

Lumens VC-BC701P 4K UHD Box Camera



# Lumens VC-BC701P 4K UHD Box Camera User Manual

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**Lumens®**

Lumens VC-BC701P 4K UHD Box Camera



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

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## Safety Instructions

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

### Operation

- Please use the product in the recommended operating environment.
- Do not place the product in a tilted position.
- Do not place the product on an unstable trolley, stand or table.
- Do not use this product near water or sources of heat.
- Use attachments only as recommended.

- Use the type of power source indicated on the product. If you are not sure of the type of power available, consult your distributor or local electricity company for advice.
- Always take the following precautions when handling the plug. Failure to do so may result in sparks or fire:
  - Ensure the plug is free of dust before inserting it into a socket.
  - Ensure that the plug is inserted into the socket securely.
- Do not overload wall sockets, extension cords or multi-way plug boards to avoid potential risks.
- Do not block the slots and openings in the case of the product. They provide ventilation and prevent the product from overheating.
- Except as specifically instructed in this User Manual, do not open or remove covers, otherwise it may expose you to dangerous voltages and other hazards. Refer all servicing to licensed service personnel.
- 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.

## **Installation**

- 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.

## **Storage**

- 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.
- Never push objects of any kind through cabinet slots. Never allow liquid of any kind to spill into the product.
- Unplug this product during thunderstorms or if it is not going to be used for an extended period.
- Do not place this product or accessories on top of vibrating equipment or heated objects.

## **Cleaning**





- Unplug all the cables before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.

## **Remote control (if the accessories are equipped with remote control)**

- Using an incorrect battery type in the remote control may result in a breakdown. Follow local instructions on how to dispose of used batteries.

## **Precautions**

Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. If the HD camera will not be used for an extended time, unplug it from the power socket.

	<div>Caution</div> <div>Risk of Electric Shock</div> <div>Please do not open it by yours</div>	
Caution: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to licensed service personnel.		
	This symbol indicates that this equipment may contain dangerous voltage which could cause electric shock.	
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, under 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.

### EN55032 (CE Radiation) Warning

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

### Package Contents

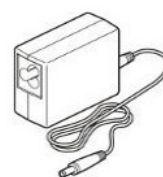
VC-BC701P

Power Cord

Power Adapter

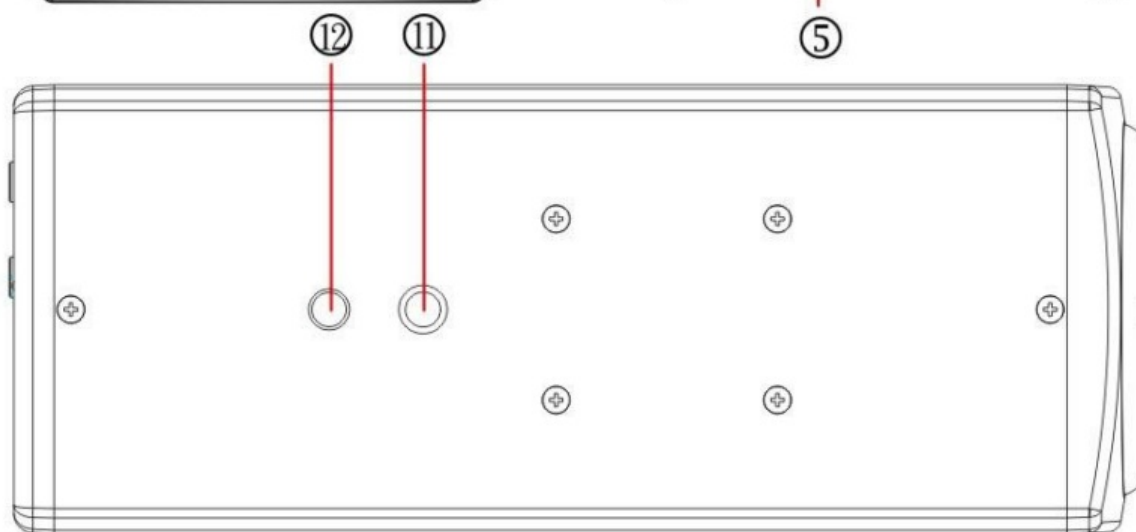
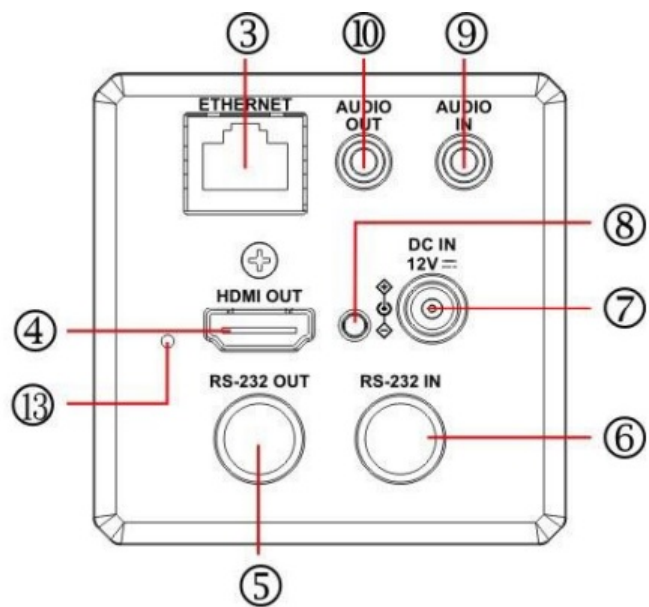
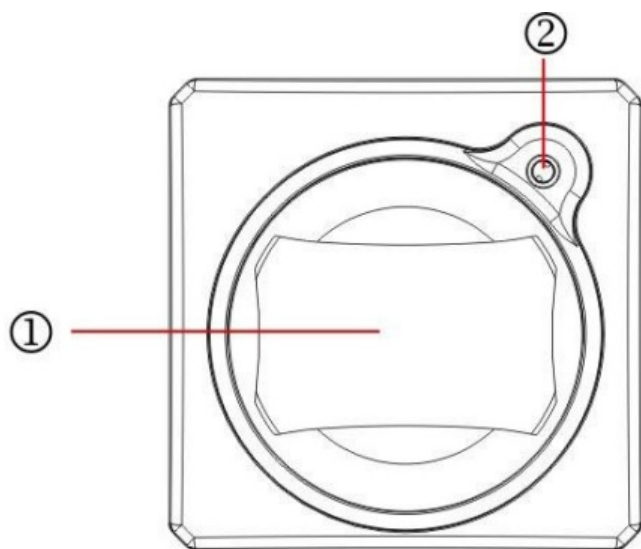


Appearance may vary  
depending on  
country/region



### Function Introduction

### I/O functions Introduction



NO.	Item	Function Descriptions
1.	Lens	30x HD camera lens
2.	Tally indicator light	Display the tally light status of the camera
3.	Network port	Network port. Support routers or hubs (IEEE 802.3 af) with PoE power supply support
4.	HDMI output	The factory output resolution is 4K/30. Please make sure that the connected display device supports 4K resolution
5.	RS232 output	RS232 output port. At most 7 cameras can be connected in a serial connection
6.	RS232 input	RS232 input port. At most 7 cameras can be connected in a serial connection
7.	DC 12 V power connector	AC power supply connecting port
8.	Power indicator light	After power is on, the indicator light will display in red
9.	Audio input	Support Line In / Mic In
10.	Audio output	Support 3.5 mm audio input
11.	Tripod screw holes	The camera is mounted on a (specification) 1/4", 20 UNC tripod deck or installed on VC-WM11 (optional)
12.	Locating holes	Ø5; depth 2 mm
13.	Reset button	Hold the button to reset the camera settings

### Tally Indicator Light Function Description

The Tally light function may be enabled through the control of the RS232 command. Please refer to the VC-BC701P RS-232 command set document

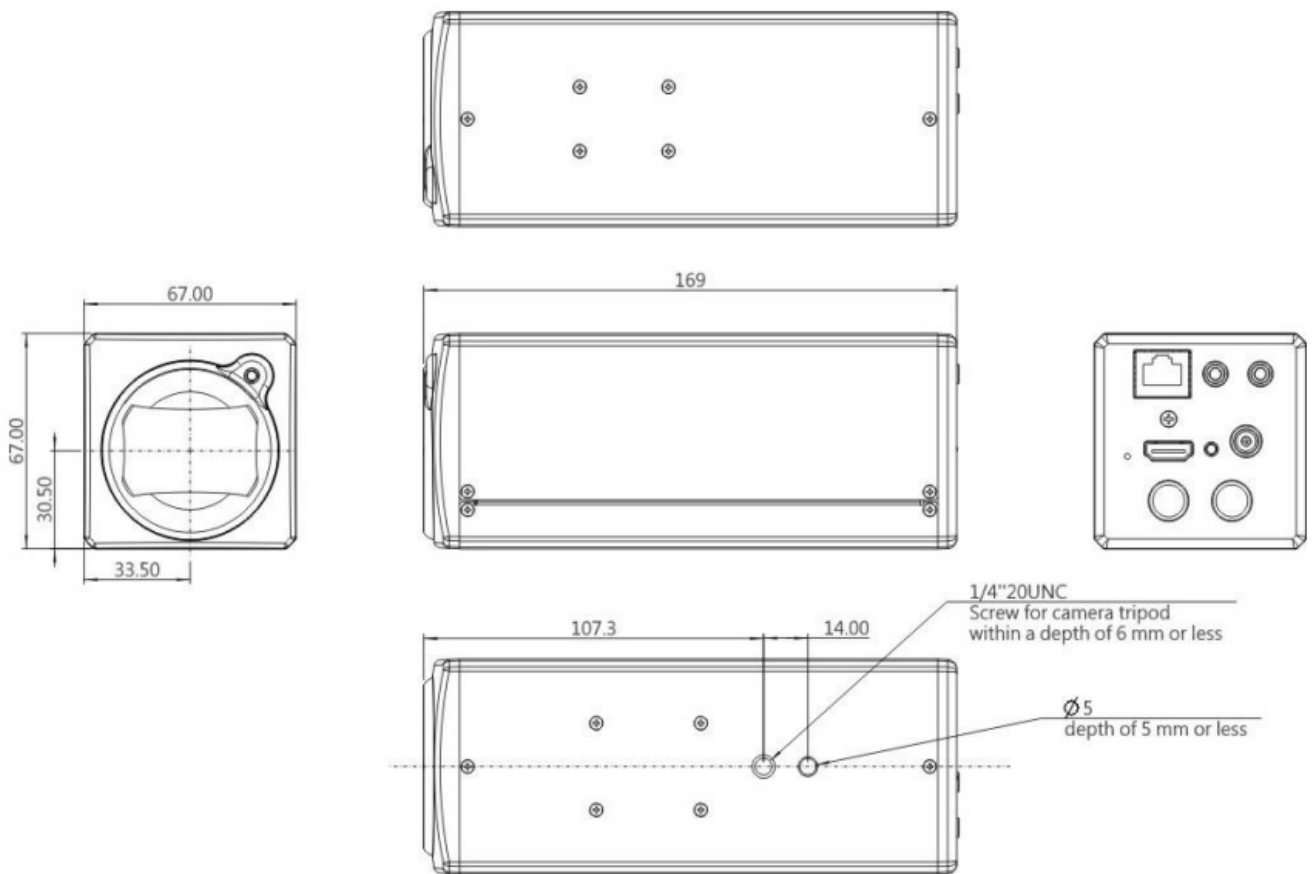
## Instruction for installation

### Basic Devices

#### 1. VC-BC701P size

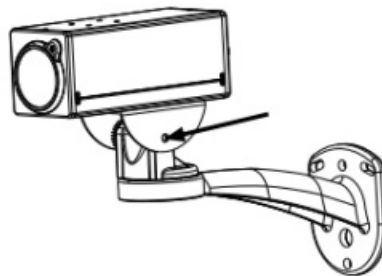
**Length x Width x Height:** 169 x 67.0 x 67.0 mm

**Weigh:** 0.5 Kg



## 2. Installation method

1. Wall-mounted frame: The camera is installed on the wall, using Lumens VC-WM11 (optional) wall-mounted frame.



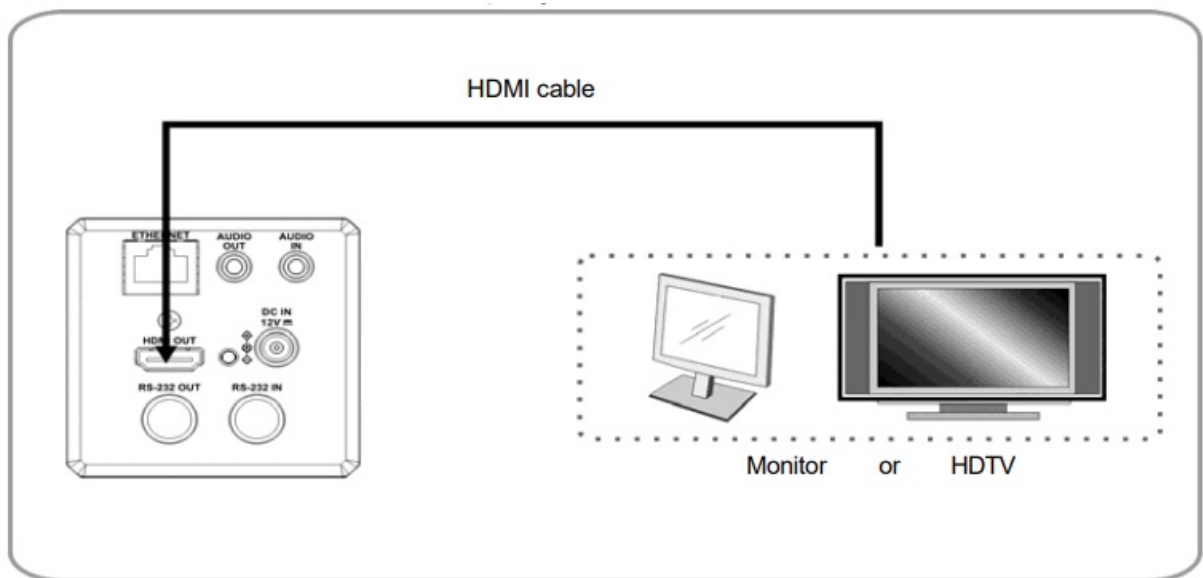
2. Tripod: The camera is mounted on a 1/4", 20 UNC PTZ tripod deck.



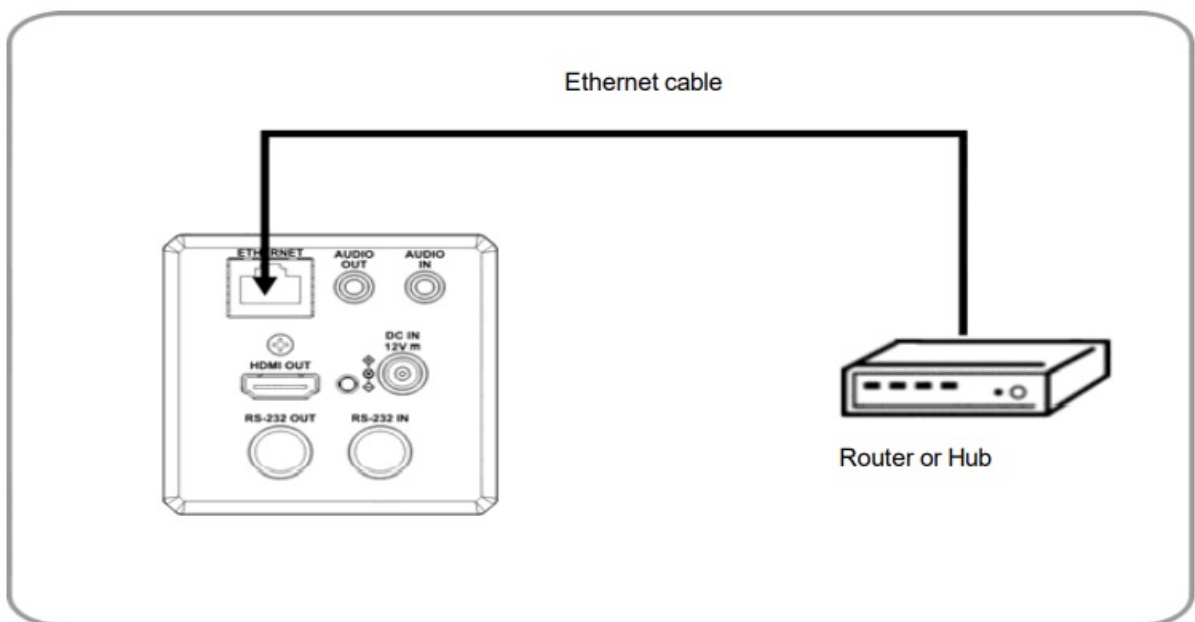
(Schematic diagram)

## Connecting devices

1. HDMI connection to TV/display screen

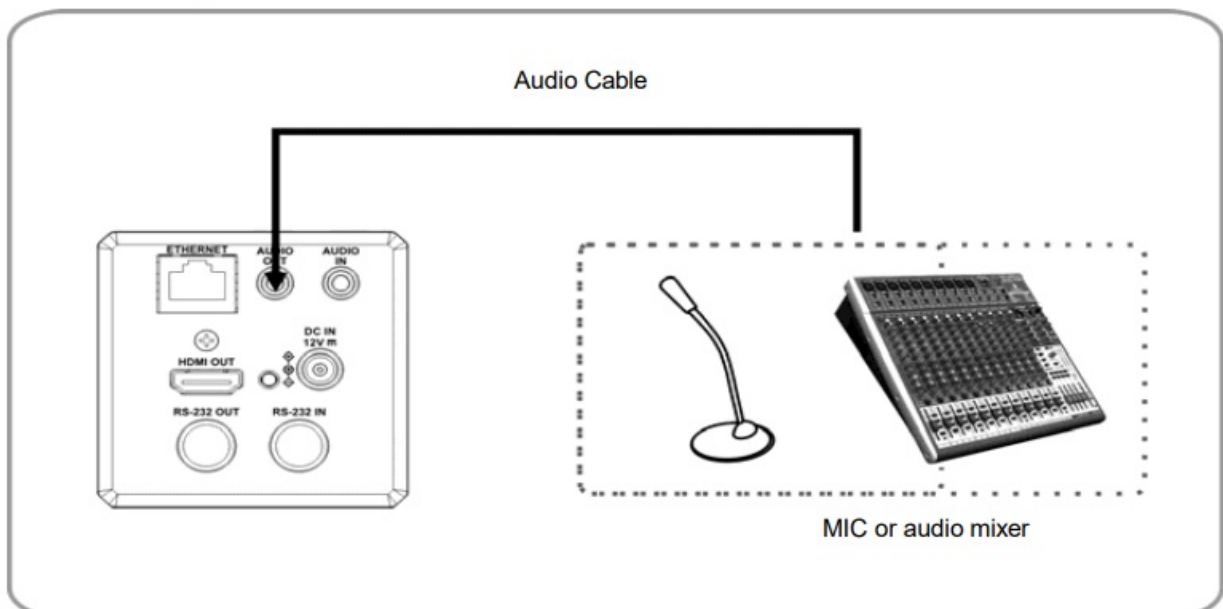


## 2. Connecting to Internet



<Remark> For details of web page connection setting and description, please refer to Chapter 5 Network Function Settings Description.

## 3. Connecting AUDIO IN

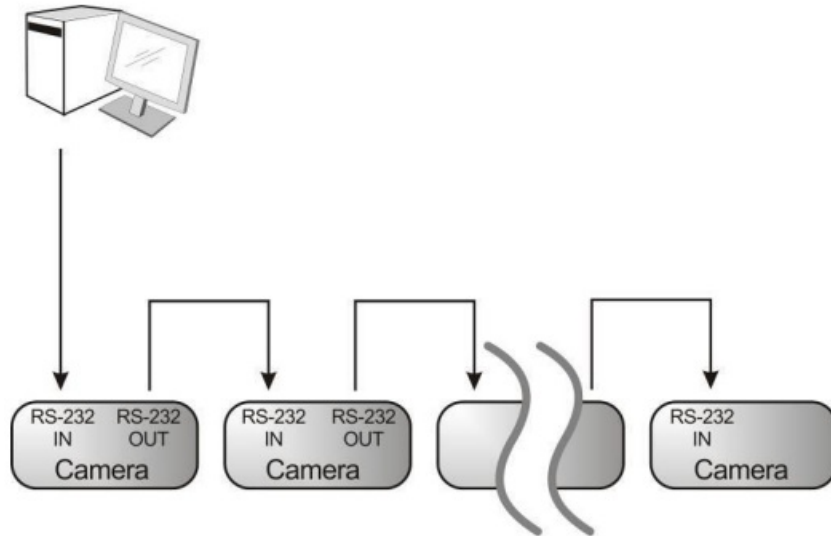




#### 4. Connecting RS-232

- RS-232 serial connection

With RS-232 in/out, at most 7 Lumens cameras can be connected



#### ■ RS-232 pin definition description

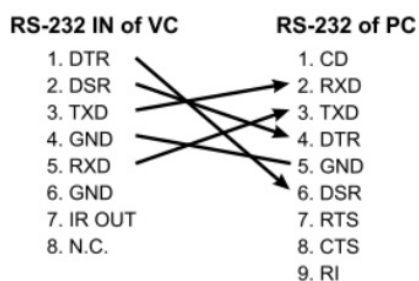
##### ▼ RS-232 IN Pins Instructions

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

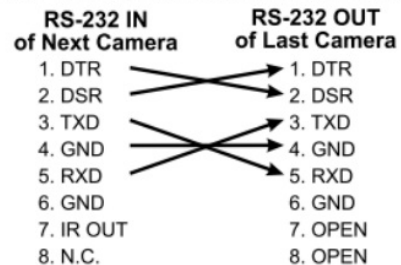
##### ▼ RS-232 OUT Pins Instructions

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	OPEN	Reserved
8	OPEN	Reserved

##### ▼ RS-232 Connection Instructions



##### ▼ RS-232 Connection Instructions



#### Network Function Settings Description

#### Web System Requirements

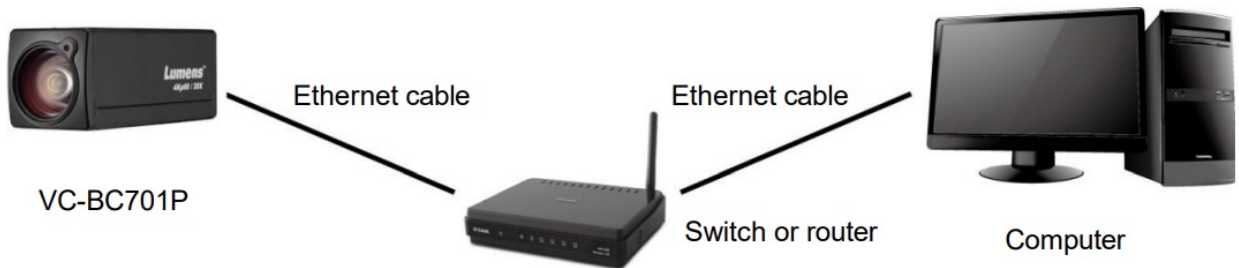
- **Web Browser:**
  - Internet Explorer 11 or above
  - Firefox 66.0.3 or above
  - Chrome 73 or above
  - Edge 42.17134 or above
  - Safari 12.1 or above

#### Connecting Camera to Network

- **Connecting to Internet**

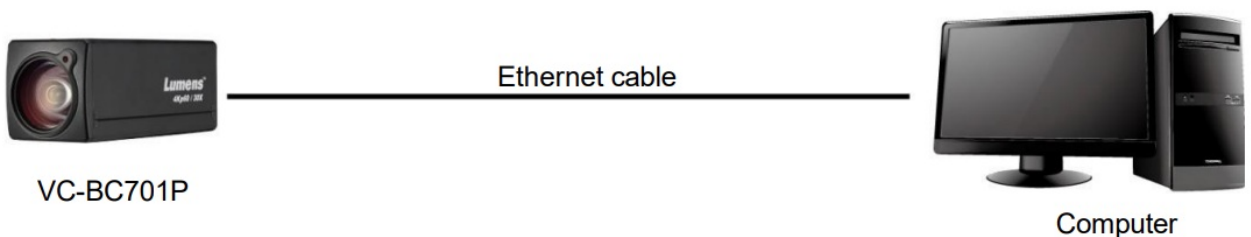
Two common connection methods are shown below

1. Connecting via switch or router

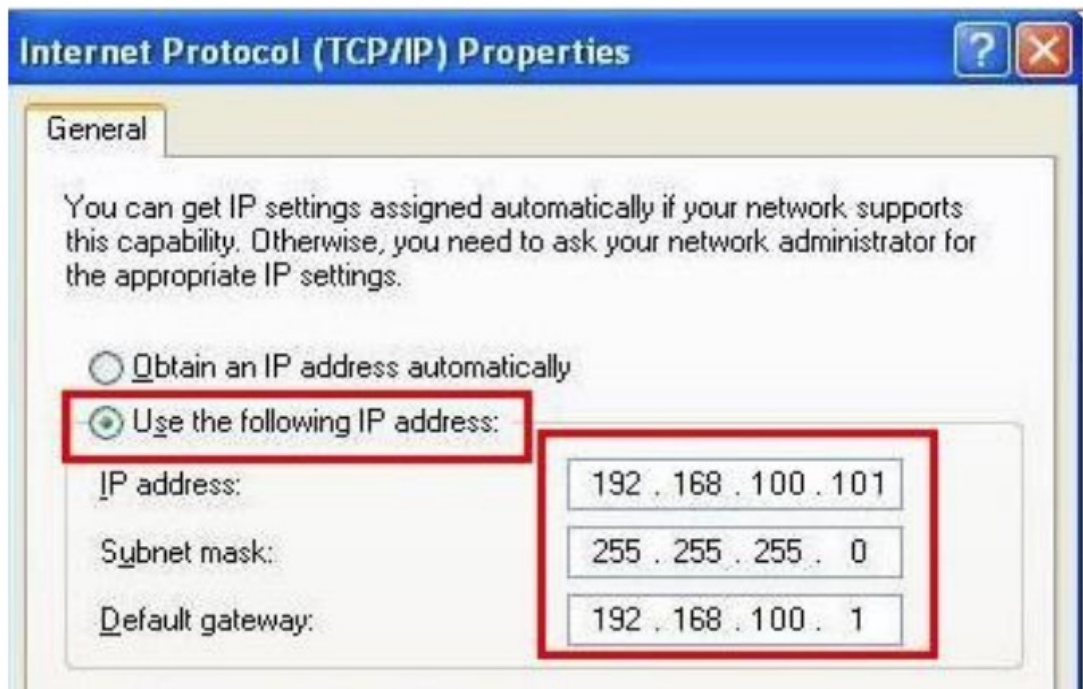


2. If the camera is connected to the computer directly, the computer IP address must be modified to have the same network segment as the camera


For example, the factory-preset default IP address of VC-BC701P is 192.168.100.100. The computer IP address must be set with the same subnet, such as 192.168.100.101 so that the computer can be connected correctly with the camera



◦ **Change network settings**



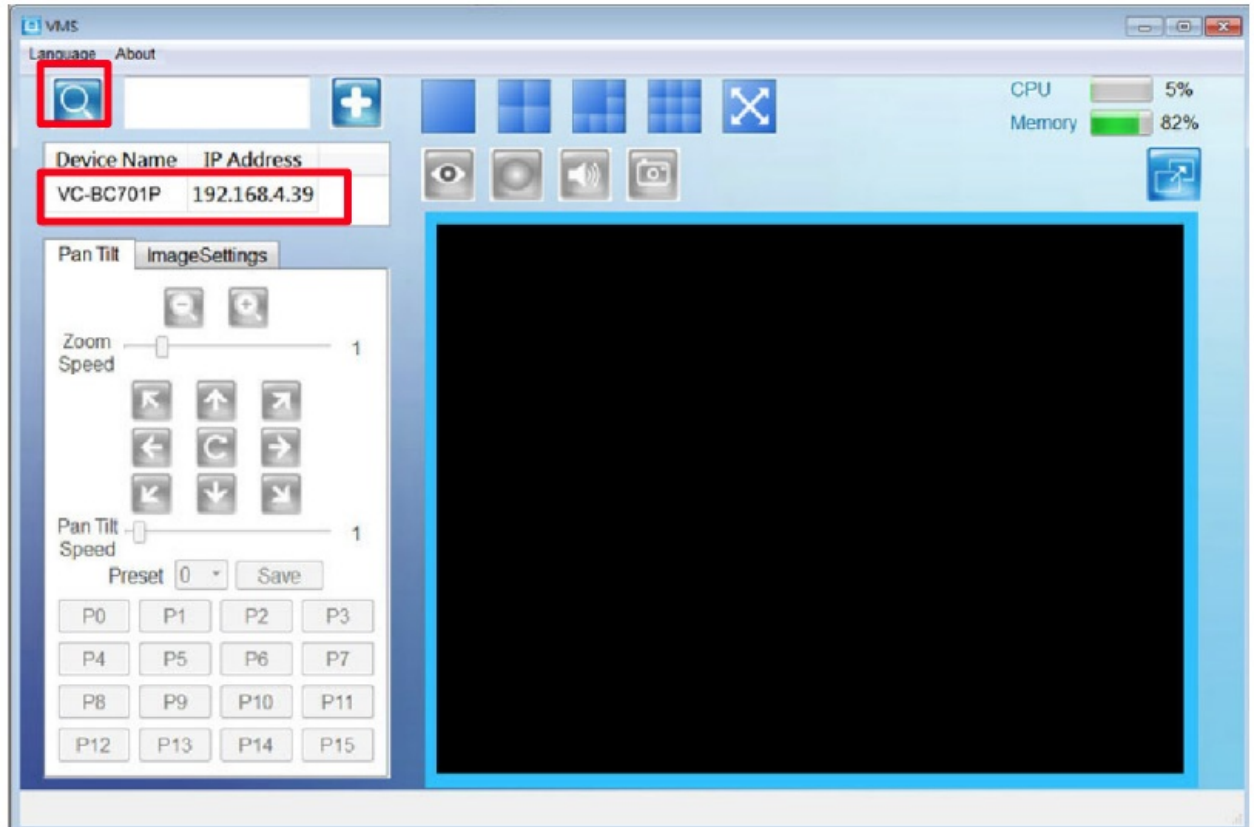
### Using Lumens VMS Software to View the Images

- The VC-BC701P DHCP initial setting is ON. If VC-BC701P is connected to the local area network (LAN), the camera IP can be retrieved via the following methods
- Install Lumens VMS software (Please download from the Lumens official website, <http://www.mylumens.com/support>)
  - Open LUMENS VMS software
  - Search for the camera: Press  [automatically search for the device] button to locate the VC-BC701P

camera

- Click VC-BC701P in the list and start operation after connecting to the network

**<Note>** When using automatic search, the camera and computer must be in the same network segment, e.g.: 192.168.4.X



### Using the Browser to View the Images

- Open the browser, and enter the URL of VC-BC701P in the IP address bar e.g.: <http://192.168.100.100> (default IP address)
- Enter the administrator's account and password Account: admin (Default) Password: 9999 (Default)  
**<Remark>** For a first-time login, please refer to 5.3.3 Account Management to change the default password.



### Using RTSP Player to View the Images

Besides the browser and VMS, other free software also can be used for RTSP connection, such as VLC Quick Time PotPlayer and other free software

RTSP connection address formats are as follows:

- RTSP Stream 1 => rtsp://camera IP:8554/hevc
- RTSP Stream 2 => rtsp://camera IP:8557/h264
- RTSP Stream 3=> rtsp://camera IP:8556/h264

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

- **RTSP Stream 1**

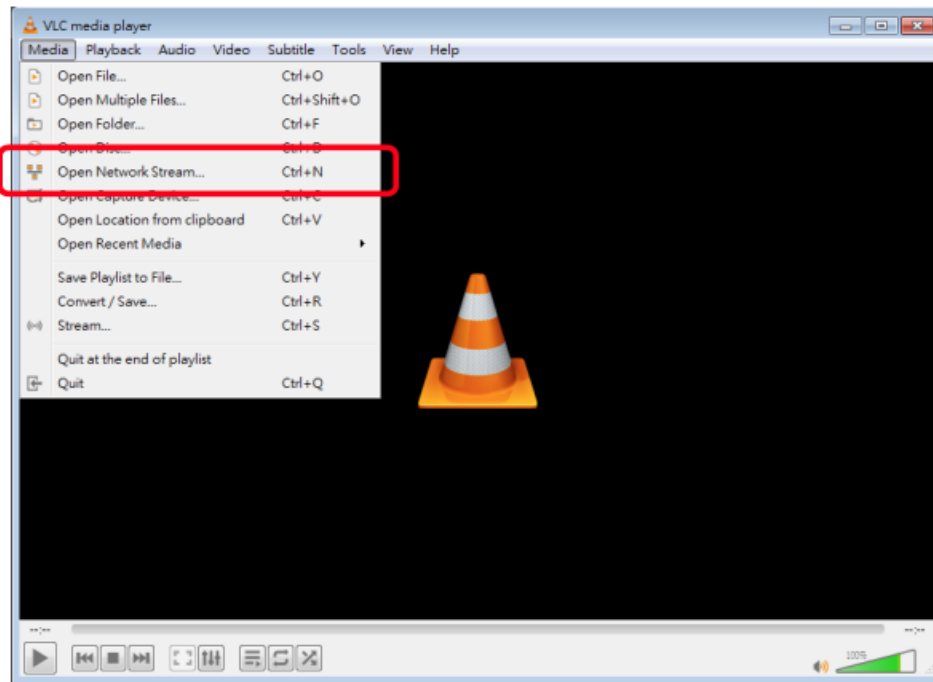
rtsp://Username: Password@VC IP address: port/hevc

- **RTSP Sub1/ Sub2 Streaming**

rtsp://Username: Password@VC IP address: port/h264

- To enable password authentication function, please refer to 5.3.9 Setting-Network

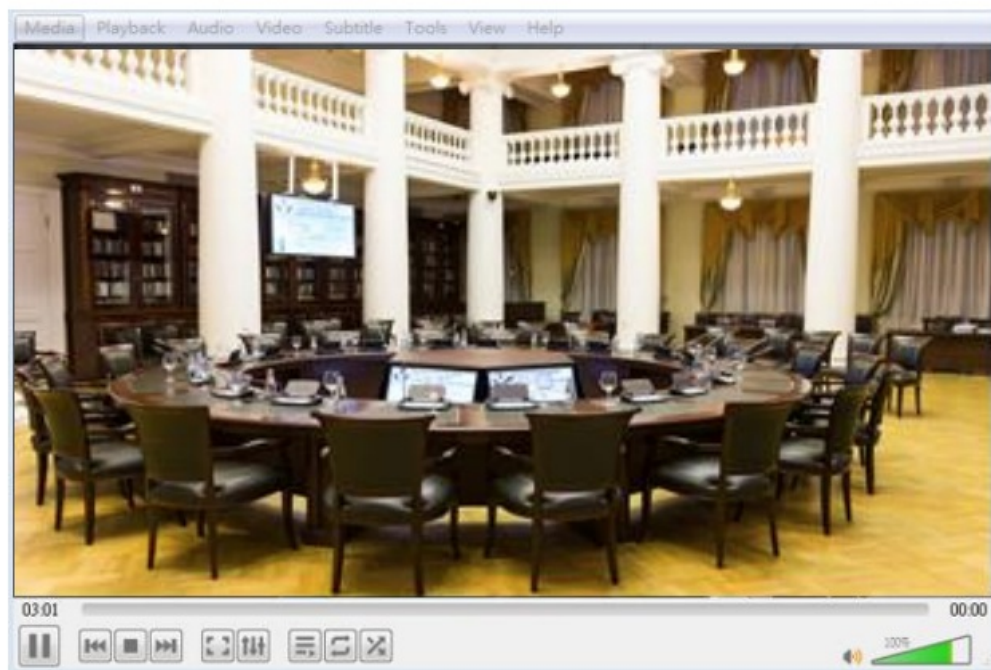
**Example:** Open VLC software and input the URL: rtsp://192.168.100.150:8557/h264



**Network Protocol**

Please enter a network URL:

`rtsp://192.168.100.150:8557/h264|`



## Web Page Function Description

### 1. Login Screen



No	Item	Function Descriptions
1	Username	Enter user account name (default: admin)
2	Password	Enter user password (default: 9999)  <Remark> For a first-time login, please refer to <b>5.3.3 Account Management</b> to change the default password
3	Language selection	Currently, the system supports English, Traditional Chinese and Simplified Chinese
4	Remember password	Save user account name and password to the browser. When you login next time, there is no need to re-enter them
5	Login	Log into the administrator screen on the website

## 2. Viewing In Real Time





No	Item	Function Descriptions
1	Preset setting	Select the number first and then select SAVE or LOAD
2	Zoom ratio	Adjust the zoom-in or zoom-out ratio via scroll bar
3	Preview window	Display the screen currently captured by the camera
4	Switch to Full Screen	Switch the preview window to full screen
5	Power button	Turn on or turn off the camera power

### 3. Account Management

**VC-BC701P**

**Add / Edit Users**

User Name

Password

Confirm Password

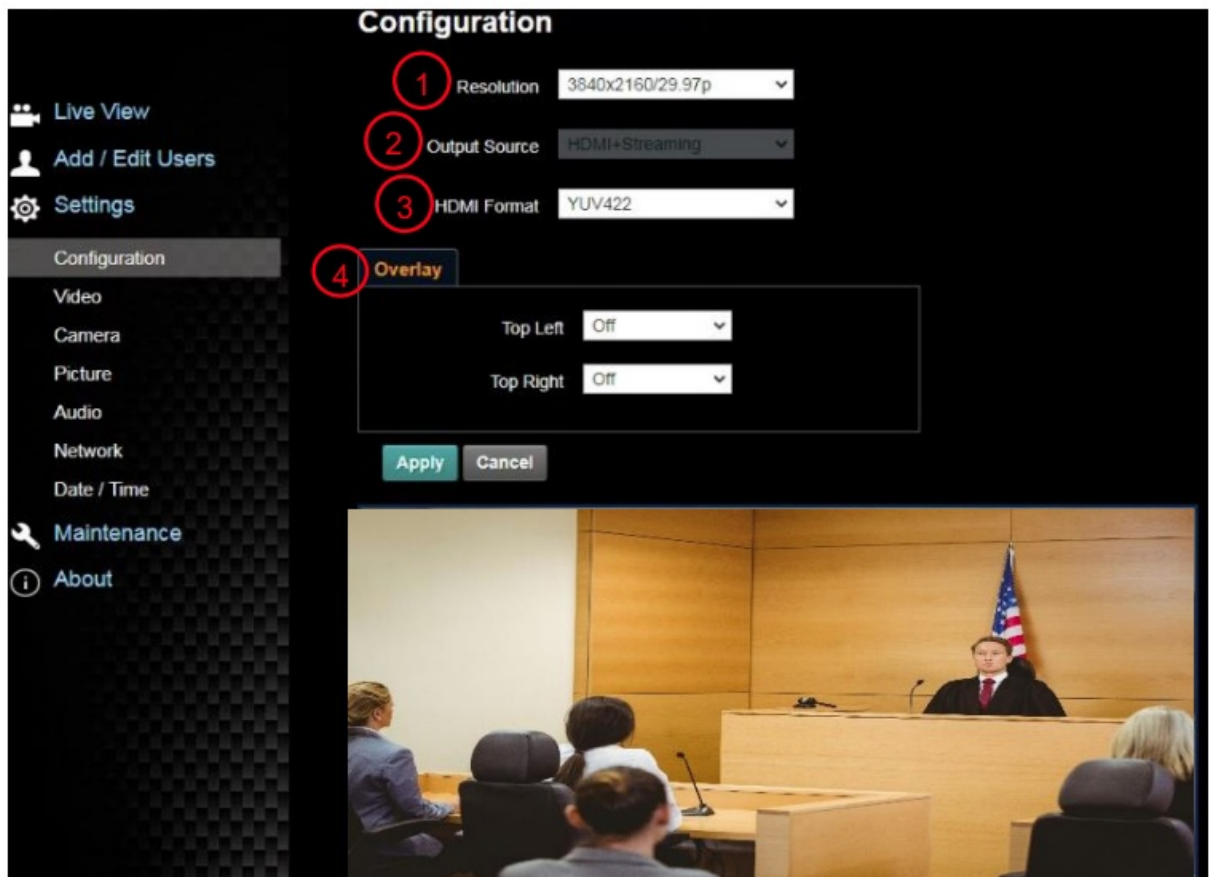
Authority ☒ Admin ☐ Operator ☐ Viewer

User Name	Authority	
admin	Administrator	<input type="button" value="Edit"/>

No	Item	Function Descriptions																
1	Add user account	Enter a username and password to add a new user																
2	Permission setting	<div>Set the new account management permissions</div> <table><tr><th>User Type</th><th>Admin</th><th>Operator</th><th>Viewer</th></tr><tr><td>View images</td><td>Y</td><td>Y</td><td>Y</td></tr><tr><td>Settings</td><td>Y</td><td>Y</td><td>N</td></tr><tr><td>Account management</td><td>Y</td><td>N</td><td>N</td></tr></table>	User Type	Admin	Operator	Viewer	View images	Y	Y	Y	Settings	Y	Y	N	Account management	Y	N	N
User Type	Admin	Operator	Viewer															
View images	Y	Y	Y															
Settings	Y	Y	N															
Account management	Y	N	N															
3	Applying setting	Add the newly created user to the account list																
4	List of accounts	Edit: Modify the user password and permissions Delete: Delete the user account																

#### 4. Setting-System Setting







No	Item	Function Descriptions
1	Resolution	<p>Set the resolution of the camera. Resolutions supported by the camera are as follows:</p> <p>3840x2160P 60/ 59.94/ 50/ 30/ 29.97/ 25 fps</p> <p>1080P 60/ 59.94/ 50/ 30/ 29.97/ 25 fps</p> <p>720P 60/ 59.94/ 50/ 30/ 29.97/ 25 fps</p> <p>1080i 60/ 59.94/ 50 fps</p> <p>After switching to the resolution, the camera will restart. Please refresh the browser</p>


2	Output signal	According to the output resolution, selections are available for HDMI output, streaming output, or HDMI + streaming output. For output signals supported by different resolution, please refer to the following table:	
		Resolution	Available output modes
		3840×2160 60/ 59.94/ 50	HDMI or streaming single output
		3840×2160 30/ 29.97/ 25	Simultaneous HDMI and streaming outputs
		1080p 60/ 59.94/ 50/ 30/ 29.97/ 25	
		720p 60/ 59.94/ 50/ 30/ 29.97/ 25	
		1080i 60/ 59.94/ 50	
3	HDMI Format	Select YUV422, YUV420 or RGB  <b>&lt;Remark&gt;</b> YUV420 is only available for these two resolutions, 3840×2160/ 59.94p and 3840×2160/ 50p and remains in display mode for all other resolutions	
4	Overlay	Set the stream to display “ <b>date and time</b> ” or “ <b>custom content</b> ” and to display “ <b>location</b> ”  <b>&lt;Remark&gt;</b> “ <b>Custom Content</b> ” supports up to 30 characters	

## 5. Setting-Video

VC-BC701P

 Live View

 Add / Edit Users

 Settings

Configuration

Video


Camera


Picture

Audio

Network

Date / Time

 Maintenance

 About

## Video

1 Camera ID VC-BC701P

2 Location Default

3 Stream 1 Stream 2 Stream 3

4 ☒ Enable Stream2

Codec H.264

Resolution 1080P

Frame Rate 29.97 fps

Bit Rate 7500 kbps

Rate Control CBR

IP Ratio 15

Apply

Cancel

No

Item

Function Descriptions

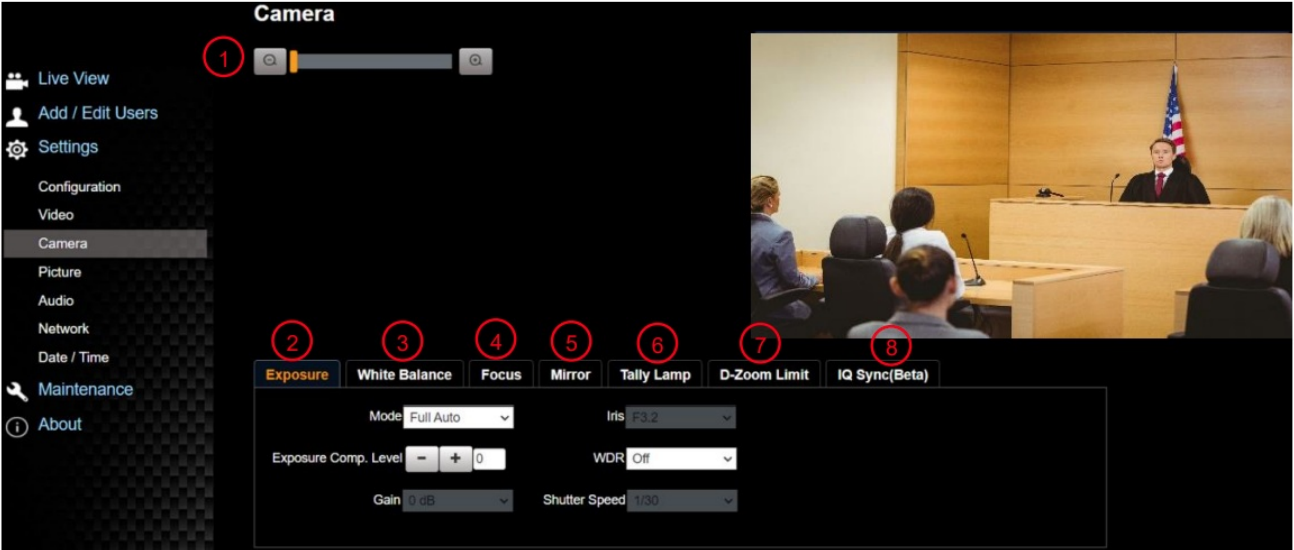
1	Camera ID	<p>Modify the camera name</p> <p>n Camera names are limited to 1-12 characters</p> <p>n Please use a camera name by mixing uppercase and lowercase letters and numbers. Do not use “/” and “space” or special symbols</p> <p><b>&lt;Note&gt;</b> Modifying this field will modify the Onvif device name synchronously</p>
2	Location	<p>Modify the location of the camera, such as Meeting Room 1</p> <p>n Camera locations are limited to 1-11 characters</p> <p>n Please use a camera name by mixing uppercase and lowercase letters and numbers. Do not use “/” and “space” or special symbols</p> <p><b>&lt;Note&gt;</b> Modifying this field will modify the Onvif device location synchronously</p>
3	Streaming 1 / Streaming 2 / Streaming 3	VC-BC701P supports 3 streaming outputs. Please refer to <b><u>5.3.5.1 Streaming Parameter Setting</u></b> for relevant settings
4	Open streaming	Confirm the streaming function

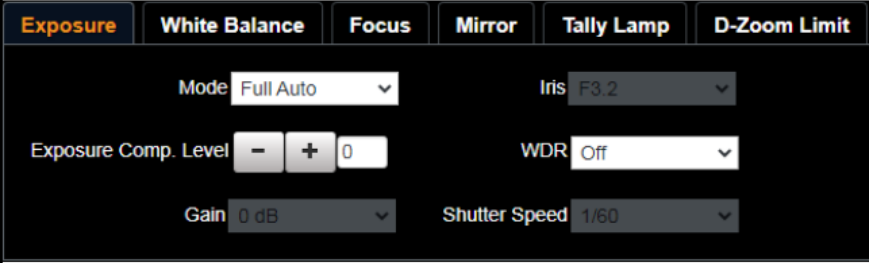
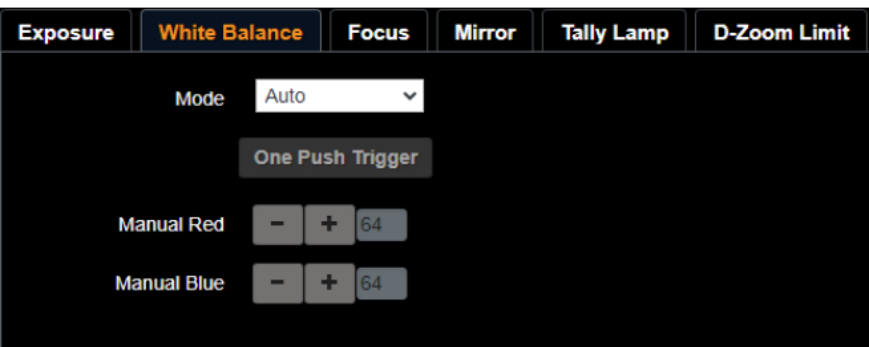
#### 1. Streaming parameter setting

Function	Streaming 1	Streaming 2	Streaming 3
Encode Format	H.265	H.264	
Resolution	4K /1080P / 720P	1080P / 720P/ 1080i	D1
Frame rate	<p>Setting according to the supported resolution</p> <p><b>&lt;Remark&gt;</b> Only supports 59.94/ 50 when the stream 2's resolution is 1080i</p>		

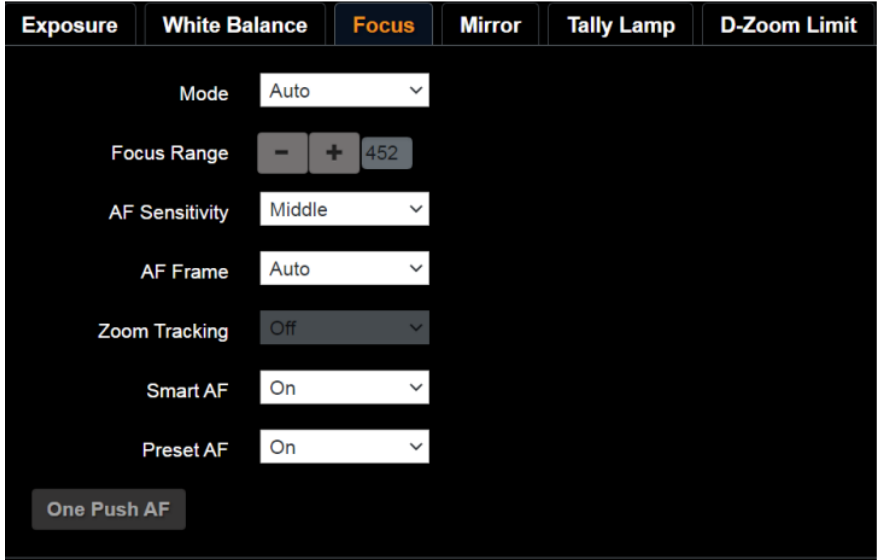
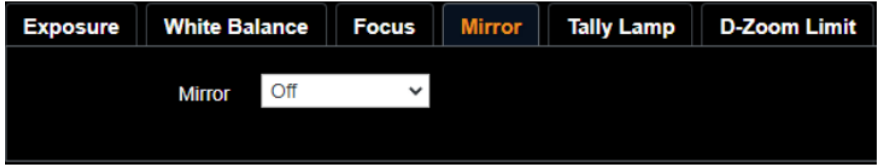
Bit Rate(kbps)	Range	2,000~20,000	2,000~20,000	512~5,000
	Factory default	15,000	7,500	1,000
Rate control		VBR / CBR		
IP ratio		Setting according to the supported resolution <b>&lt;Remark&gt;</b> Only supports 15 / 25 when the resolution is 1080i		

## 6. Setting-Camera

		
No	Item	Function Descriptions
1	Zoom ratio	Adjust the zoom-in or zoom-out ratio via scroll bar

2	Exposure	<div data-bbox="592 91 1465 353">  </div> <p>n <b>Mode:</b> Select exposure mode (Automatic/Shutter Priority/Aperture Priority/Manual )</p> <p>n <b>Exposure Comp. Level:</b> Select exposure compensation level</p> <p>n <b>Gain:</b> The gain limit is adjustable when the exposure mode is set to “Manual”</p> <p>n <b>Iris:</b> The size of aperture is adjustable when the exposure mode is set to “Manual” or “Aperture Priority”</p> <p>n <b>WDR:</b> Set the level of wide dynamic range (WDR) in order to obtain better images</p> <p>n <b>Shutter Speed:</b> The shutter speed is adjustable when the exposure mode is set to “Manual” or “Shutter Priority”</p>
3	White balance	<div data-bbox="592 1106 1465 1451">  </div>

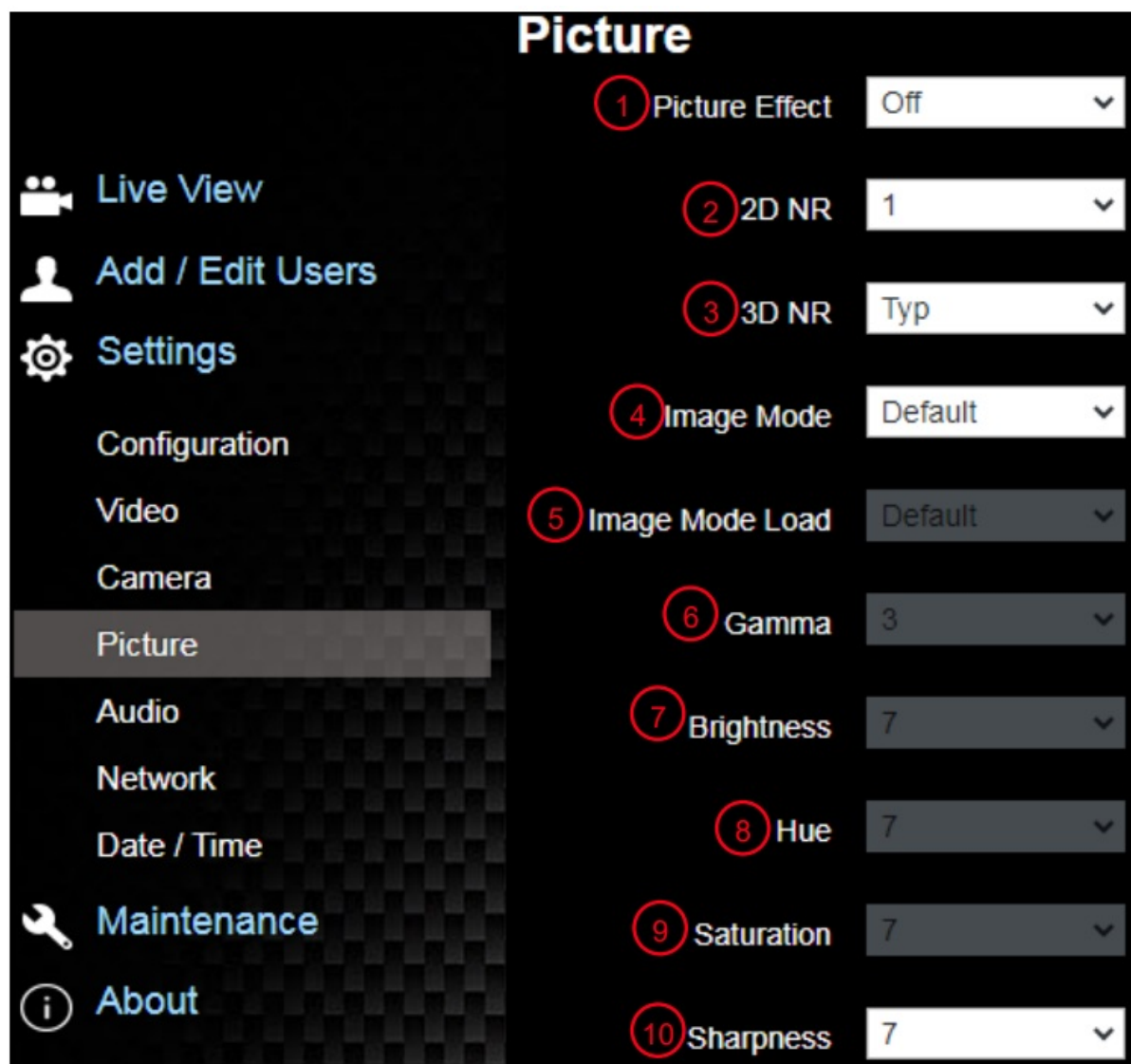
		<p>n <b>Mode:</b> Select the color temperature mode</p> <ul style="list-style-type: none"> <li>• Auto</li> <li>• Indoor</li> <li>• Outdoor</li> <li>• One Push WB</li> <li>• ATW</li> <li>• Manual</li> <li>• Sodium Lamp</li> <li>• 3000K/ 4300K/ 5000K/ 6500K/ 8000K</li> </ul> <p>n <b>Open Push Trigger:</b> One push color temperature is adjustable when the white balance mode is set to “One Push Trigger”</p> <p>n <b>Manual Red/Blue:</b> Manually adjust blue/red color temperature</p>
--	--	--

4	Focus	<div data-bbox="587 91 1469 649">  </div> <p>n <b>Mode:</b> Select manual/automatic focus</p> <p>n <b>Focus Range:</b> The focusing range is adjustable when the focus mode is set to “Manual”</p> <p>n <b>AF Sensitivity:</b> Set automatic focus sensitivity</p> <p>n <b>AF Frame:</b> Set automatic focus range</p> <p>n <b>Zoom Tracking:</b> The focus can be set during lens zooming in</p> <p>Manual Focus mode</p> <p>n <b>Smart AF:</b> Turn on this function and AF will mainly focus on the face</p> <p>n <b>Preset AF:</b> Set whether to perform auto focus after Preset</p> <p>n <b>One Push AF:</b> When the manual focus mode is on, click the button to perform one auto focus</p>
5	Mirror	<div data-bbox="587 1478 1469 1641">  </div> <p>n <b>Mirror:</b> Set automatic flip mode</p> <ul style="list-style-type: none"> <li>• Off</li> <li>• Mirror</li> <li>• Flip</li> <li>• Mirror + Flip</li> </ul>



6	Tally Light	<div> <div>ExposureWhite BalanceFocusMirrorTally LampD-Zoom Limit</div> <div> <div>Tally Lamp</div> <div>Disable</div> </div> <div> <div>Tally CMMD Mode</div> <div>Link</div> </div> </div>
		<p>n Enable/ Disable Tally Light</p> <p>n <b>Tally CMMD Mode: Set whether the indicator light is linked with R S232 command</b></p> <ul style="list-style-type: none"> <li>General (Not linked): The indicator light switch and mode shall be set separately.</li> </ul> <p>-When the indicator light is on and the default mode is off, additional command is required to set the indicator light mode</p> <p>-Setting the indicator light mode when the indicator light is off will not trigger the indicator light</p> <ul style="list-style-type: none"> <li>Link:</li> </ul> <p>-When the indicator light is on, the default mode is red light</p> <p>-Setting the indicator light mode when the indicator light is off will turn on the indicator light</p>
7	D-Zoom Limit	<div> <div>ExposureWhite BalanceFocusMirrorTally LampD-Zoom Limit</div> <div> <div>D-Zoom Limit</div> <div>x1</div> </div> </div> <p>Set the D-Zoom Limit, x1-x12</p>
8	IQ Sync	<div> <div>ExposureWhite BalanceFocusMirrorTally LampD-Zoom LimitIQ Sync(Beta)</div> <div> <div> <div> <div>IQ Sync Master</div> <div> <div>Serial Output</div> <div>IP Output</div> </div> </div> <div>Add</div> <div> <div>Slave IP</div> <div></div> </div> </div> </div> <p>Set IQ main synchronized device</p> <p>Available when “Exposure” and “White Balance” is set to “Auto” mode</p> <p>(Currently it's the beta version. Please refer to Web Page Firmware Update Information for the official version release schedule.)</p> </div>

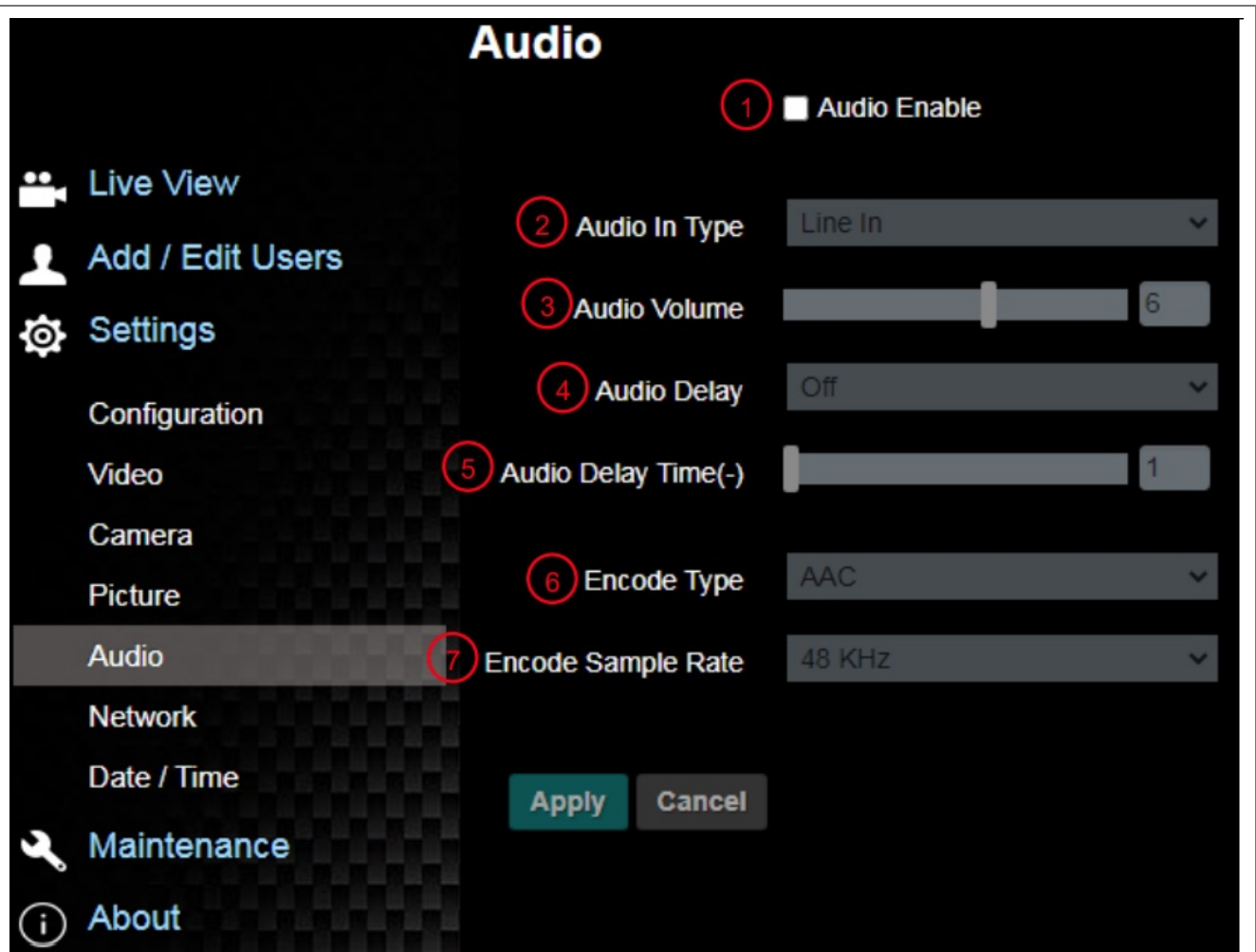
## 7. Setting-Picture



No	Item	Function Descriptions
1	Picture effect	Set picture effect, Off / Film / Black and White
2	2D noise reduction settings	2D noise reduction settings
3	3D noise reduction settings	3D noise reduction settings
4	Image mode	The user may customize his/her desired image mode
5	Image mode load	When no custom setting is needed, reset the picture parameters back to the factory default by selecting this item

6	Gamma	Gamma Level adjustment; Adjustable when the image mode is set to Custom
7	Brightness	Brightness adjustment; Adjustable when the image mode is set to Custom
8	Contrast	Contrast adjustment; Adjustable when the image mode is set to Custom
9	Saturation	Saturation adjustment; Adjustable when the image mode is set to Custom
10	Sharpness	Adjust the sharpness of the image

## 8. Setting-Audio



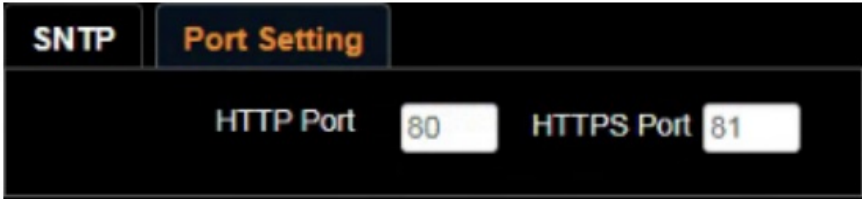
No	Item	Function Descriptions
1	Open audio	Turn on / off sound
2	Audio In Type	Set MIC In / Line In
3	Audio Volume	Adjust Volume

4	Audio Delay	Turn on / off Audio Delay
5	Audio Delay Time	Set the audio delay time (-1~-500ms)
6	Encode Type	AAC / G.711
7	Encode Sample Rate	Set Encode sample rate <ul style="list-style-type: none"> <li>48 KHz(AAC)</li> <li>44.1 KHz(AAC)</li> <li>16 KHz(AAC)</li> <li>16 KHz(G.711)</li> <li>8 KHz(G.711)</li> </ul>

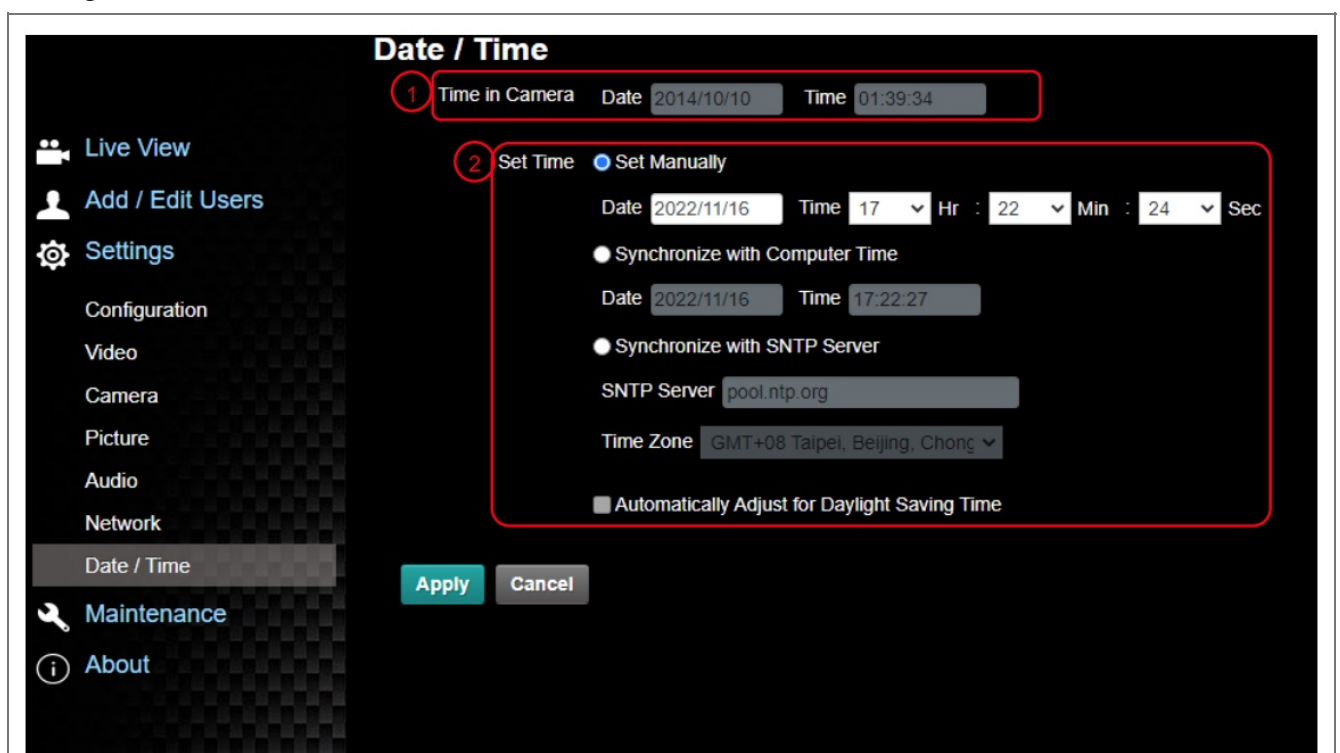
## 9. Setting-Network

No	Item	Function Descriptions
1	Network	Network setting of camera. Change of setting is available only when DHCP function is closed.
2	RTMP Setting	<p>Copy the RTMP web address provided by the RTMP service platform and paste it to the RTMP connection address to publish the camera images on the RTMP service platform</p> <p><b>&lt;Remark&gt;</b>To upload to YouTube for live streaming, please see <a href="#">5.3.8 Setting – Audio</a> to turn on the audio function first</p>

3	RTSP Setting	<p>n <b>Enable/Disable Multicast.</b></p> <p>It is suggested to enable Multicast when the number of users online watching the live image simultaneously is more than 4</p> <p>n <b>Enable/Disable Password Authentication</b></p> <ul style="list-style-type: none"> <li>• RTSP connection format can be found in <b><i>5.2.4 Using RTSP Player to View the Images</i></b></li> <li>• The username/password is the same as the web login password of the camera, please refer to <b><i>5.3.3 Account Management</i></b> to add/modify account information</li> </ul>
4	MPEG-TS Setting	<p>The port number must be set in the range above 1024 with a maximum value of 9999</p> <p><b>&lt;Remark&gt;</b> The following port has been used by the camera. Setting of the port may not connect correctly</p> <p>8554, 8556, 8557, 8080, 9090, 1935</p>
5	SRT Setting	<ol style="list-style-type: none"> <li>1. Set the field of SRT and then check the item to open SRT streaming. After the SRT streaming is opened, it will be connected automatically upon startup.</li> <li>2. The port number must be set in the range above 1024 with a maximum value of 9999</li> </ol> <p>The following port number has been used by the camera. Setting of the port number may not connect correctly</p> <p>8554/ 8557/ 8556/ 8555/ 1935</p> <ol style="list-style-type: none"> <li>3. Delay time is for 20 to 8,000 microseconds. The default value is 120 microseconds</li> </ol>

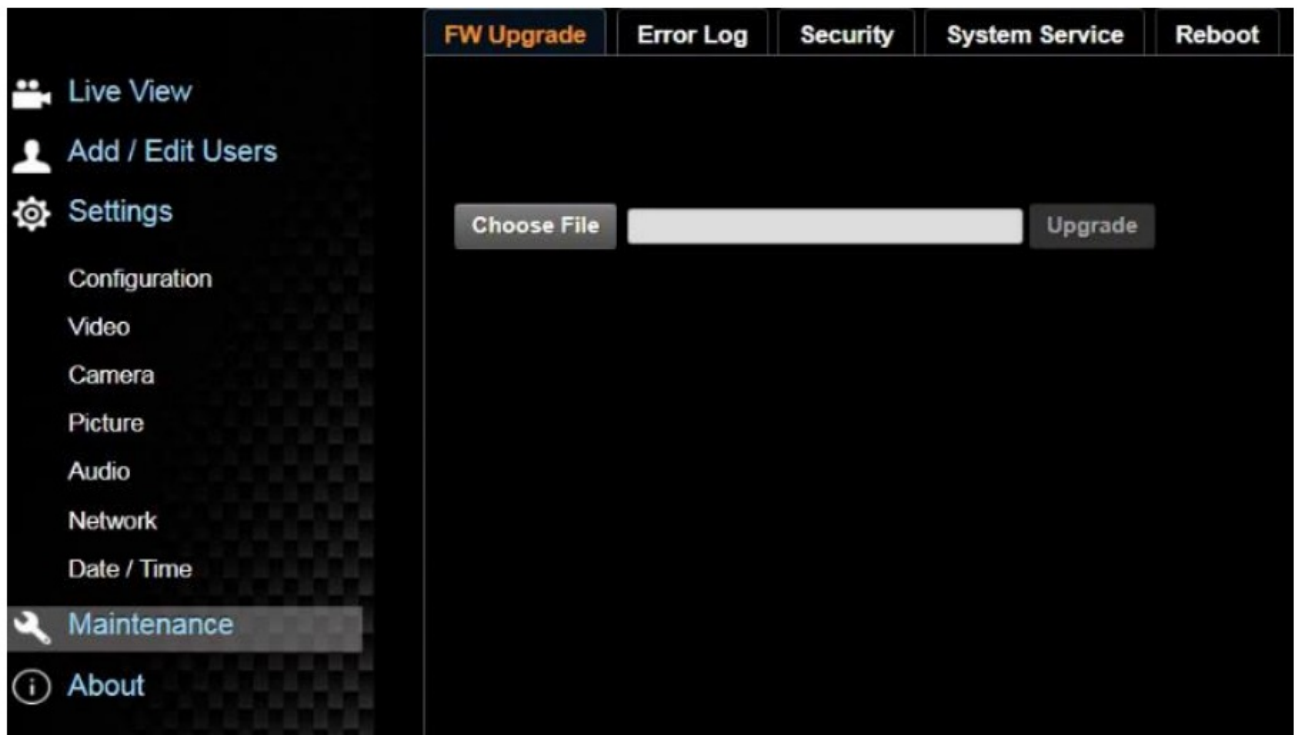
6	SNTP / Port Setting	<p>n SNTP Setting: Set SNTP Server IP</p> <p>n Port Setting: Set HTTP port. The default Port value is 80 Port Setting: Set HTTP port. The default Port value is 81</p>  <p>&lt;Remark&gt; Change of setting is available only when DHCP function of camera is closed</p>
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## 10. Setting-Time



No	Item	Function Descriptions
1	Camera Time	Display the date and time of the camera
2	Set the Time	<p>n Set Manually: Set time manually</p> <p>n Synchronize with computer time: Set the camera time according to the computer time</p> <p>n Synchronize with SNTP server: Set the camera time synchronously with the SNTP server</p> <p>&lt;Remark&gt; SNTP server address: Please change in network setting</p>

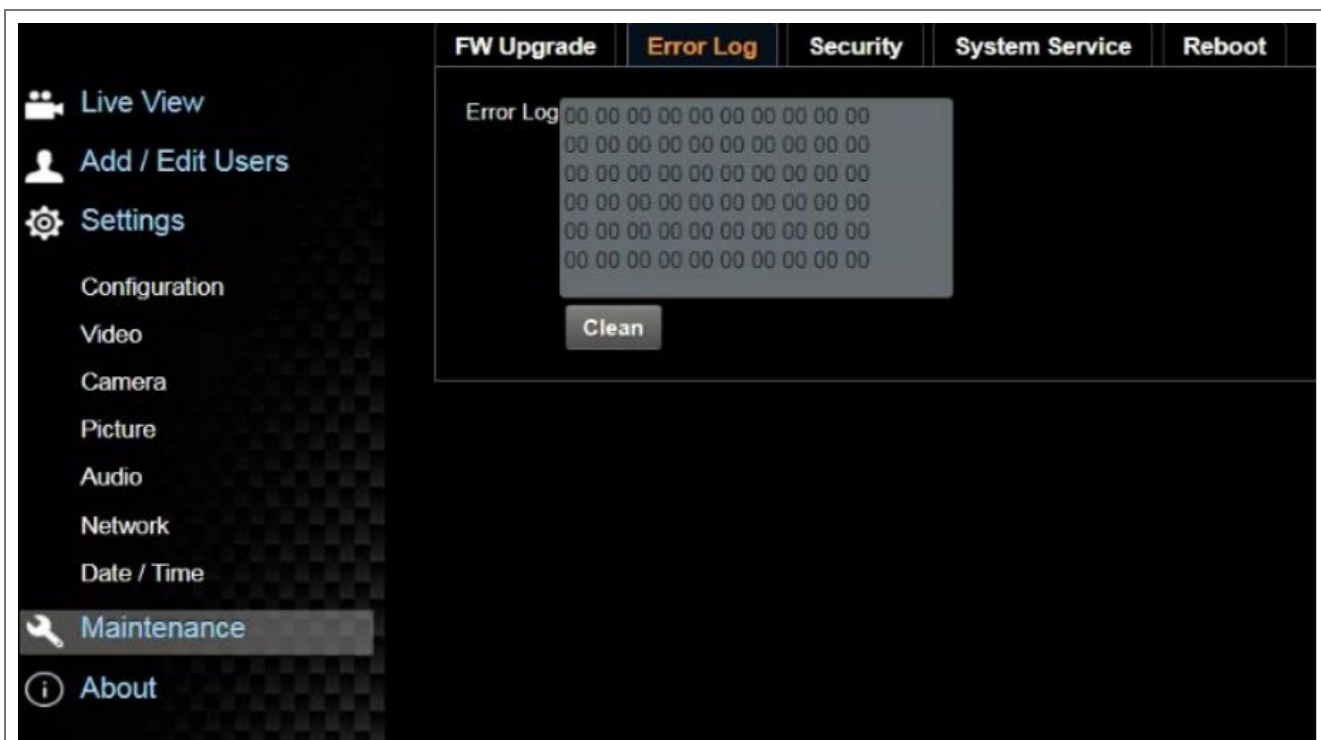
## 11. Setting-Maintenance – Upgrading Firmware



No	Item	Function Descriptions
1	Firmware Update	The camera firmware may be upgraded via web page. For the upgrade method, please download the FW upgrade manual from Lumens website

## 12. Setting-Maintenance – Incident Log





No	Item	Function Descriptions
1	Event Logs	<p>If the camera encounters errors, an error code log will be established</p> <p><b>&lt;Remark&gt;</b> When an error code appears, the user may try to clear and confirm if the error will repeat itself</p>

### 13. Setting-Maintenance – Security

Live View

Add / Edit Users

Settings

Configuration

Video

Camera

Picture

Audio

Network

Date / Time

Maintenance

About

FW Upgrade

Error Log

Security

System Service

Reboot

802.1x setting

Enable

EAP Identify

EAP Password

EAP method

PEAP

Import

Choose File

CA certificate

Issuer DN

Subject DN

Available period

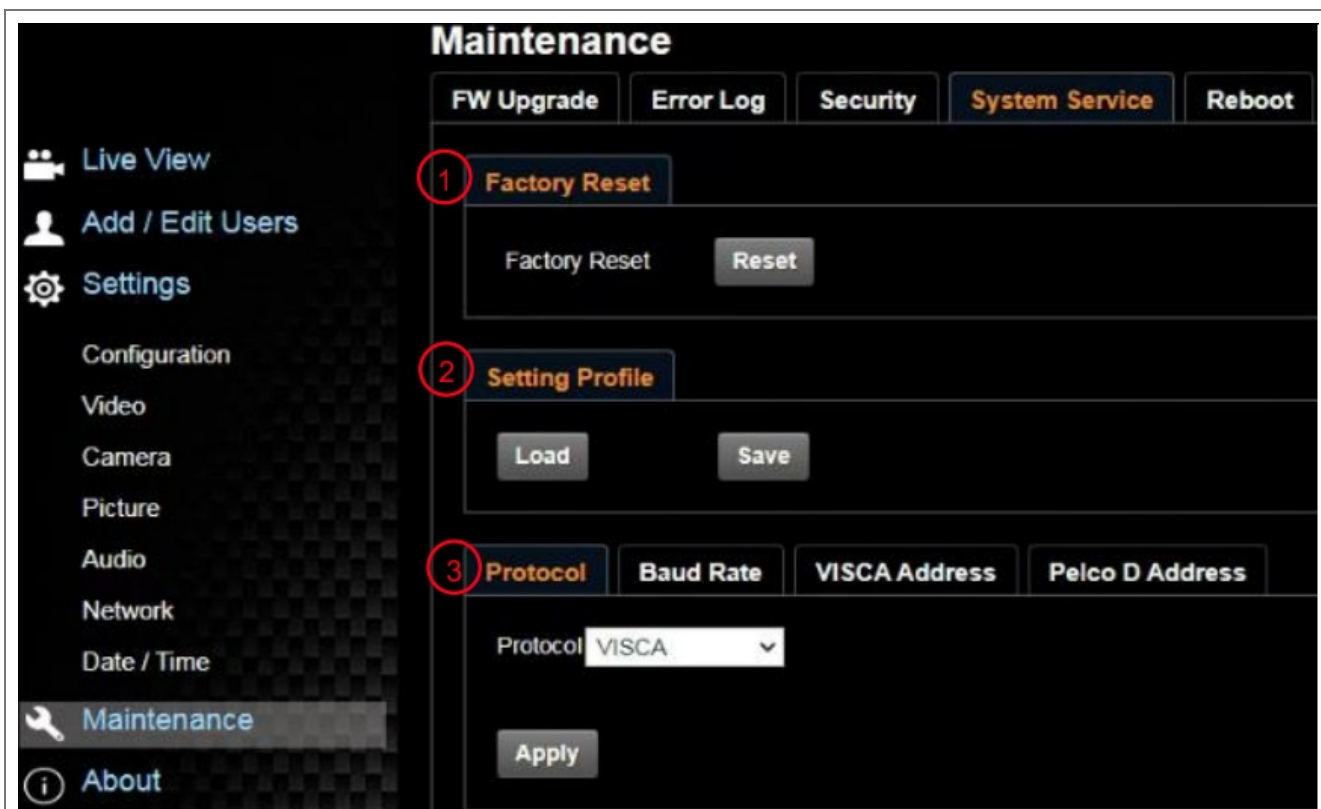
-

Apply

Cancel

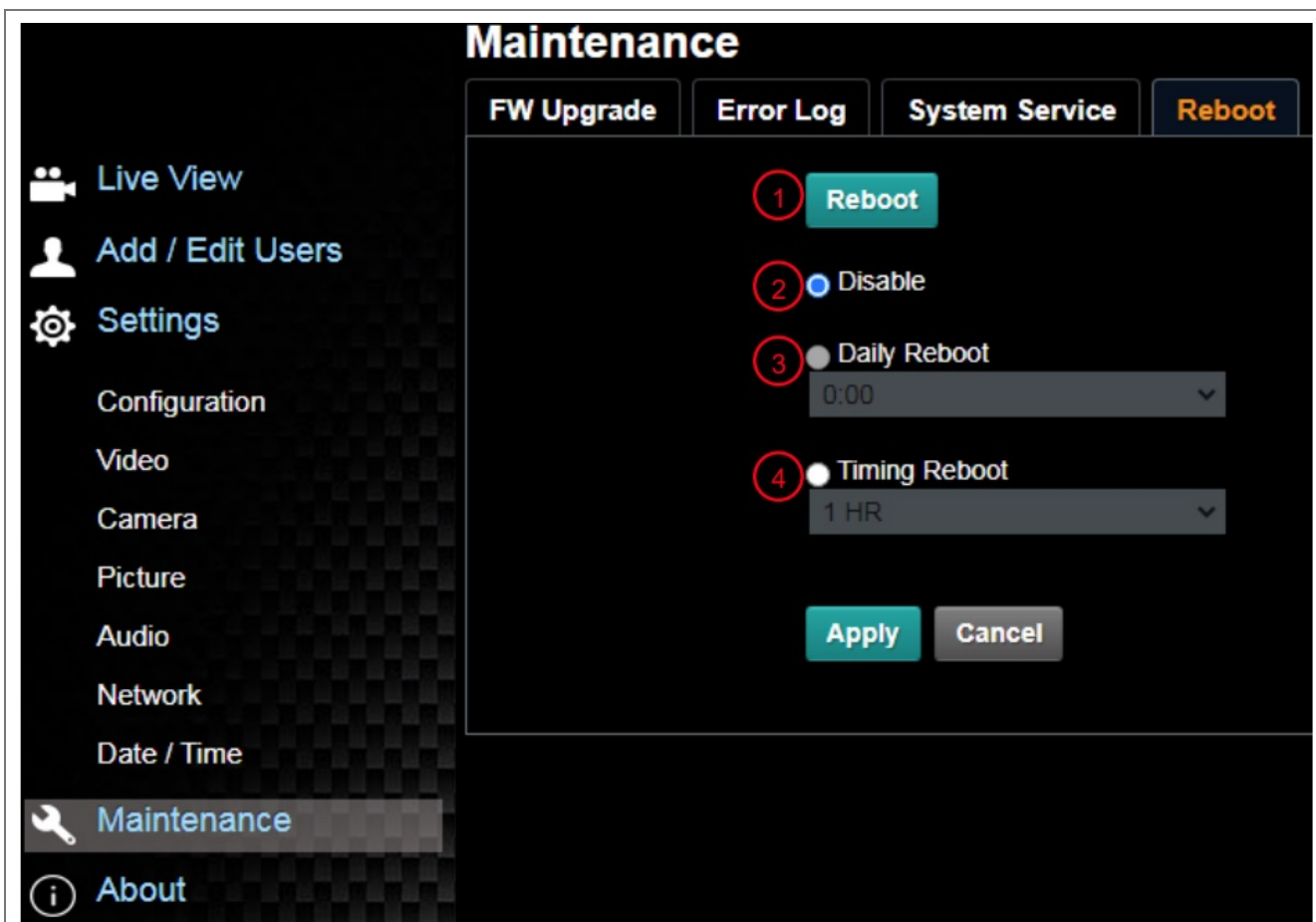
No	Item	Function Descriptions
1	802.1x Setting	<p>Enable/ disable 802.1x protocol, and configure settings when enabled</p> <p>&lt;Remark&gt; The router must support 802.1x protocol to enable this feature</p>

#### 14. Setting-Maintenance – System Service



No	Item	Function Descriptions
1	Reset to the default value	Select the reset button to resume the factory default setting as the web page setting
2	Setting File	The web page setting parameters can be exported from the computer and imported/applied to another camera
3	Communication protocol related settings	Communication protocol related settings for the use of connecting RS-232/ RS-422 communication

#### 15. Setting-Maintenance – Reboot



No	Item	Function Descriptions
1	Reboot	Reboot immediately
2	Disable	Disable the reboot settings
3	Daily Reboot	Set the daily reboot time  <Remark> Please go to Setting – Time to complete the SNTP server synchronization to set daily reboot
4	Timing Reboot	Set the timing reboot time

## 16. About



No	Item	Function Descriptions
1	Camera ID	Display the camera name
2	Firmware Version	Display the firmware version of the camera
3	Detail Information	Display firmware version-related information
4	Serial Number	Display the camera serial No.
5	Uptime	Displaying the running time of the camera (the timing of standby continues; the time will be reset when the camera is rebooted or turned off)

## Troubleshooting

This chapter describes problems you may encounter while using VC-BC701P. If you have questions, please refer to related chapters and follow all the suggested solutions. If the problem still occurred, please contact your distributor or the service center.

No.	Problems	Solutions
1.	<b>Boot without power signal</b>	<ol style="list-style-type: none"> <li>1. Make sure you have plugged in the power cord.</li> <li>2. When using a PoE connection, ensure that the power supply supports IEEE 802.3af hubs</li> </ol>
2.	<b>There is no image output from VC-BC701P</b>	<ol style="list-style-type: none"> <li>1. Check the power supply or PoE supply functions.</li> <li>2. Confirm the output signals are in streaming output.</li> <li>3. If the camera is connected to a monitor, confirm the monitor equipment supports 4K output</li> <li>4. Replace the cables and make sure they are not faulty.</li> </ol>
3.	<b>VC-BC701P image is severely delayed</b>	Please use 4K, 1080p or 720p 60/50 Hz signals rather than 25/30 Hz signals.
4.	<b>RS-232 cannot be controlled</b>	<ol style="list-style-type: none"> <li>1. Confirm the connection is correct (RS-232 Input / Output)</li> <li>2. Please make sure the Baud rate setting is the same as the control equipment</li> </ol>
5.	<b>Whether the Internet can be used for operation</b>	Please refer to <b><u>Chapter 5 Network Function Description</u></b> for the Internet usage
6	<b>The ONVIF software cannot find the machine</b>	<p>Please go to <b><i>Setting – Video – Camera Location</i></b> in the webpage and make sure that the ID is only made up of English letters or numbers. The ONVIF software cannot find the machine if you use special characters and space.</p>
7	<b>Tally light is not working when applying RS232 setting</b>	Please go to <b><i>Setting – Camera – Tally Light</i></b> in the webpage to check if the function is on.

#### Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

- **Manufacturer:** Lumens Digital Optics Inc.
- **Product Name:** VC-BC701P
- **Model Number:** UHD Box Camera

#### Responsible Party – U.S. Contact Information


- **Supplier:** Lumens Integration, Inc. 4116 Clipper Court, Fremont, CA 94538, United States
- **e-mail:** [support@mylumens.com](mailto:support@mylumens.com)

#### FCC Compliance Statement

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.

Documents / Resources

	<p><a href="#">Lumens VC-BC701P 4K UHD Box Camera</a> [pdf] User Manual</p> <p>VCAX105, VC-BC701P, VC-BC701P 4K UHD Box Camera, 4K UHD Box Camera, UHD Box Camera, Box Camera, Camera</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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