remark>	
3	Apply/Cancel	Apply/Cancel Setting	



5.2.8 System - Output



After the function is enabled, when the camera is turned off via the remote

control or software, the lens will automatically turn to the bottom right to ensure

On/ Off Privacy Mode

the user's privacy

Apply/Cancel Setting



5

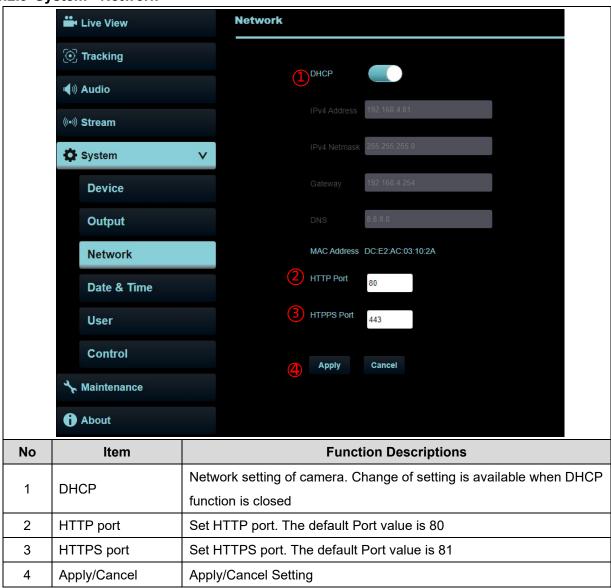
6

Privacy Mode

Apply/Cancel

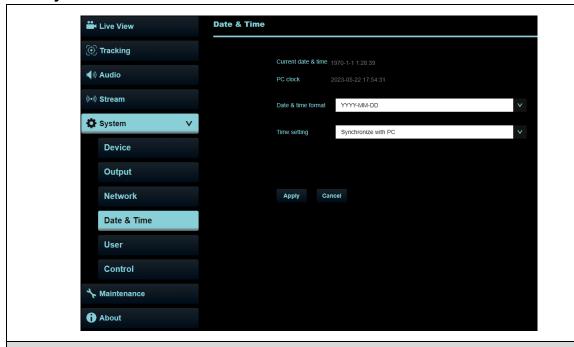
(UVC)

5.2.9 System - Network





5.2.10 System - Date & Time

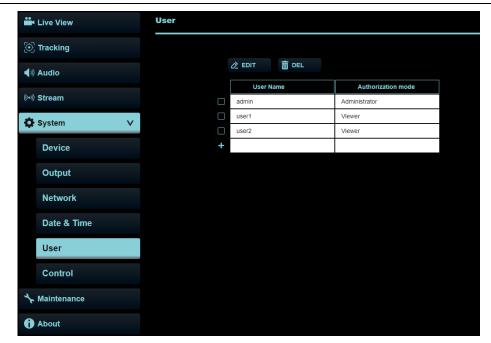


Function Descriptions

Display the current camera/PC date and time, and set the display format and synchronization way When Manually Set is selected for [Time Settings], Date & Time can be customized



5.2.11 System - User



Function Descriptions

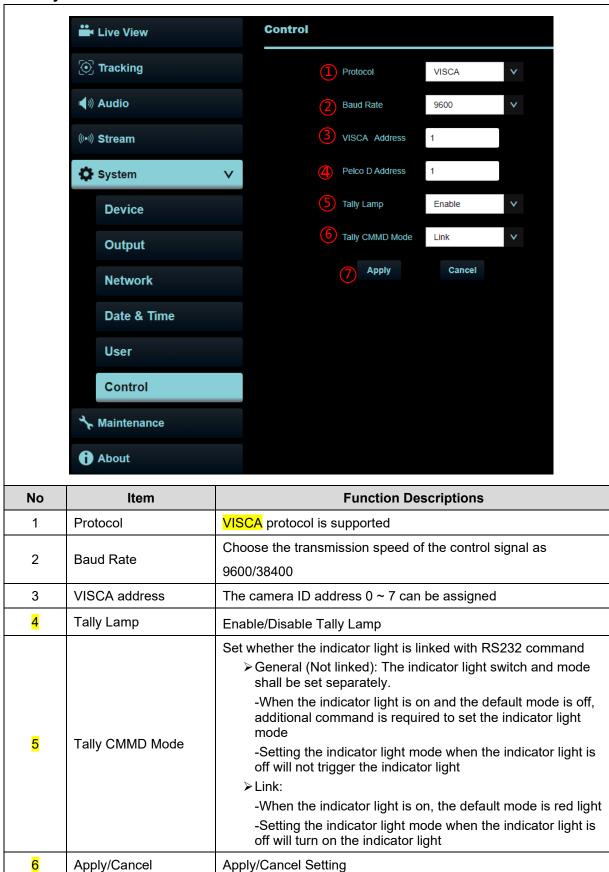
Add/Modify/Delete user account

- Supporting 4 32 characters for user name and password
- Please mix uppercase and lowercase letters or numbers for characters. Special symbols or the underlined cannot be used
- Authentication Mode: Set the new account management permissions

User Type	Admin	Operator	Viewer
View images	V	V	V
Settings	V	V	Х
Account management	v	х	х

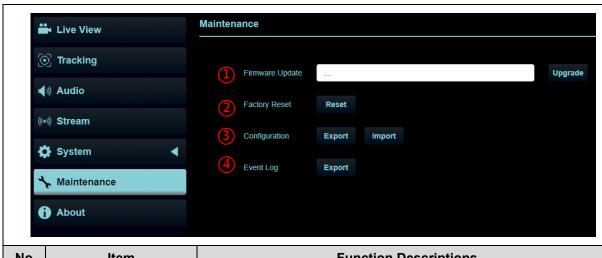
*When Factory Reset is executed, it will clear the user's data

5.2.12 System - Control





5.2.13 Maintenance



No	Item	Function Descriptions
	1 Firmware Update Remark> Update takes about 2 - 3 minutes Remark> Please do not operate or turn off the	Select the firmware file, and click [Upgrade] to update the firmware
1		<remark> Update takes about 2 - 3 minutes</remark>
ı		<remark> Please do not operate or turn off the power of the device</remark>
		during the update to avoid firmware update failure
2	Factory Reset	Reset all configurations to factory default settings
2	System Settings	Save setup parameters as a Profile, and users can download and
3		upload camera setup parameters
4	Error Log	If the camera operates abnormally, please export error log and
		provide it to Lumens for confirmation



5.2.14 About



Function Descriptions

Display the firmware version, serial number, and other related information of the camera For technical support, please scan the QRcode at the bottom right for assistance



Chapter 6 Troubleshooting

This chapter describes problems you may encounter while using VC-TR60. If you have questions, please refer to related chapters and follow all the suggested solutions. If the problem still occurred, please contact your distributors or the service center.

No.	Problems	Solutions
1.	Post without nower	1. Make sure you have plugged in the power cord.
	Boot without power signal	2.When using a PoE connection, ensure that the power
	Signal	supply supports PoE (IEEE802.3at) hubs
		1. Check the power supply or PoE supply functions.
		2. Confirm the output signals are in streaming output.
	There is no image output	3. Confirm whether the camera resolution can be used
2.	from camera	together with the monitor equipment
		4. Replace the cables and make sure they are not
		faulty.
2	Camera image is	Please use 1080p or 720p 60/50 fps rather than 25/30
3.	severely delayed	fps signals
	RS-232 cannot be	1. Confirm the connection is correct (RS-232 In/ Out)
4.	controlled	2.Please make sure the VISCA setting is the same as
		the control equipment
5.	Whether the Internet can	Please refer to Chapter 5 Network Function Setting
5.	be used for operation	Description for the Internet usage
		Please make sure that [System] > [Device] > [Camera
	The ONVIF software	ID] / [Camera Location] on the web page uses only
6.	cannot find the machine	English letters or numbers. The ONVIF software cannot
		find the machine if you use special characters and the
	The second second	space
	The camera does not	Please make sure if the Initial Position is set to Last
7.	save the relevant	Operated Position from the setting menu or web page
	parameters (PTZ, AWB)	Setting Menu: [System] > [Initial Position]
	after reboot	Web page: [Live Viewer] > [Camera Setting ██] > [PTZ]
	How to log in the portal	Please contact your Lumens distributor or service
8.	when you forget your account password	center
	account password	



Chapter 7 Safety Instructions

Always follow these safety instructions when setting up and using VC-TR60:

1 Operation

- 1.1 Please use the product in the recommended operating environment, away from water or source of heat.
- 1.2 Do not place the product on a tilted or unstable trolley, stand or table.
- 1.3 Please clean the dust on the power plug prior to usage. Do not insert the product's power plug into a multiplug to prevent sparks or a fire.
- 1.4 Do not block the slots and openings in the case of the product. They provide ventilation and prevent the product from overheating.
- 1.5 Do not open or remove covers, otherwise it may expose you to dangerous voltages and other hazards. Refer all servicing to licensed service personnel.
- 1.6 Unplug the product from the wall outlet and refer servicing to licensed service personnel when the following situations happen:
 - If the USB port becomes damaged or frayed.
 - If liquid is spilled into the product or the product has been exposed to rain or water.

2 Installation

2.1 For security considerations, please make sure the standard mount you use is in line with UL or CE safety approbations and installed by technician personnel approved by agents.

3 Storage

- 3.1 Do not place the product where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
- 3.2 Unplug this product during thunderstorms or if it is not going to be used for an extended period.
- 3.3 Do not place this product or accessories on top of vibrating equipment or heated objects.

4 Cleaning

4.1 Disconnect all the cables prior to cleaning and wipe the surface with a dry cloth. Do not use alcohol or volatile solvents for cleaning.

5 Batteries (for products or accessories with batteries)

- 5.1 When replacing batteries, please only use similar or the same type of batteries.
- 5.2 When disposing of batteries or products, please adhere to the relevant instructions in your country or region for disposing of batteries or products.

■ Precautions



This symbol indicates that this equipment may contain dangerous voltage which could cause electric shock. Do not remove the cover (or back). No user-serviceable parts inside. Refer servicing to licensed service personnel.



This symbol indicates that there are important operating and maintenance instructions in this User Manual with this unit.

■ FCC Warning

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.

Notice:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment..

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.

IC Warning

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of Industry Canada.

Cet appareil numerique respecte les limites de bruits radioelectriques applicables aux appareils numeriques de Classe A prescrites dans la norme sur le material brouilleur: "Appareils Numeriques," NMB-003 edictee par l'Industrie.

■ EN55032 CE Warning

Operation of this equipment in a residential environment could cause radio interference. Warning: Operation of this equipment in a residential environment may cause radio interference.



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