# VC-BC601P HD Camera (FHD Box Camera)

**User Manual - English** 



# [Important]

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# **Chapter 1 Safety Instructions**

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

#### 1 Operation

- 1.1 Please use the product in the recommended operating environment.
- 1.2 Do not place the product in tilted position.
- 1.3 Do not place the product on an unstable trolley, stand or table.
- 1.4 Do not use the product near water or source of heat.
- 1.5 Use attachments only as recommended.
- 1.6 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.
- 1.7 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.
- 1.8 Do not overload wall sockets, extension cords or multi-way plug boards to avoid potential risks.
- 1.9 Do not block the slots and openings in the case of the product. They provide ventilation and prevent the product from overheating.
- 1.10 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.
- 1.11 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 Never push objects of any kind through cabinet slots. Never allow liquid of any kind to spill into the product.
- 3.3 Unplug this product during thunderstorms or if it is not going to be used for an extended period.
- 3.4 Do not place this product or accessories on top of vibrating equipment or heated objects.

#### 4 Cleaning

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

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

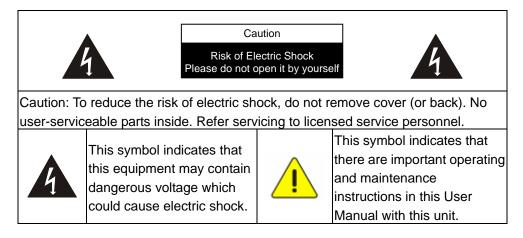
5.1 Using an incorrect battery type in the remote control may result in breakdown. Follow local instructions on how to dispose of used batteries.

#### 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.





#### ■ FCC Warning

This HD Camera has been tested and found to comply with the limits for a Class A digital device, pursuant to Article 15-J of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

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 Radiation) Warning

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

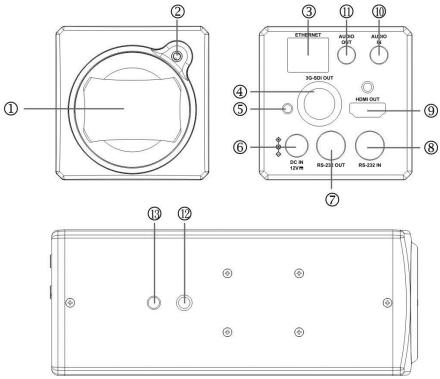


# **Chapter 2 Package Contents**

VC-BC601P	Power Cord	Power Adapter
Lumens. market 1.00	Appearance may vary depending on country/region	
Instruction for installation		
Quick Installation Guide		



# 3.1I/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	Notwork nort	Network port, support routers or hubs (IEEE 802.3 af) with PoE power	
3	Network port	supply support	
4	3G-SDI output	The factory setting for the output resolution is 1080P/60	
5	Power indicator	After newer is on the indirector light will display in red	
5	light	After power is on, the indicator light will display in red	
6	DC 12 V power	AC power supply copposing part	
0	connector	AC power supply connecting port	
7	RS232 output	RS232 output port, at most 7 cameras can be connected in a serial	
1	K3232 001put	connection	
8	RS232 input	RS232 input port, at most 7 cameras can be connected in a serial	
0	K3232 input	connection	
9	HDMI output	HDMI output	
10	Audio input	Support Line In/Mic In	
11	Audio output	Support 3.5 mm audio input	
12	Tripod corow beloc	The camera is mounted on a (specification) 1/4", 20 UNC tripod deck or	
12	Tripod screw holes	installed on VC-WM11 (optional)	
13	Fiducial hole	Ø5; depth 2mm	



## **3.2Tally Indicator Light Function Description**

**3.2.1** The tally indicator light function may be enabled through the control of VISCA command. The setting method is as follows

Tally Mode: 8x 01 7E 01 0A 01 0p FF

p = 0: OFF

p = 4: On (half-brightness)

p = 5: On (full-brightness)



# **Chapter 4 Instruction for installation**

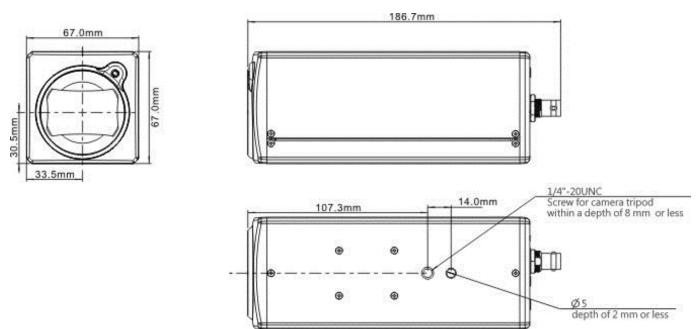
### 4.1 Basic Devices

**4.1.1** VC-BC601P size

: 186.71 x 67.0 x 67.0 mm

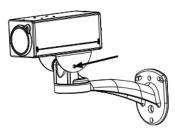
Weight : 1 Kg

Length x Width x Height



### 4.1.2 Installation method

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



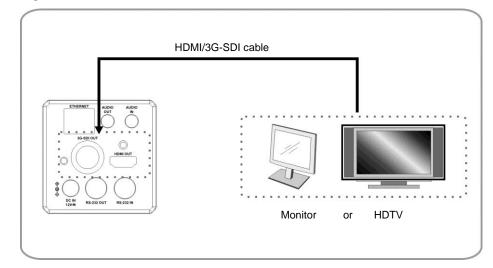
4.1.2.2 Tripod: The camera is mounted on a 1/4", 20 UNC PTZ tripod deck



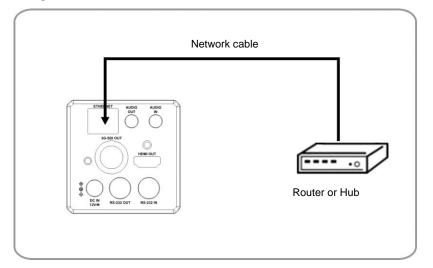


# 4.2Connecting devices

4.2.1 Using HDMI/3G-SDI connect to the screen

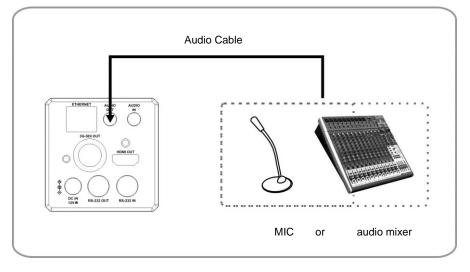


#### 4.2.2 Connecting to Internet





# 4.2.3 Connecting AUDIO IN

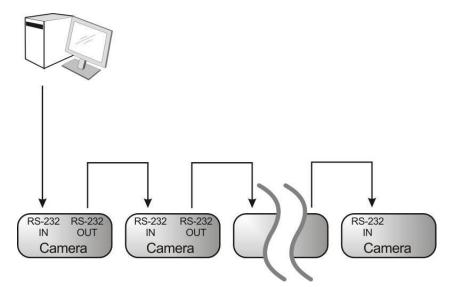




### **4.2.4** Connecting RS-232

■ RS-232 serial connection

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

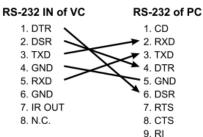


RS-232 pin definition description

#### ▼ RS-232 IN Pins Instructions

	NO	Pins	Signals
$\frown$	1	DTR	Data Transmission Reade
876	2	DSR	Data Set Reade
(543)	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 OUT Pins Instructions

NO	Pins	Signals
NO	FILIS	•
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 IN **RS-232 OUT** of Last Camera of Next Camera 1. DTR ➤ 1. DTR ▶ 2. DSR 2. DSR 3. TXD 🕶 3. TXD ► 4. GND 4. GND 🌥 5. RXD 5. RXD 6. GND 6. GND 7. OPEN 7. IR OUT

8. N.C.

8. OPEN



# **Chapter 5 Network Function Settings Description**

### **5.1Web System Requirements**

#### 5.1.1 Web Browser:

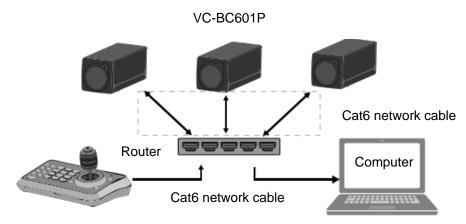
- Internet Explorer 11 or above
- FireFox 66.0.3 or above
- Chrome 73 or above
- Edge 42.17134 or above
- Safari 12.1 or above

### **5.2Connecting Camera to Network**

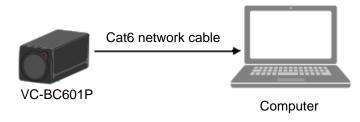
#### 5.2.1 Connecting to Internet

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 VC-BC601P 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
  - Connection diagram





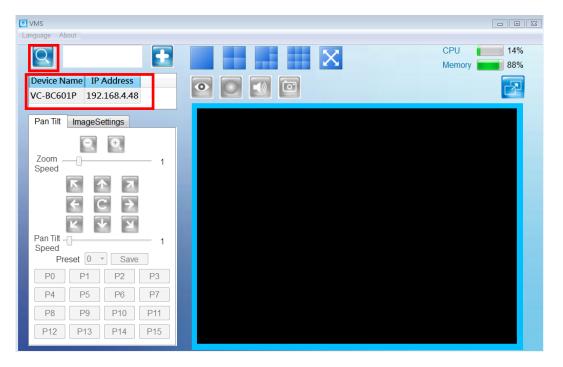
• Change network settings

	erties 🧧
eneral	
You can get IP settings assigned aut this capability. Otherwise, you need to the appropriate IP settings.	
O <u>O</u> btain an IP address automatic	ally
<ul> <li><u>Obtain an IP address automatic</u></li> <li>Use the following IP address:</li> </ul>	ally
	ally
Use the following IP address:	

#### 5.2.2 Using Lumens VMS Software to View the Images

- The VC-BC601P DHCP initial setting is ON. If VC-BC601P 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, <u>http://www.mylumens.com/support</u>)
  - Open LUMENS VMS software
  - Search for the camera: Press [automatically search for the device] button to locate the VC-BC601P camera
  - Click VC-BC601P in the list and start operation after connecting to network

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





#### 5.2.3 Using the Browser to View the Images

- Open the browser, and enter the URL of VC-BC601P in the IP address bar e.g.: <u>http://192.168.100.100</u> (default IP address)
- Enter administrator's account and password
   \*For the first login, please refer to <u>5.3.3 User Management Modify</u> the default password Account: admin (Default)

Password: 9999 (Default)



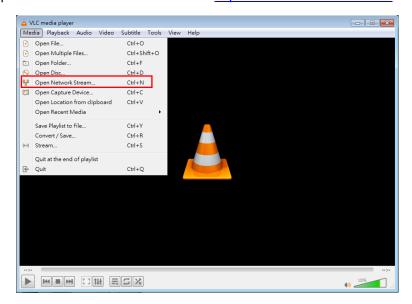
#### 5.2.4 Using RTSP Player to View the Images

In addition to the browser and VMS, other free softwares also can be used for RTSP connection, such as

VLC, Quick Time and PotPlayer

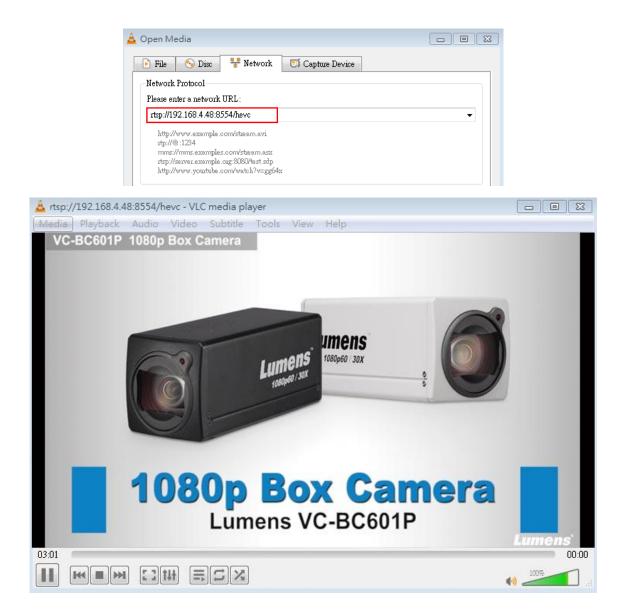
RTSP connection address formats are as follows:

- RTSP Main Streaming (1080P@H.265) => rtsp://camera IP:8554/hevc
- RTSP Sub1 Streaming (1080P@H.264) => rtsp://<u>camera IP</u>:8557/<u>h264</u>
- RTSP Sub2 Streaming (720P@H.264) => rtsp://<u>camera IP</u>:8556/<u>h264</u>



Example: Open VLC software and enter URL: rtsp://192.168.4.48:8557/h264







# **5.3Web Page Function Description**

# 5.3.1 Login Screen

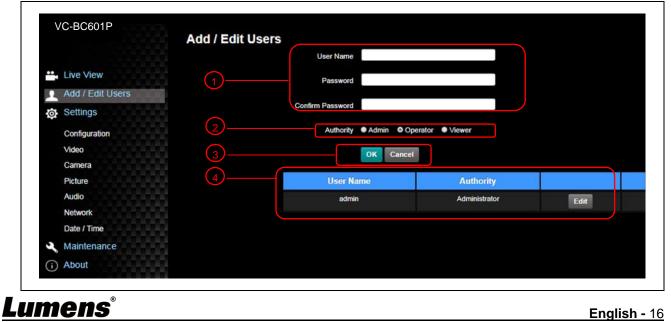
		User Name Password Password A Remember Password 5 Login
No	ltem	Function Descriptions
1	Username	Enter user account (default: admin)
1 2	Username Password	Enter user account (default: admin) Enter user password (default: 9999)
2	Password	Enter user password (default: 9999) Currently, the system supports English, Traditional Chinese and Simplified Chinese *For the first login, please refer to <u>5.3.3 User Management Modify</u> the



#### **Viewing In Real Time** 5.3.2

A A CC VI CC VI CC PPI A I N CC CC CC CC CC CC CC CC CC CC CC CC C	C-BC601P Live V vve View dd / Edit Users ettings onfiguration ideo amera icture udio etwork ate / Time laintenance bout	Image: Serve Load
No	Item	Function Descriptions
	Dreast satting	$\Box$ Calcat the number first and then calcat $CAV/\Gamma$ and $OAD$
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
2 3	Zoom ratio Preview window	Adjust the zoom-in or zoom-out ratio via scroll bar Display the screen currently captured by the camera
2	Zoom ratio	Adjust the zoom-in or zoom-out ratio via scroll bar

#### **Account Management** 5.3.3



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No	ltem	Function Descriptions				
1	Add user account	Enter a user name and password to add a new user				
		Set the new account man	nagement pe	ermissions		
	Permission setting	User Type	Admin	Operator	Viewer	
2		View images	Y	Y	Y	
		Settings	Y	Y	N	
		Account management	Y	N	N	
3	Applying setting	Add the newly created user to the list of accounts				
4	List of accounts	Edit: Modify the user password and permissions Delete: Delete the user account				

# 5.3.4 Setting - System Setting

VC-E	3C601P	Configuration
1 Ad @ Se	Againtion	Resolution         1000p-09-94           1000p-09-94         •           1000p-09-94         •           1000p-09-94         •           1000p-09-94         •           1000p-09-94         •           1000p-09-94         •           720p-09-97         720p-09-97           720p-09-97         720p-09-97
Pic Au Net Dat	do work e / Time intenanco	
No	ltem	Function Descriptions
1	Resolution	Set the resolution of the camera, resolutions supported by the camera are as follows: > <u>1080p/59.94</u> > 1080p/50 > 1080p/29.97 > 1080p/25 > 720p/59.94 > 720p/50 > 720p/29.97 > 720p/25 After switching the resolution, the camera will restart. If there are no images on the website, please refresh the browser
2	Apply	After the setting has been modified, select this button to apply the setting



### 5.3.5 Setting - Video

	C-BC601P	Vision				
		Camera ID C-BC701P				
••	Live View					
	Add / Edit Users					
	Settings	Stream 1 Stream 2 Stream 3				
-Q.		Codec H.264				
	Configuration					
	Camera	Resolution 1080P V				
	Picture	Frame Rate 59.94 <b>T</b> fps				
	Audio	Bit Rate 7500 kbps				
	Network Date / Time	Rate Control CBR V				
3	Maintenance	IP Ratio 30 V				
	) About	Force   Frame				
		Apply Cancel				
No	ltem	Function Descriptions				
		Modify the camera name				
1	Camera name	Camera names are limited to 1 - 12 characters				
	Cambra name	Please use a camera name by mixing uppercase and lowercase				
		letters or numbers. Do not use "/" and "space" or special symbols				
		Modify the location of the camera, such as Meeting Room 1				
2	Camera Location	<ul> <li>Camera location is limited to 1 - 12 characters</li> <li>Blosse use a compare location by mixing uppercess and lowercose</li> </ul>				
		Please use a camera location by mixing uppercase and lowercase letters or numbers. Do not use "/" and "space" or special symbols				
	Streaming 1/Streaming	VC-BC601P supports 3 streaming outputs. Please refer to 5.3.5.1				
3	2/Streaming 3	Streaming Parameter Setting for relevant settings				
4	Enable Streaming	Confirm whether or not the streaming function is opened				
5	Force   Frame	Check this item to insert IDR frame into specified series flow and apply				
5	FUICE I FIAME	its setting. User's setting will be reserved and displayed in GUI interface				

#### 5.3.5.1 Streaming parameter setting

Fund	ction	Streaming 1	Streaming 2	Streaming 3	
Encode	Format	H.265	H.264		
Resolution		1080P/720P		640 x 360	
Frame Rate		Setting	Setting according to the supported resolution		
	Range	2,000 ~ 20,000	2,000 ~ 20,000	512 ~ 5,000	
Bit Rate (kbps)	Factory Default	7,000	7,000	1,000	
Rate Control		CBR/VBR			
IP Ratio		Setting	according to the supporte	d resolution	



## 5.3.6 Setting - Camera

re View Id / Edit Users Ittings Infiguration Ieo Imera Iture Iture Idio Iture	<complex-block></complex-block>
Item	Function Descriptions
Zoom ratio	Adjust the zoom-in or zoom-out ratio via scroll bar
Exposure	<ul> <li>Exposure White Balance Focus Mirror</li> <li>Mode Full Auto Fluit Auto Fis F3.2</li> <li>Exposure Comp. Level - + O</li> <li>Gain OdB Shutter Speed 1/60</li> <li>Mode: Select exposure mode (Automatic/Shutter Priority/Aperture Priority/Manual)</li> <li>Exposure Comp. Level: Select exposure compensation level</li> <li>Gain: The gain limit is adjustable when the exposure mode is set to "Manual"</li> <li>Iris: The size of aperture is adjustable when the exposure mode is set to "Manual"</li> <li>WDR: Set the level of wide dynamic range (WDR) in order to obtain better images</li> <li>Shutter Speed: The shutter speed is adjustable when the exposure mode is set to "Manual" or "Shutter Priority"</li> </ul>
White Balance	Exposure White Balance Focus Mirror Mode ATW One Push Trigger Manual Red - + 64 Manual Blue - + + + + + + + + + + + + + + + + + +
	Zoom ratio Exposure White

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		≻ATW		
		≻Manual		
		≻Sodium Lamp		
		<ul> <li>Open Push WB: One push color temperature is adjustable when the white balance mode is set to "One Push WB"</li> </ul>		
		Manual Red/Blue: Manually adjust blue/red color temperature		
4	Focus	<ul> <li>Exposure White Balance Focus Mirror</li> <li>Mode Auto </li> <li>Focus Range </li> <li>Focus Range </li> <li>Middle </li> <li>AF Sensitivity Middle </li> <li>AF Frame Auto </li> <li>Mode: Select manual/automatic focus</li> <li>Focus Range: The focusing range is adjustable when the focus mode is set to "Manual"</li> <li>AF Sensitivity: Set automatic focus sensitivity</li> <li>AF Frame: Set automatic focus range</li> </ul>		
5	MIRROR	White Balance Focus Mirror     Mirror Off      Mirror: Set the mode at which the image is mirror and flipped     Off     Mirror     Flip     Mirror + Flip		



## 5.3.7 Setting - Picture

	VC-BC601	P Picture 1 Picture Effect Off •
	Live View	2 2D NR 1 *
	Add / Edit	
	Configuration	Image Mode Default
	Video	5 Image Mode Load Default
	Camera Picture	6 Gamma
	Audio	
	Network Date / Time	7 Brightness 7
	🔍 Maintenan	ce 8 Hue 7
	(i) About	9 Saturation 7
		10 Sharpness 7 v
No	ltem	Function Descriptions
1	Picture Effect	Set picture effect, Off/Film/Black and White
2	2D NR settings	2D noise reduction settings, selecting from Off/1/2/3
3	3D NR settings	3D noise reduction settings, selecting from Off/Low/Typ/Max
4	Image mode	By selecting Default/Custom, 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	Hue*	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

\*The setting is enabled only when the image mode is set to Custom



### 5.3.8 Setting - Audio

	VC-BC601P Live View Add / Edit User Add / Edit User Settings Configuration Video Camera Picture Audio Network Date / Time Maintenance () About	Audio   Audio In Type   Audio Volume   Audio Sample Rate     Apply     Cancel
No	Item	Function Descriptions
1	Audio Enable	Turn on/off sound
2	Audio In Type	Set MIC In/Line In
3	Audio Volume	Adjust Volume
4	Encode sample rate	Set Encode sample rate         > 48 KHz (AAC)         > 44.1 KHz (AAC)         > 16 KHz (G.711)         > 8 KHz (G.711)



### 5.3.9 Setting - Network

VC-E	3C601P	Network	
Con Void Car Pict Aux Net Dat	d / Edit Users ttings mfguration eo mera ture dio twork te / Time aintenance	DHCP       On       •         IPv4 Address       192388.4.47         IPv4 Netmask       255285.255.0         IPv6 Address       200000.000         IPv6 Netmask       200000.000         Gateway       192388.1.251         DNS       192388.1.251         DNS       192388.1.251         MAC Address       20000.000         Apply       192388.1.251         MAC Address       2002.2001.81.73         Apply       192488.1.251         MAC Address       2002.2001.81.73         Apply       192488.1.251         MAC Address       2002.2001.81.73         Address       2002.2001.81.73         Apply       192488.1.251         MAC Address       200000.0000.000         Audio encoder type : H.2640g/00000.005.         Audio encoder type : None       Resolution format: (1000% (59.94))         Churk size : H12       RTMP URL         RTMP URL       1000000000000000000000000000000000000	3   RTSP   • Enable Multicast   4   MPEG-TS   • Enable MPEG-TS   MPEG-TS IP   • Enable SRT Streaming   Destination IP   • Enable SRT Streaming   Destination IP   • Port ()   Latency   120   ms   Encryption   None   • SNTP   SNTP   SNTP   SNTP Server   pool ntip.ofg   7   Port (3)   HTTP Port (3)   HTTP Port (3)   HTTP Port (3)
No	Item	Function Desc	riptions
1	Network	Network setting of camera. Change of setting function is closed.	g is available only when DHCP
2	RTMP Setting	Copy the RTMP web address provided by the to the RTMP connection address to publish the service platform To upload to YouTube for live streaming, the	he camera images on the RTMP
3	RTSP Setting	Enable/Disable Multicast. It is suggested to e users online watching the live image simultar	
		, , , , , , , , , , , , , , , , , , ,	



5	SRT Setting	SRT <ul> <li>Enable SRT Streaming</li> <li>Destination IP</li> <li>Port 0</li> <li>Latency</li> <li>120</li> <li>ms</li> <li>Encryption</li> <li>None</li> <li>Passphrase</li> <li>Connect Status : SRT Disable</li> </ul> <li>1. Set the field of SRT and then check the item to open STR 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> <li>The following port has been used by the camera. Setting of the port may not connect correctly         <ul> <li>8554, 8556, 8557, 8080,9090,1935</li> <li>Delay time is for 20 to 8000 microseconds. The default value is 120 microseconds</li> </ul> </li>
6	SNTP Setting	Set SNTP Server IP
7	Port Setting	Set HTTP and HTTPS ports. The default values are Port 80 and Port 81 respectively <remark> Change of setting is available only when DHCP function of camera is closed</remark>

# 5.3.10 Setting - Time

V	C-BC601P	Date / Time
		Time in Camera Date 2019/08/01 Time 09:16:31
**	Live View	Set Time Set Manually
2	Add / Edit Users Settings	Date 2019/8/1 Time 17 • Hr : 16 • Min : 22 • Sec
Ĩ	Configuration Video Camera Picture Audio Network	Synchronize with Computer Time Date 2019/8/1 Time 17:16:29      Synchronize with SNTP Server SNTP Server pool ntp.org Time Zone GMT+08 Taipel, Beijing, Chong
	Date / Time Maintenance About	Automatically Adjust for Daylight Saving Time           Apply         Cancel
No	Item	Function Descriptions
1 (	Camera Time	Display the date and time of the camera
2	Set the Time	<ul> <li>Manual Configuration: Set time manually</li> <li>Synchronize with computer time: Set the camera time according to the computer time</li> <li>Synchronize with SNTP server: Set the camera time synchronously with th SNTP server</li> </ul>

	VC-BC601P	Maintenance
		FW Upgrade Error Log System Service
	Live View	
	Add / Edit Users	
	Settings	Choose File No file chosen Upgrade
	Configuration	
	Video	
	Camera	
	Picture	
	Audio	
	Network	
	Date / Time	
	🔍 Maintenance	
	(i) About	
No	Item	Function Descriptions
		The camera firmware may be upgraded via web page. For the up
1	Firmware Update	method, please download the FW upgrade manual from Lumens of
		website

# 5.3.11 Setting - Maintenance - Upgrading Firmware

## 5.3.12 Setting - Maintenance - Error Log

	VC-BC601P	Maintenance
		FW Upgrade Error Log System Service
	Live View	Error Log as as as as as as as as
	Add / Edit Users	
	Settings	
	Configuration	Clean
	Video	
	Camera	
	Picture	
	Audio	
	Network	
	Date / Time	
	🔍 Maintenance	
	(i) About	
No	Item	Function Descriptions
1	Error Logs	If the camera encounters errors, an error code log will be established



## 5.3.13 Setting - Maintenance - System Service

	V VC-BC601P	Maintenance FW Upgrade Error Log System Service
	Add / Edit Users  Settings  Configuration  Video Camera  Picture Audio Network Date / Time  Maintenance	Factory Reset  Factory Reset Factory Reset Factory Reset Factory Reset Factory Reset Factory Reset  Factory Reset Factory Reset  Factory Reset  Factory Reset  Factory Rese
	(i) About	
No	ltem	Function Descriptions
1	Factory Reset	Select the reset button to resume the factory default setting as the web page setting
2	Setting Porfile	The web page setting parameters can be exported from the computer and imported/applied to another camera
3	Baud Rate	Set the camera Baud Rate for the use of connecting RS-232 communication

## 5.3.14 About

	C-BC601P Live View Add / Edit Users Settings Configuration Video Camera Picture Audio Network Date / Time Maintenance	About         1       camera ID       VC-BC701P         2       immware Version       VMR100_VMP101_VMS105_VMT108_VMW114_VMU104         3       Serial Number
No	Item	Function Descriptions
1	Camera ID	Display the camera name
2	Firmware Version	Display the firmware version of the camera
3	Serial No.	Display the camera serial No.



# **Chapter 6 Troubleshooting**

This chapter describes problems you may encounter while using VC-BC601P. 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.	Boot without power	1. Make sure you have plugged in the power cord.
	signal	2. When using a PoE connection, ensure that the power supply supports
		IEEE 802.3af hubs
2.	There is no image	1. Check the power supply or PoE supply functions.
	output from VC-BC601P	2. Make sure the display supports the output resolution; in general, the
		resolution is 1080p60/720p60.
		3. Replace the cables and make sure they are not faulty.
3.	RS-232 cannot be	1. Confirm the connection is correct (RS-232 Input/Output)
	controlled	2. Please make sure the Baud rate setting is the same as the control
		equipment

