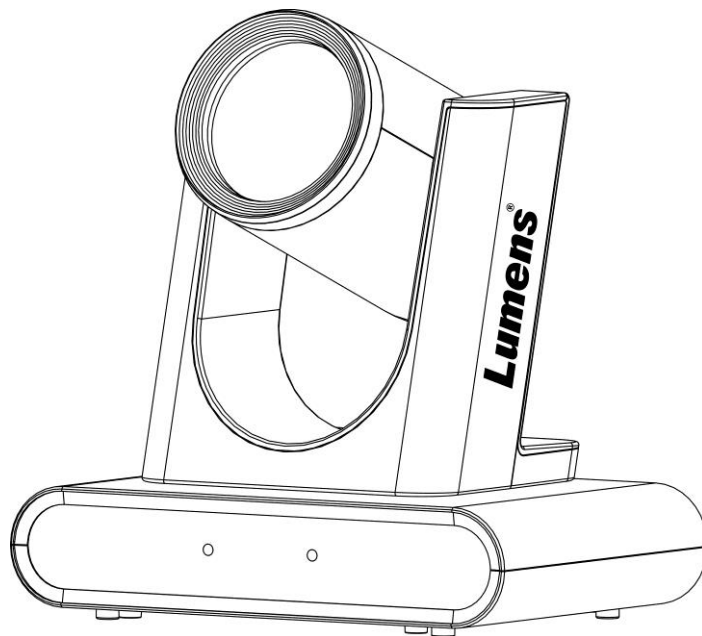


VC-R32

HD Camera

(PTZ Video Camera)

User Manual - English



Version VVU105

[Important]

To download the latest version of Quick Start Guide,
multilingual user manual, software, or driver, etc.,
please visit Lumens

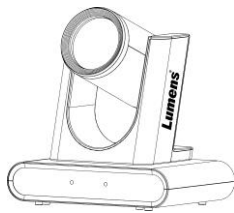
<https://www.MyLumens.com/support>

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Chapter 1 Package Contents

VC-R32



3-PIN to 2-PIN connector

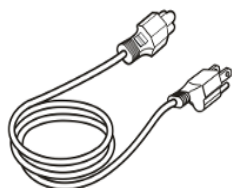


(For Japan only)

Remote Control

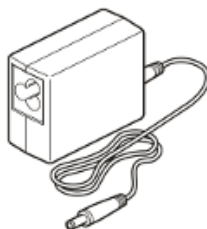


Power Cord



Appearance may vary
depending on country/ region

Power Adapter

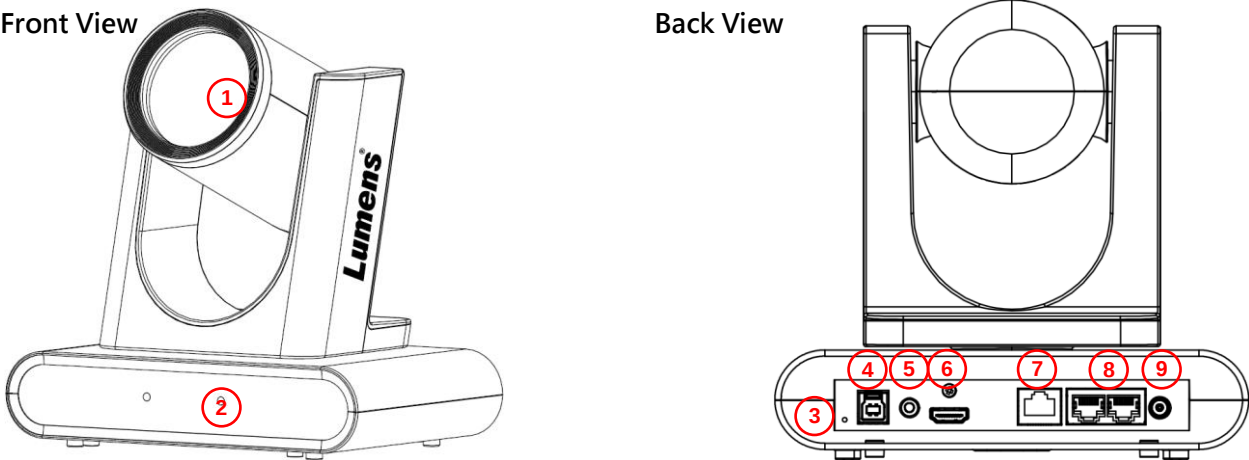


USB 3.0 Cable
(TypeA-B, 2m)

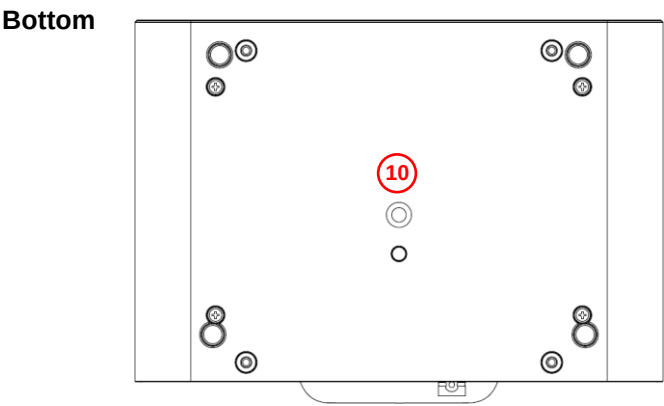


Chapter 2 Product Overview and Interface

2.1 I/O functions Introduction



NO.	Item	Function Descriptions
1.	Camera lens	Camera lens
2.	Power/Standby LED indicator	Display the status of the camera
3.	Reset	Restore the device to the default settings
4.	USB3.0 Port	The USB port is for connecting to the USB port of the computer and providing USB signal images
5.	Audio In	3.5 mm LINE IN
6.	HDMI output	HDMI output
7.	Network port	Network port, supporting PoE (IEEE802.3af) power supply
8.	RS-232/ RS-422 port	RS-232/ RS-422 input/ output port, at most 7 cameras can be connected in a serial connection 最高可連接 7 台 Lumens 攝像機
9.	DC 12 V power Port	DC supply connecting port



NO.	Item	Function Descriptions
10.	Tripod lock hole	The camera is mounted on a (specification) 1/4" -20 UNC tripod

2.2 Description of LED indicator

Status	Motor Status	Power	Status
Power not connected	NA	No indicator	No indicator
Initialization	Running Initialization	Green	No indicator
Power on completed (In use)	Last Memory Position	Green	No indicator
Standby mode	Move to the Bottom-Right Position	No indicator	Amber
Privacy Mode	Move to the Bottom-Right Position	Amber	No indicator
USB in Use	NA	Green	Green
Auto Framing mode	Tracking Target	Green blinking	Green blinking
FW Updating	NA	Green	Red blinking

Chapter 3 Instruction for installation

3.1 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.

3.1.1 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.

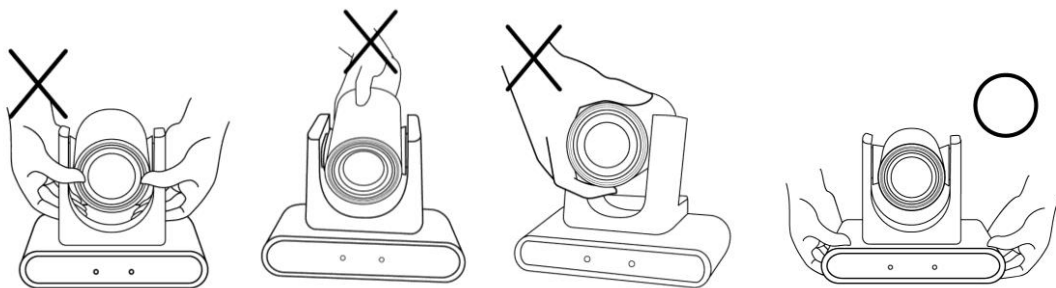
3.1.2 Please check whether accessories in the box are complete or not. Please contact the supplier for any shortage, and make sure to keep the accessories in the box intact.

3.1.3 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 the camera is set at a proper distance from other light sources.

3.1.4 Precautions for installation

- Please confirm the orientation of the machine relative to the object to be captured
- It is recommended that the camera should be set at a distance of more than 1.5 meter away from the object to be captured. Please adjust for a best distance according to the magnification of the lens
- 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



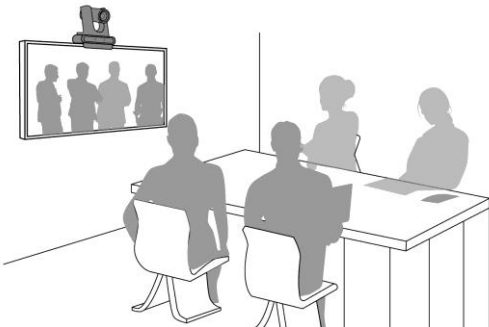
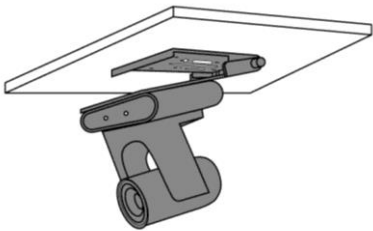
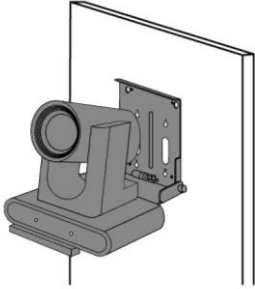
3.2 Instruction for installation

3.2.1 I would like to install camera on the desk

- Please install the camera on a flat desk

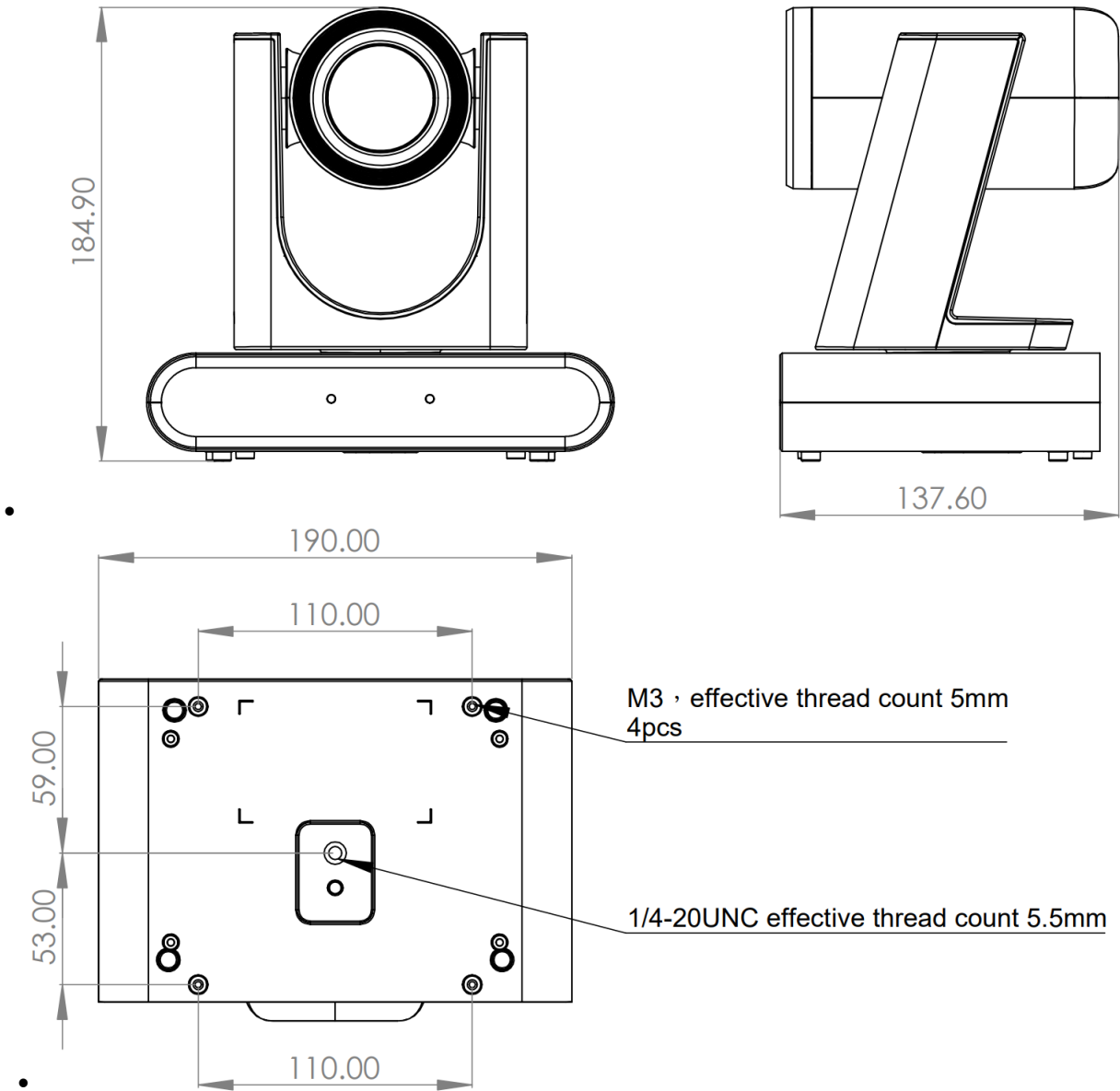
3.2.2 I would like to install the camera on the ceiling/wall/TV stand

Available with VC-WM14 3-in-1 sheet metal, please refer to [VC-WM14 Quick Installation Guide](#)

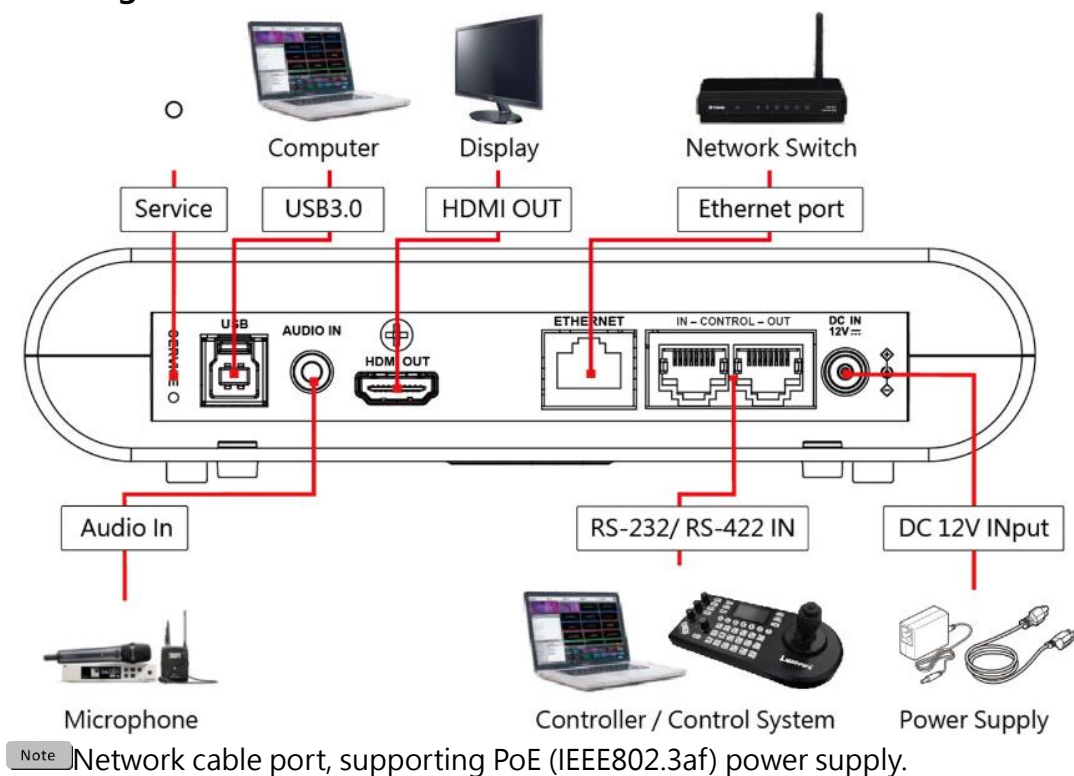
Install on the TV	Install on the ceiling	Install on the wall
		

3.2.3 Camera Size

- Length x Width x Height: 190 x 137.6 x 184.9mm
- Weight: 1.5 Kg



3.3 Connecting devices



3.3.1 USB Image Output

Connect to computer with a USB3.0 cable, and you can view images with video software, such as, Zoom and Microsoft Teams

3.3.2 RS-232/ RS422 Connection

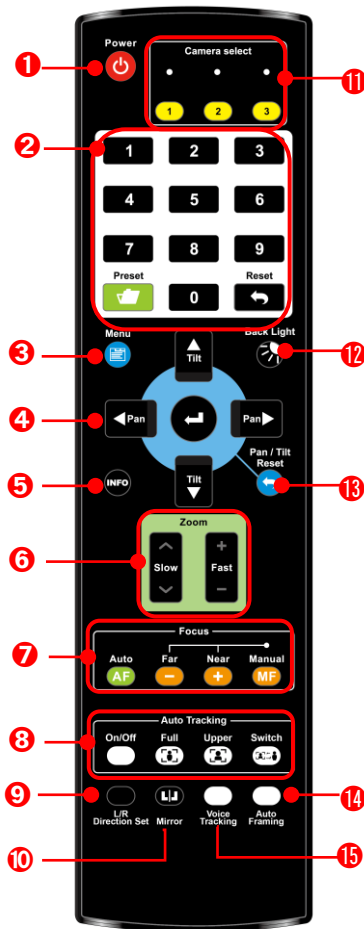
Support up to 7 cameras can be connected.

■ Pin Definition

RJ45 pin	In	Out	RS-232/422
1	RX-	TX-	RS-422
2	RX+	TX+	RS-422
3	GND	GND	GND
4	TX	RX	RS-232
5	RX	TX	RS-232
6	DTR	DSR	RS-232
7	TX-	RX-	RS-422
8	TX+	RX+	RS-422

Chapter 4 Introduction of Remote Control and Menu

4.1 Remote Control



No.	Item	Description
1.	Power	Power On/ Off
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
4.	Pan/ Tilt/ Enter	- Pan/Tilt: Move the lens - Home-Enter: Go back to the main page / Execute
5.	Info	Status information
6.	Zoom	- Fast: Adjust image size - Slow: Fine-tune image size
7.	Focus	- Auto: Auto focus - Manual: Enable Manual Focus - Far/Near: Adjust the focal length in Manual
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.	Voice Tracking	VC-R32 not supported. Note For tracking cameras with voice tracking function only.
15.	Auto Framing	On/ Off Auto Framing

4.2 Menu

Note Press [MENU] on the **remote control** to enter the setting menu.

1 st Level	2 nd Level	3 rd Level		Descriptions
Exposure	Mode	Full Auto/ Shutter Pri/ Iris Pri/ Manual		Exposure mode setting
	Exposure Comp.	On / Off		AE Level The function can only be turned on after you enable the <i>Advanced</i> in the Picture section
	Level	-5~5		The value can be adjusted after <i>Exposure Comp.</i> is activated
	Spot Light	On / Off		
	X-Coordinates	0~6		The value can be adjusted after <i>Spot Light</i> is activated
	Y-Coordinates	0~4		The value can be adjusted after <i>Spot Light</i> is activated
	Shutter Pri	60/30 mode	50/25 mode	Adjustable when the <i>Exposure mode</i> is set to <i>Shutter Pri</i>
		1/10000~1/25		
	Iris Pri	F1.6~F6.3		Adjustable when the <i>Exposure mode</i> is set to <i>Iris Pri</i>
	Manual Gain	0-45dB		Adjustable when the <i>Exposure mode</i> is set to <i>Manual</i>
	Manual Speed	60/30 mode	50/25 mode	Manually set the shutter
		1/10000~1/25		
	Manual Iris	F1.6~F6.3		Manually set the iris
	Gain Limit	9-45 dB		Max. limit value of electron gain
	Iris Limit	F1.6~F6.3		Max. limit value of iris
WDR	OFF/ 1/ 2 /3		The function can only be adjusted after you enable the <i>Advanced</i> in the Picture section	
White Balance	Mode	Auto/ Indoor/ Outdoor/ One Push WB/ ATW/ Manual/ Sodium Lamp/ 3000K/ 4300K/ 5000K/ 6500K/ 8000K		Select the color temperature mode 1. Auto : 4000k ~ 7000k 2. Indoor : 3200k 3. Outdoor : 5800k 4. One Push WB : 1700k ~ 10000k 5. ATW : 1700k ~ 10000k 6. Manual : Custom 7. Sodium Lamp : 2800k
	One Push	ENTER		One push trigger

1 st Level	2 nd Level	3 rd Level	Descriptions
	Manual Red	0~128	Adjustable when the white balance mode is set to <i>Manual</i>
	Manual Blue	0~128	Adjustable when the white balance mode is set to <i>Manual</i>
Picture	Picture effect	OFF/ B&W	
	Image Mode	Standard/ Brilliant	
	Advanced	On / Off	
	Sharpness	0~14	Adjustable when the <i>Advanced</i> is enabled.
	2D NR	OFF/ 1/ 2/ 3	Adjustable when the <i>Advanced</i> is enabled.
	3D NR	OFF/ Low/ Typical	Adjustable when the <i>Advanced</i> is enabled.
	Brightness	0~15	Adjustable when the <i>Advanced</i> is enabled.
	Saturation	0~15	Adjustable when the <i>Advanced</i> is enabled.
	Hue	0~15	Adjustable when the <i>Advanced</i> is enabled.
	Gamma	0~3	Adjustable when the <i>Advanced</i> is enabled.
Pan Tilt Zoom	Pan/Tilt Limit	On / Off	Turn on/off the angle limit setting
	Pan Right Limit	0~170	Limit the right angle
	Pan Left Limit	-170~0	Limit the left angle
	Tilt UP Limit	0~90	Limit the upward angle
	Tilt Down Limit	-30~0	Limit the downward angle
	Pan Flip	On / Off	Activate the reverse Pan direction
	Tilt Flip	On / Off	Activate the reverse Tilt direction
	Preset Speed	5/ 25/ 50/ 80/ 120/ 160/ 200/ 300 deg/sec	Set the rotation speed of the cradle head when Preset is performed
	Preset Mode	Normal / PTZ only	- Normal: Call the preset, execute Pan/Tilt/Zoom/Focus + picture parameters setting - PTZ Only: Call the preset, only execute Pan/ Tilt/ Zoom/ Focus
	PTZ Speed Comp	On / Off	Set the Pan/Tilt moving speed to vary from the zoom position
D-Effect	Mirror / Flip	OFF / Mirror / Flip / Mirror + Flip	Set the mode at which the image is mirror or flipped

1 st Level	2 nd Level	3 rd Level	Descriptions
Auto Focus	AF Sensitivity	Low / Mid / High	For AF triggering speed, the higher the speed is, the faster AF is triggered
	AF Frame	Center Area / All Area / Auto	AF frame setting, when central area 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
	Zoom tracking	Curve Tracing / Zoom Tracking	The focus mode during lens zooming (It can be set in the Manual Focus (MF) mode)
	PTZ Assist	On / Off	When PTZ Assist is enabled and PTZ control is in operation, the focus performs only once upon immediate execution. The focus will not be triggered afterward when the scene changes (It can be set in the Manual Focus (MF) mode)
	Preset AF	On / Off	Set whether to execute auto focus after Preset
Ethernet	DHCP	On / Off	Enable/Disable DHCP setting using left and right arrow keys and press [ENTER] to apply setting.
	IP Address	192.168.100.100	Press [ENTER] to be in modify mode; select the item to be modified using the up and down keys, and modify the value using the left and right keys or the numeric keys.
	Subnet mask	255.255.255.0	Press [ENTER] to be in modify mode; select the item to be modified using the up and down keys, and modify the value using the left and right keys or the numeric keys.
	Gateway	192.168.100.254	Press [ENTER] to be in modify mode; select the item to be modified using the up and down keys, and modify the value using the left and right keys or the numeric keys.
Audio	Audio In	Line In/Mic In	Set Audio In
	Audio Enable	On / Off	Turn on/off audio output

1 st Level	2 nd Level	3 rd Level	Descriptions
	Volume	0 ~10	Volume Setting
	Delay	On / Off	When audio and video are out of sync, enable this feature to set the audio delay time
	Delay Time(ms)	-1~-500ms	Set audio delay time
	Encode Type	AAC/ G.711	Set encode type
	Sample Rate	48 KHz	Set the encode type and sample rate
System	Prompt	On / Off	Turn on/off the prompt information on the display
	IR Receive	On / Off	
	IR Select	1/ 2/ 3	
	Language	English/ 中文	
	Initial Position	Last MEM/ 1st Preset	Set the camera lens to return to the last operated position or the first preset position after POWER ON Note 1st Preset = Preset 0
	Control Device	Encoder/ Controller	Control Device setting, Controller: for joystick Encoder: for tracking system
	Motionless Preset	On/ Off	When the function is enabled, the screen will Freeze when Preset is executed. Freeze will be released after Preset is completed.
	Privacy Mode	On/ Off	On: 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
	Control Port	RS-232/ RS-422	Choose whether the control interface used is RS-232 or RS-422
	Protocol	VISCA	
	Baud Rate	9600/38400	Choose the transmission speed of the control signal
	VISCA Address	0 ~ 7	
	Output Mode	1080p 60/50/30/25 720p 60/50/	Choose the output resolution
	Factory Reset	On / Off	Resume the factory default setting
Status			Display the current setting status

Chapter 5 Network Function Settings Description

5.1 Web System Requirements

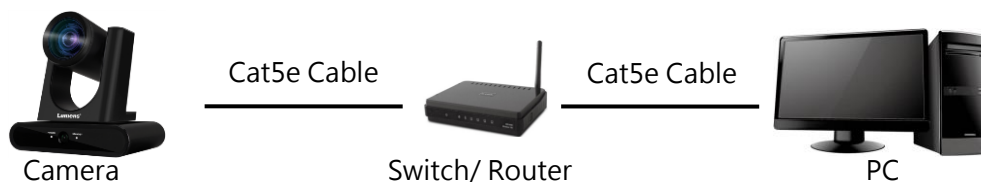
Operating System	Version	Browser
Windows	7 (64 bits) and above	FireFox
		Chrome
	10 (64 bits) and above	Edge
		FireFox
		Chrome
Mac	10.12 and above	Safari

5.2 Connecting Camera to Network

5.2.1 Connecting to Internet

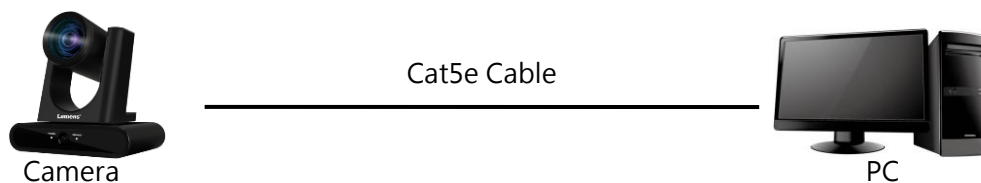
Two common connection methods are shown below

1. Connecting via switch or router

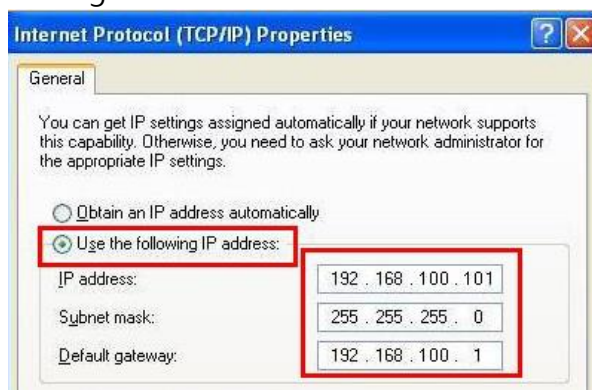


2. To connect directly through network cable, the IP address of the computer should be changed so that it is on the same network segment as the camera

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



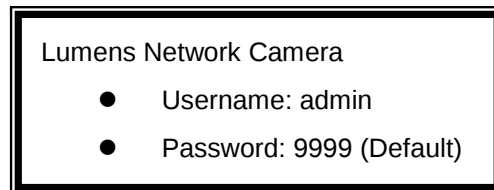
- Change network settings



5.2.2 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

Note For the first-time login, please refer to [5.3.10 System-User](#) to change the default password



5.2.3 Using RTSP Player to View the Images

Free software can be used for RTSP connection, such as VLC, Quick Time and PotPlayer
RTSP connection address formats are as follows:

- RTSP Stream 1 => <rtsp://camera IP:8557/h264>
- RTSP Stream 2 => <rtsp://camera IP:8556/h264>

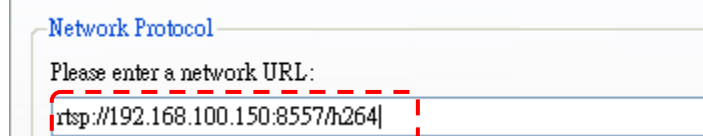
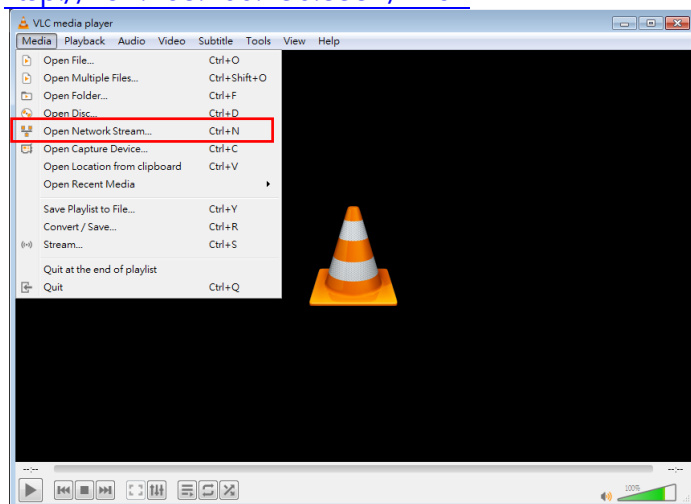
If password authentication is enabled, the RTSP connection address is as follows:

- <rtsp://Username:Password@VC IP address:port/h264>
- To enable password authentication function, please refer to [5.3.4 Stream](#)

Example:

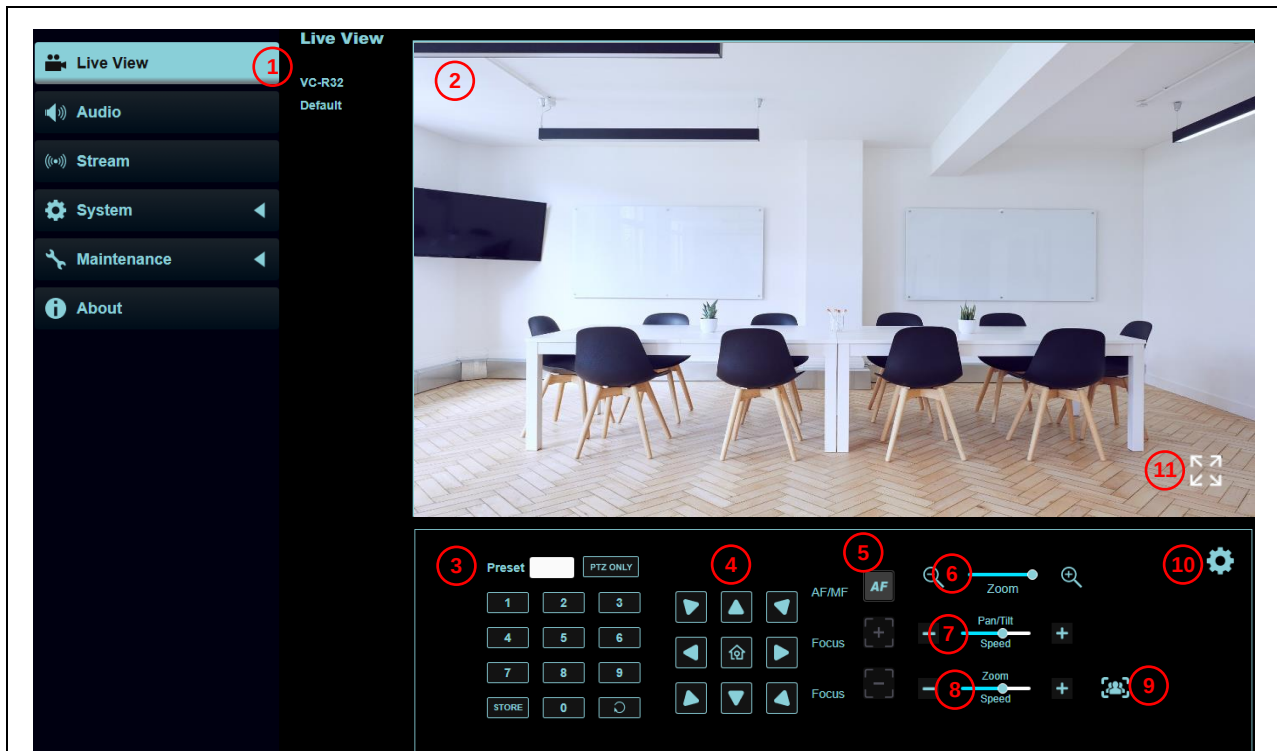
Open the VLC software, click [Open Network Streaming], and enter the URL:

<rtsp://192.168.100.150:8557/h264>



5.3 Web Interface

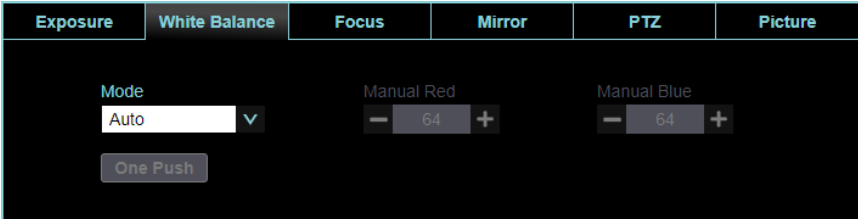
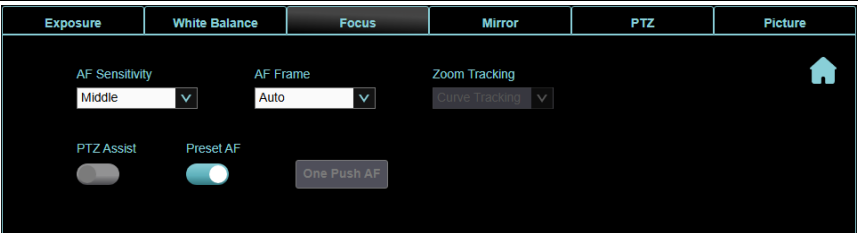
5.3.1 Live View

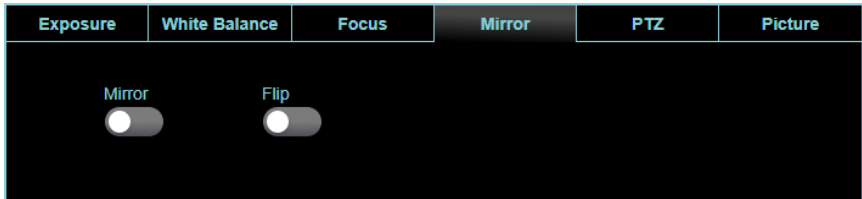
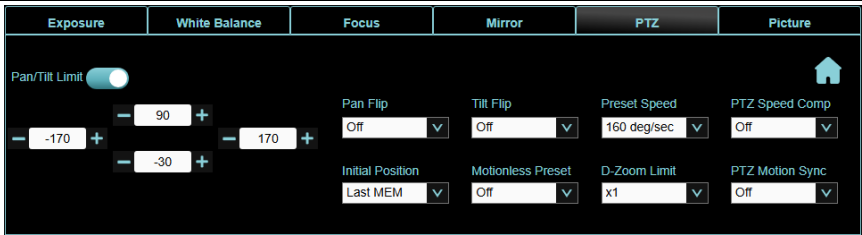


No	Item	Function Descriptions
1	Camera ID/location	Display camera ID/location Please refer to 5.3.6 System-Output
2	Preview window	Display the live view of the camera
3	Preset setting	Select the number first and then select [STORE] or [Call]. PTZ Only: Enable/disable PTZ Only - Disable (Default): Call the preset, execute Pan/Tilt/Zoom/Focus + picture parameters setting - Enable: Call the preset, only execute Pan/ Tilt/ Zoom/ Focus
4	Pan/Tilt setting	Adjust the Pan/ Tilt position of the camera screen
5	AF/MF	Switch Auto /Manual Focus. Focus can be adjusted in Manual Focus.
6	Zoom	Zoom In/ Zoom Out ratio
7	Pan/ Tilt Speed	Adjust the Pan/ Tilt moving speed
8	Zoom speed	Adjust the zoom speed
9	Auto Framing	Enable Auto Framing setting - Enable/Disable Auto Framing - Correction: If the image is not zoomed according to the actual number of people, please click to perform framing correction - Sensitivity: Set tracking sensitivity.

10	Camera Setting	Please refer to <i>5.3.2 Live View - Camera Setting</i> for related settings
11	Enlarge	Zooming in/ out the preview image

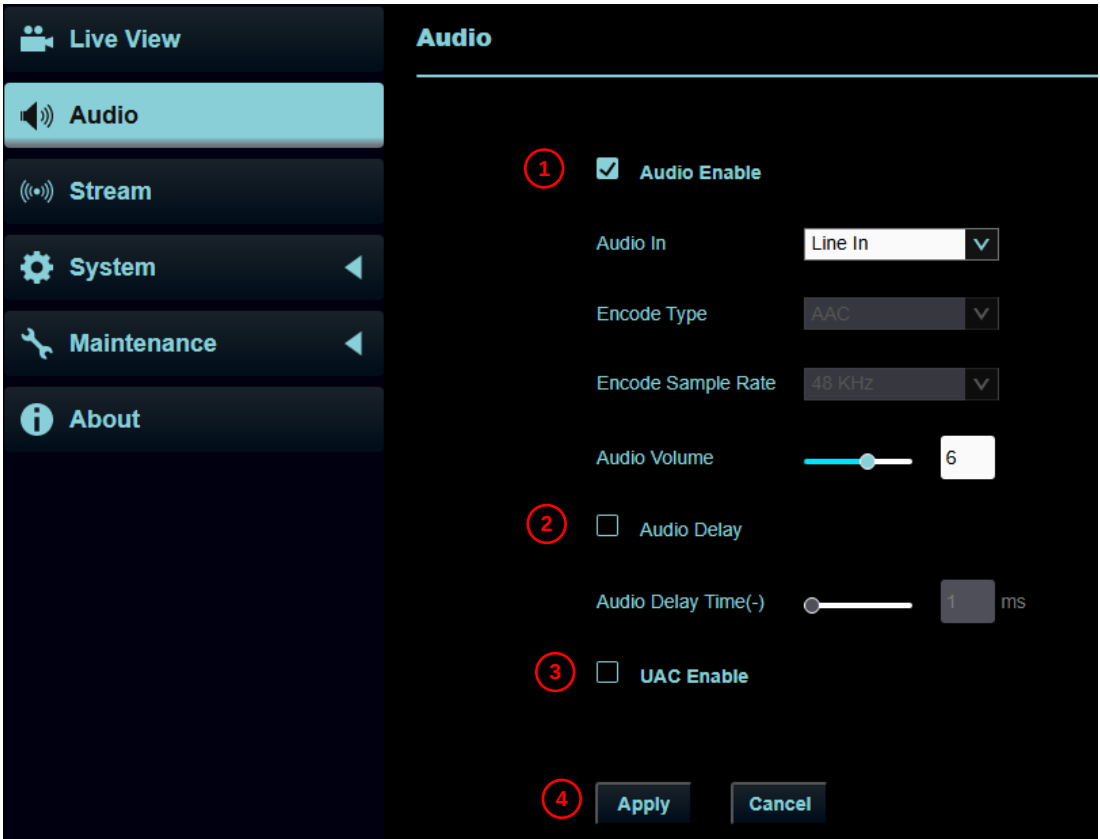
5.3.2 Live View - Camera Setting

		
No	Item	Function Descriptions
1.	Exposure	■ Mode: Select exposure mode (Full Auto/Shutter Pri/Iris Pri/Manual/) ■ Gain Level: Adjust the gain level (adjustable under the "Manual") ■ WDR: Set the level of wide dynamic range (WDR) in order to obtain better images. (The WDR can only be adjusted after you enable the Advanced in the Picture section.) ■ Exposure Comp. Level: Select exposure compensation level (The Exposure Comp. level can only be adjusted after you enable the Advanced in the Picture section.) ■ Iris Level: Adjust the size of iris (adjustable under the "Manual" or "Iris Priority") ■ Shutter Speed: Adjust the shutter speed (adjustable under the "Manual" or "Shutter Priority") ■ Anti-Flicker: When capturing LED lights that appear to flicker, please enable this feature according to the frequency.
2.	White Balance	 ■ Mode: Select the White Balance mode ■ One Push: Single white balance execution adjustment (adjustable only under the "One Push WB" ■ Manual Red/Blue: Manually adjust blue/red color temperature
3.	Focus	

		■ AF Sensitivity: Set automatic focus sensitivity ■ AF Frame: Set automatic focus range ■ Zoom Tracking: The focus mode during lens zooming (can be set in "Manual") ■ Smart AF: Turn on this function and AF will mainly focus on the face ■ PTZ Assist: When PTZ Assist is enabled, focus will be triggered after PTZ control, but won't be triggered when the scene changes ■ Preset AF: Set whether to perform auto focus after Preset ■ One Push AF: When manual focus mode is on, click this function for one-time autofocus
4.	Mirror	 ■ Mirror: Set image mirroring ■ Flip: Set image flip
5.	Pan Tilt Zoom	 ■ Pan/Tilt Limit: Enable to set the pan/tilt limit ■ Pan/Tilt Flip: Set On and the Pan/Tilt directions will be reversed. ■ Preset Speed: Set the rotation speed of the cradle head when Preset is executed ■ PTZ Speed Comp: After it is activated, the Pan/Tilt moving speed will vary from the zoom position ■ Initial Position: Set the camera lens to return to the <i>last MEM</i> or the <i>1st Preset</i> after POWER ON Note: <i>1st Preset</i>= Preset 0 ■ Motionless Preset: When the function is enabled, the screen will Freeze when Preset is executed. Freeze will be released after Preset is completed ■ D-Zoom Limit: Set the maximum Digital zoom level from x1~x12. ■ PTZ Motion Sync: Enable to achieve PTZ synchronization when operating Preset. Note: This function refers to the preset speed setting but may automatically adjust the speed based on the PTZ movement range.

6.	Picture	■ Picture Effect: Set picture effect, Off/ Black and White ■ Image Mode: User can customize the desired image mode ■ Advanced: Check to enable advanced settings. ■ 2D NR: 2D noise reduction settings ■ 3D NR: 3D noise reduction settings ■ Hue: hue adjustment of the image; Adjustable when the Advanced is enabled. ■ Gamma: Gamma Level adjustment; Adjustable when the Advanced is enabled. ■ Brightness: Brightness adjustment of the image; Adjustable when the Advanced is enabled. ■ Saturation: Saturation adjustment of the image; Adjustable when the Advanced is enabled. ■ Sharpness: Sharpness adjustment of the image; Adjustable when the Advanced is enabled.
7.	PTZ Control	Go back to PTZ Control page

5.3.3 Audio



No	Item	Function Descriptions
1	Audio Enable	Select to enable Audio function ■ Audio In: Line In / Mic In ■ Encode Type: AAC / G.711 ■ Encode Sample Rate: 48 KHz ■ Volume: Adjust Audio Volume
2	Audio Delay	After checking the box, set the audio delay time (1 ~ -500 ms)
3	UAC Enable	Enable/ Disable USB Audio
4	Apply/Cancel	Apply/ Cancel Audio Setting

5.3.4 Stream

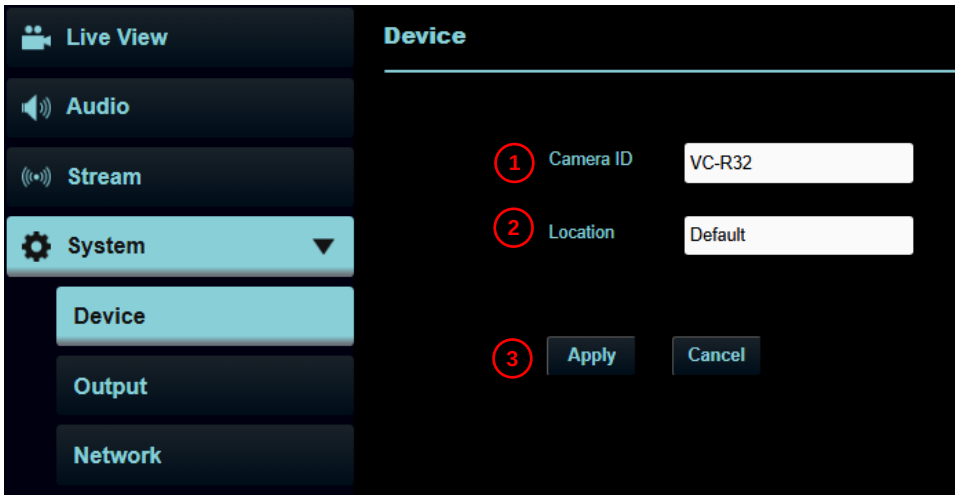
The screenshot shows the 'Stream' configuration page. On the left is a sidebar with 'Live View', 'Audio', 'Stream' (selected), 'System', 'Maintenance', and 'About'. The main area is titled 'Stream' and contains two tabs: 'Stream1' and 'Stream2'. Below the tabs are settings for Codec (H.264), Frame Rate (60 fps), Rate Control (CBR), Resolution (1080P), Bit Rate (7000 kbps), and GOP (30). There are three main sections: RTSP (checked), RTMP/RTMPS (unchecked), and SRT (unchecked). Each section has its own set of fields and checkboxes. Red circles with numbers 1 through 5 highlight specific features: 1 points to the Stream1/2 tabs, 2 points to the Codec/Resolution fields, 3 points to the RTSP checkbox and URL field, 4 points to the RTMP/RTMPS checkbox and fields, and 5 points to the SRT checkbox and fields.

No	Item	Function Descriptions
1	Streaming 1/ 2	Support 2 x streaming output
2	Stream Settings	Please refer to 5.3.4.1 Streaming Settings for relevant the details.
3	RTSP	Select to enable RTSP ■ Enable/ Disable Multicast It is suggested to enable Multicast when the number of users online watching the live image simultaneously is more than 4 ■ Enable/Disable Password Authentication ➢ RTSP connection format can be found in 5.2.3 Using RTSP Player to View the Images
4	RTMP/ RTMPS	Select to enable RTMP/RTMPS ■ Enable/ Cancel Password Authentication
5	SRT	Enable SRT. ■ Port Number Range: 1025–65535 Note The following port is to be used by the camera. Setting of the said port may not connect correctly 8554, 8556, 8557, 8080, 9090, 1935 ■ Delay time is for 20 to 8000 microseconds. The default value is 120 microseconds

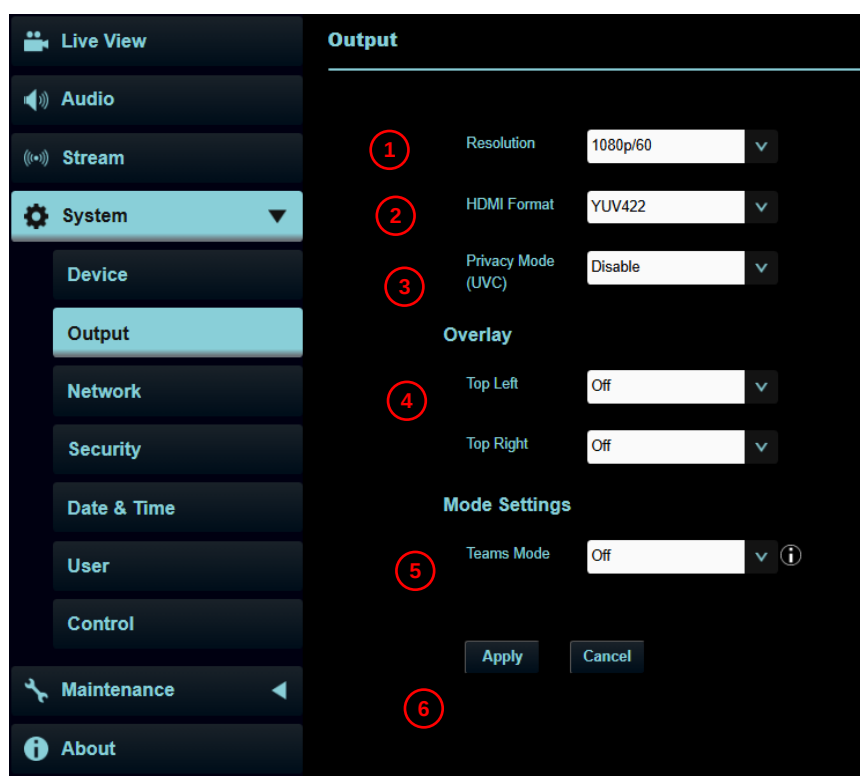
5.3.4.1 Streaming Settings

Function		Streaming 1	Streaming 2
Encode Format		H.264	
Resolution		1080p / 720p	720p
Bit rate	Range	2,000~20,000	2,000~20,000
	Factory Default	7,000	3,000
Rate Control		CBR / VBR	
Frame Rate		Setting according to the supported resolution	
Group of Pictures		Setting according to the supported resolution	

5.3.5 System-Device

		
No	項目	功能説明
1	Camera ID	Camera ID can be customized ■ Support 1 - 12 characters for the camera ID ■ Support English letters, numbers , and the hyphen (-) Note Changing this field will also update the ONVIF device name.
2	Camera Location	Location of the camera can be customized, such as Room1 ■ Support 1 - 11 characters for the camera location ■ Support English letters, numbers, and ! @ # \$ % ^ * () - = +. Special symbols such as “/” “&” and “space” cannot be used. Note Modifying this field will modify the Onvif device location synchronously
3	Apply/ Cancel	Apply/ Cancel Setting

5.3.6 System-Output

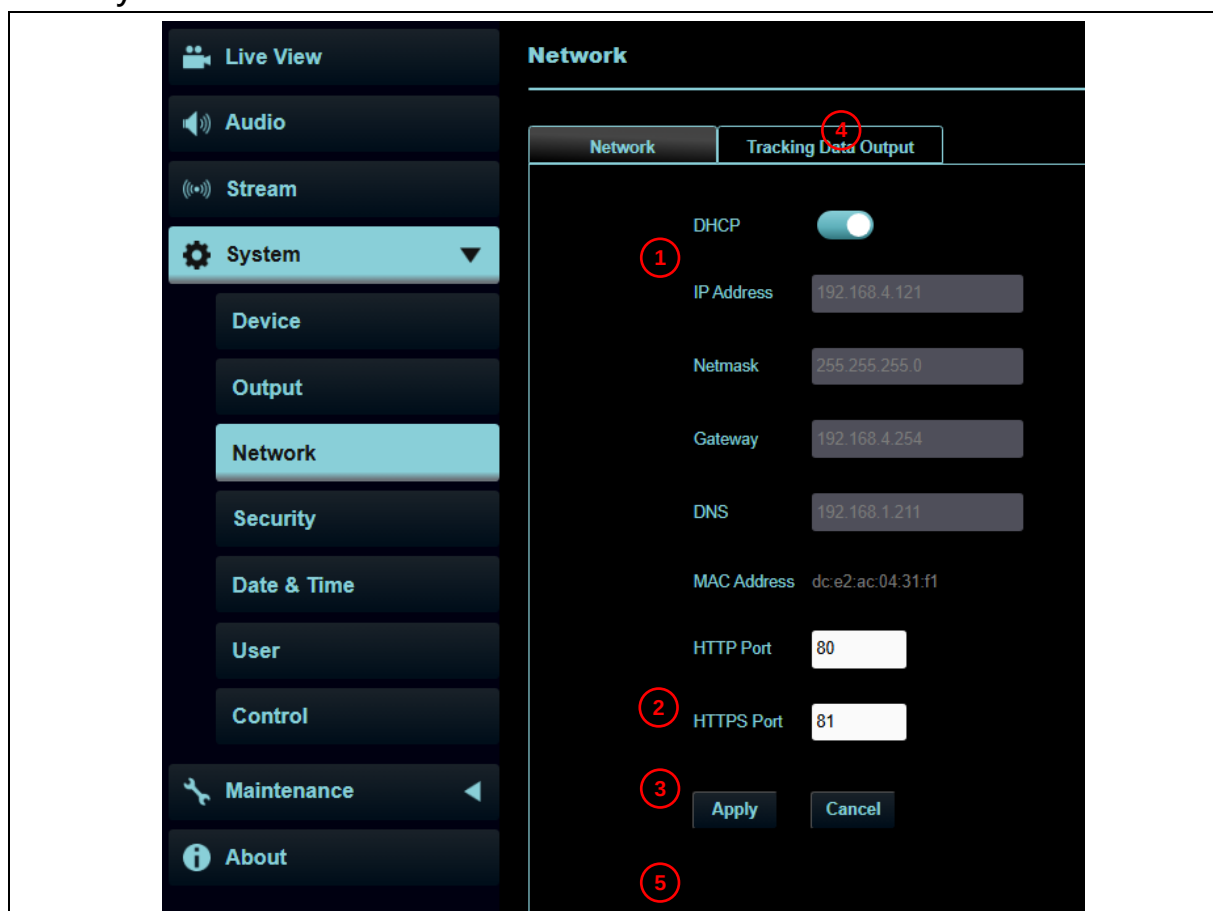


No	Item	Function Descriptions
1	Resolution	Set the output resolution. After changing the resolution, the camera will restart. Please refresh the browser.
2	HDMI format	Select YUV422/ RGB
3	Privacy Mode (UVC)	Enable/ Disable Privacy Mode When enabled, powering off the camera via the remote control or software automatically rotates the lens to the bottom-right to protect user privacy.
4	Overlay	Choose the <i>Date and Time</i> information or <i>Custom Text</i> to be displayed at the top left or top right.
5	Mode Settings	Enable/ Disable Teams mode. When enabled, certain output control functions are limited. Please refer to 5.3.6.1, Teams Mode Function Restrictions .
6	Apply/Cancel	Apply/ Cancel Setting

5.3.6.1 Teams Mode Function Restrictions

Functions	Teams mode OFF	Teams mode ON	Descriptions
HDMI Output	V	X	
RTSP Stream	V	X	
USB Video	V	V	
USB Audio	V	X	
Web Live view	V	X	
Factory Reset	X	X	Performing a Factory Reset does not affect the Teams Mode setting.
Motionless Preset	V	X	

5.3.7 System– Network



No	Item	Function Descriptions
1	DHCP	Network setting of camera. Change of setting is available when DHCP function is closed
2	HTTP port	Set HTTP port. The default Port value is 80
3	HTTPS port	Set HTTPS port. The default Port value is 81
4	Tracking Data Output Setting	When enabled, PTZ position information can be fed back when the camera is moving 1. Serial port output: The protocol must be set to VISCA, and the baud rate should be 38400 2. IP output: It can set IP address and communication port 3. The port numbers should be > 1024. Port 3702, 5353, 8080, 8554, 8556, 8557, 52380, 52381 cannot be used. Note The performance of the camera may be affected when Tracking Data Output is enabled
5	Apply/ Cancel	Apply/ Cancel Setting

5.3.8 System-Security

Live View

Audio

Stream

System

Device

Output

Network

Security

Date & Time

User

Control

Maintenance

About

Security

802.1x Setting

Enable

EAP Identify

EAP Password

EAP Method

Import

Choose File

CA Certificate

Issuer DN

Subject DN

Available Period

Apply

Cancel

Descriptions

Enable/Disable 802.1x Protocol. Setting can be made after enabling.

Note

 In order to enable this function, the router must support 802.1x Protocol.

5.3.9 System-Date & Time

Live View

Audio

Stream

System

Device

Output

Network

Security

Date & Time

User

Control

Maintenance

About

Date & Time

Time in Camera

Date

Time

Time Setting

Date

Hours

Minutes

Seconds

Apply

Cancel

Descriptions

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

5.3.10 System–User

Live View

Audio

Stream

System

Device

Output

Network

Security

Date & Time

User

Control

User

EDIT

DEL

	User Name	Authorization Mode
☐	admin	Administrator
+		

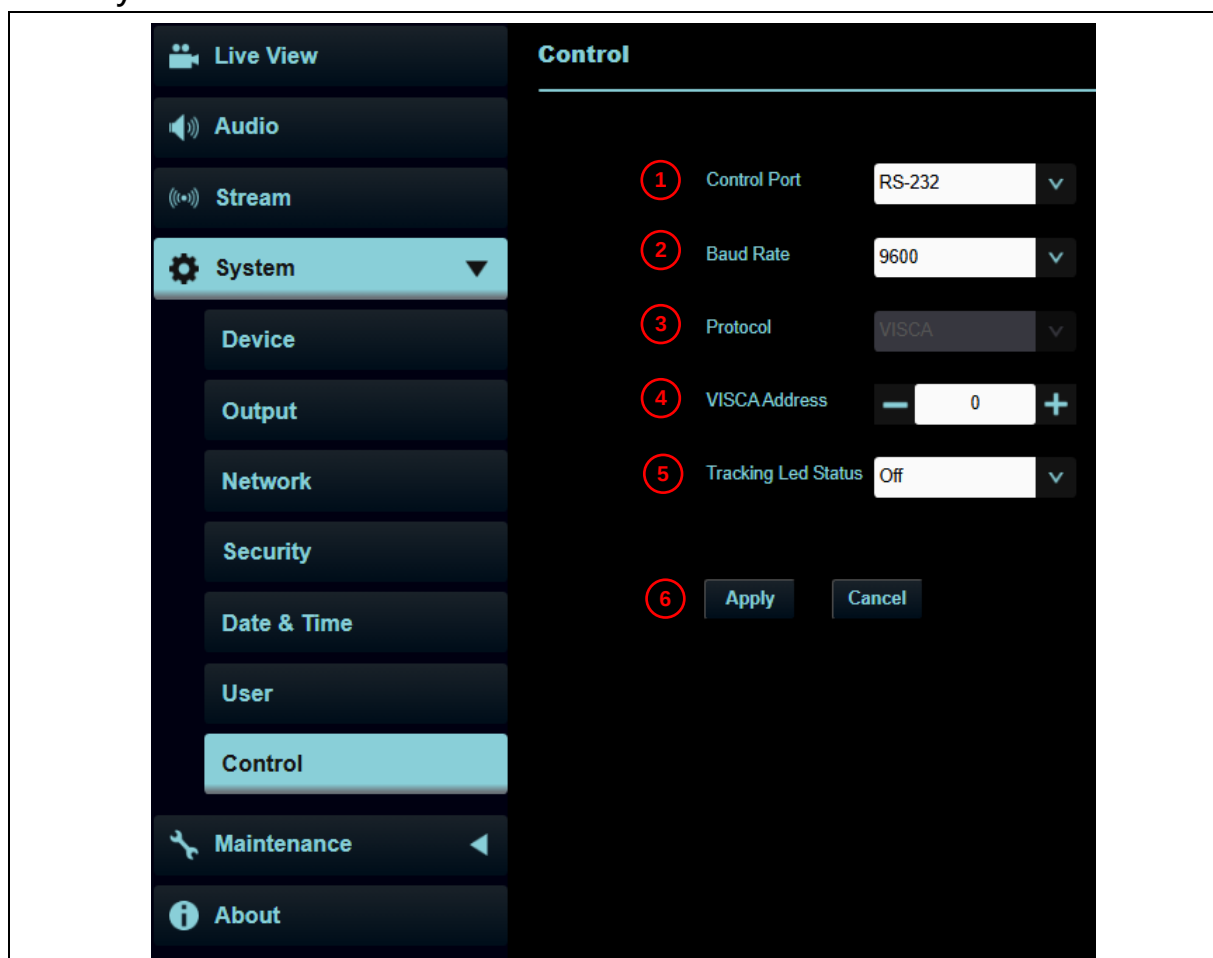
Descriptions

Add/Modify/Delete user account

- Supports usernames and passwords with 4–32 characters.
- Supports letters and numbers only; special characters are not supported.
- Supports up to 16 user accounts.
- Account Authentication:

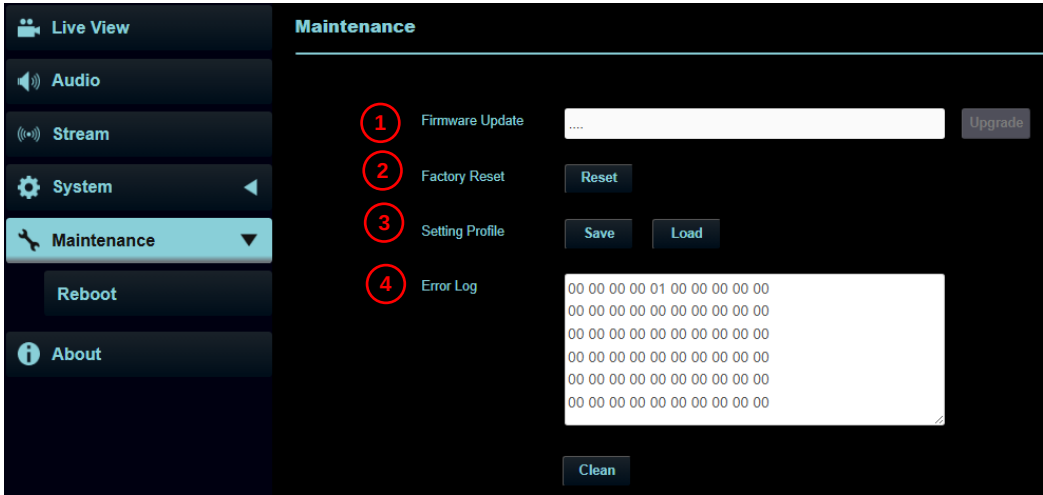
User Type	Admin	Operator	Viewer
Live View	V	V	V
Settings	V	V	X
Account management	V	X	X

5.3.11 System-Control



No	Item	Function Descriptions
1	Control Port	RS-232 / RS-422
2	Baud Rate	Choose the transmission speed of the control signal as 9600/38400
3	Protocol	Supporting VISCA protocol
4	VISCA address	The camera ID address 0 ~7 can be assigned.
5	Tracking Led Status	When this function is enabled, the front panel LED flashes green during tracking.
6	Apply/ Cancel	Apply/ Cancel Setting

5.3.12 Maintenance - Update

		
No	Item	Function Descriptions
1	Firmware Upgrade	Click [...] to select the firmware file, and click [Upgrade] to start the process. Note Update takes about 2-3 minutes. Note Please do not operate or turn off the power of the device during the update to avoid firmware update failure.
2	Factory Reset	Reset all configurations to factory default settings.
3	Setting Profile	Save setup parameters as a Profile, and users can download and upload camera setup parameters
4	Event Log	If the camera encounters errors, an error code log will be established Note If an error code is displayed, click Clean and monitor whether the same issue reoccurs.

5.3.13 Maintenance–Reboot

Live View Audio Stream System Maintenance Reboot About Reboot 1 Reboot 2 Disable 3 Daily Reboot 00:00 4 Timing Reboot 1 HR 5 Apply Cancel		
No	Item	Function Descriptions
1	Reboot	Reboot immediately
2	Disable	Disable the reboot settings
3	Daily reboot	Set the daily reboot time Note Please go to <i>System-Time</i> to complete the SNTP server synchronization to set daily reboot
4	Timing Reboot	Set the timing reboot time
5	Apply / Cancel	Save or discard the settings.

5.3.14 About

Live View Audio Stream System Maintenance About Lumens® www.MyLumens.com Manufacturer : Lumens Digital Optics Inc. Model Name : VC-R32 Firmware Ver. : VVU105_VVT103_VVD100 MAC Address : dc:e2:ac:04:31:f1 Serial Number : VFEA00012 Uptime : 3:35 Get Help ?	
功能說明	
Display the firmware version, serial number, and other related information of the camera For technical support, please scan the QR code at the bottom right.	

Chapter 6 Troubleshooting

This chapter describes problems you may encounter while using VC-R32. 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.	Boot without power signal	1. Make sure you have plugged in the power cord. 2. When using a PoE connection, ensure that the power supply supports PoE (IEEE802.3af) hubs
2.	There is no image output from camera	1. Check the power supply or PoE supply functions. 2. Check whether [System] > [Output] > [Teams Mode] is enabled. HDMI and RTSP output are supported when Teams Mode is enabled. 3. Confirm whether the camera resolution can be used together with the monitor equipment 4. Replace the cables and make sure they are not faulty.
3.	Camera image is severely delayed	Please use 1080p or 720p 60/50 fps rather than 25/30 fps signals.
4.	RS-232 cannot be controlled	1. Confirm the connection is correct (RS-232 In/ Out) 2. Please make sure the Baud rate setting is the same as the control equipment
5.	Whether the Internet can be used for operation	Please refer to Chapter 5 Network Function Settings Description for the Internet usage
6.	The camera does not save the relevant parameters (PTZ, AWB ...) after reboot	Please make sure if the Initial Position is set to Last Operated Position from the setting menu or web page Setting Menu: System-Initial Position Web page: Live View - Camera Setting- Pan Tilt Zoom
7.	VC-R32 cannot be operated by remote control	1. Please make sure the IR Select setting in the camera menu is the same setting as the Camera Select of the remote control 2. Please try to replace the batteries of the remote control 3. Please prevent VC-R32 from direct sunshine 4. Make sure the energy-saving bulb and the IR touch screen are as far as possible in order to avoid interference 5. When several VC-R32 are connected in the same area, the operation of two remote controls at the same time may result in signal interference. It is recommended to use one remote control only

8.	ONVIF software cannot locate the machine	Please be sure to use only English letters or numbers in [System]> [Device]> [Camera ID]/ [Location] of the webpage. Using special characters or space will cause the ONVIF software unable to search the machine.
9.	How to log into the webpage when you forget the password	Please contact the local distributor or Lumens.
10.	Unstable network connection when using PoE devices	1. Confirm the PoE switch meets the camera's required specification (IEEE 802.3af). 2. Disable the EEE (Energy Efficient Ethernet) function on the switch.
11.	Tracking Data Output is delayed or not updated	Please make sure that the camera is not in the following conditions. The following function settings may cause data output to be delayed or not updated: - Modify output resolution - Modify camera mode - Modify HDMI format - Enable OSD menu - Streaming setting - Audio setting

Chapter 1 Safety Instructions

Always follow these safety instructions when setting up and using the Document Camera:

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 position 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 power cords are 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 hanging rack you bought 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 the product during thunderstorms or if it is not going to be used for an extended period.
- 3.3 Do not place the 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.

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

■ Battery Warning (for products or accessories with batteries)

General Safety Warnings:

- Do not heat or dispose of the battery in fire, as it may explode or leak.
- Avoid short-circuiting: Do not connect the positive and negative terminals directly or use metallic

objects to connect them.

- Do not disassemble, crush, puncture, or modify the battery.
- Do not immerse the battery in water or any other liquids.

Usage and Storage Warnings:

- Do not store the battery in high-temperature environments (above 60°C) or in areas with high humidity.
- Keep away from direct sunlight and heat sources.
- If not in use for a long period, remove the battery and store it in a cool, dry place.

Disposal and Recycling Warnings:

- Do not dispose of the battery in household waste; follow local regulations for proper disposal and recycling.
- If leakage occurs, avoid contact with the leaked substance and clean the affected area immediately.

Child Safety Warnings:

- This product contains a button battery. Ingestion of a button battery can cause severe internal burns within 2 hours and may result in death.
- If a battery is swallowed or if internal battery material is contacted, seek medical attention immediately.
- Store batteries (whether new or used) in a place that is out of reach of children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.

■ **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.

■ **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 numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe A prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques," NMB-003 édictée par l'Industrie.

■ **EN55032 CE Warning**

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

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