VC-BC701P Ultra HD Camera (4K UHD 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 this 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 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

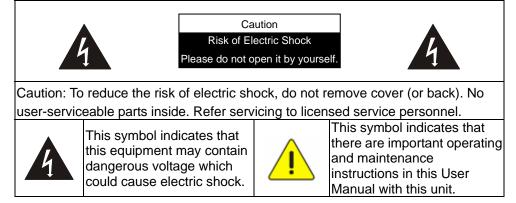
- 4.1 Unplug all the cables before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.
- 5 Remote control (if the accessories are equipped with remote control)
 - 5.1 Using an incorrect battery type in the remote control may result in breakdown. Follow local instructions on 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 computer device, pursuant to Article 15-J of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential 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.



VC-BC701P	Power Cord	Power Adapter
Lunens: audi au	Appearance may vary depending on country/region	
Instruction for installation		
Quick Installation Guide		



Chapter 3 Function Introduction

3.1 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)

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3.2 Tally Indicator Light Function Description

3.2.1 The tally indicator light function may be enabled through the control of RS232 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

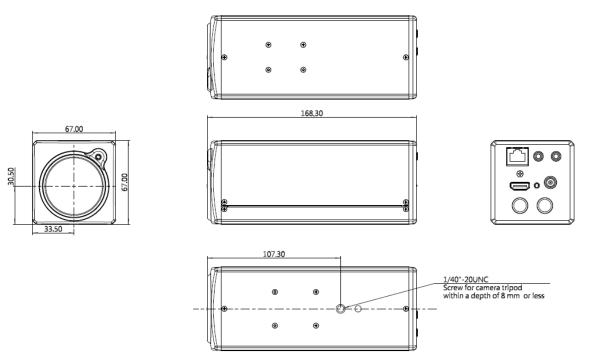
4.1 Basic Devices

4.1.1 VC-BC701P size

Length x Width x Height : 168.3 x 67.0 x 67.0 mm

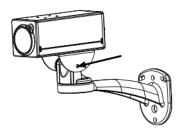
Weight

: 0.5 Kg



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



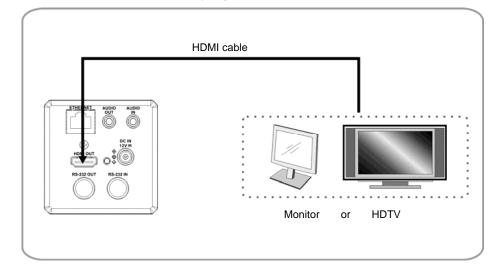
4.1.2.2 Tripod: The camera is mounted on a 1/4", 20 UNC PTZ tripod deck



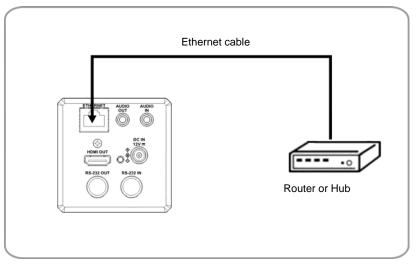


4.2 Connecting devices

4.2.1 HDMI connection to TV/display screen

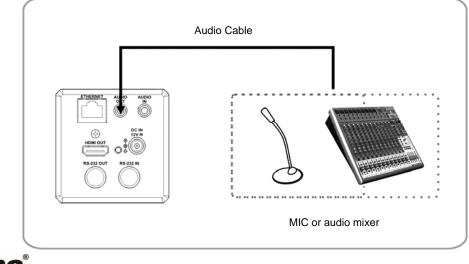


4.2.2 Connecting to Internet



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

4.2.3 Connecting AUDIO IN

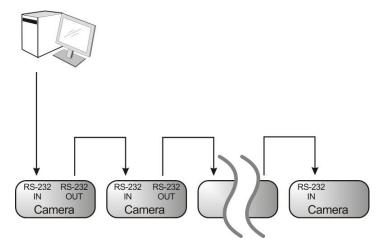




4.2.4 Connecting RS-232

RS-232 serial connection

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

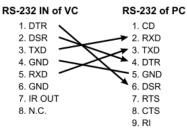


RS-232 pin definition description

RS-232 IN Pins Instructions

	NO	Pins	Signals
\frown	1	DTR	Data Transmission Reade
876	2	DSR	Data Set Reade
(5 43)	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

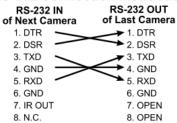
RS-232 Connection Instructions



▼ RS-232 OUT Pins Instructions

	NO	Pins	Signals
\frown	1	DTR	Data Transmission Reade
876	2	DSR	Data Set Reade
(5 43)	3	TXD	Transmit Data
	4	GND	Ground
	5	RXD	Receive Data
	6	GND	Ground
	7	OPEN	Reserved
	8	OPEN	Reserved

RS-232 Connection Instructions



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Chapter 5 Network Function Settings Description

5.1 Web System Requirements

5.1.1 Web Browser:

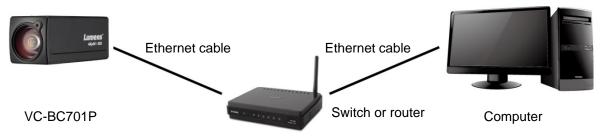
- Internet Explorer 11 or above
- FireFox 66.0.3 or above
- Chrome 73 or above
- Edge 42.17134 or above
- Safari 12.1 or above

5.2 Connecting Camera to Network

5.2.1 Connecting to Internet

Two common connection methods are shown below

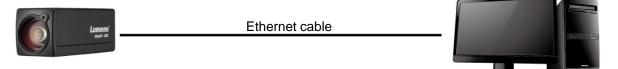
1. Connecting via switch or router



2. 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

Connection diagram



VC-BC701P

Computer



• Change network settings

ernet Protocol (TCP/IP) Prop	ernes	1
neral		
ou can get IP settings assigned auto is capability. Otherwise, you need to e appropriate IP settings.		
○ Obtain an IP address automatica	ally	
 Obtain an IP address automatic Use the following IP address: 	ally	
~ _	ally	
⊙ □		

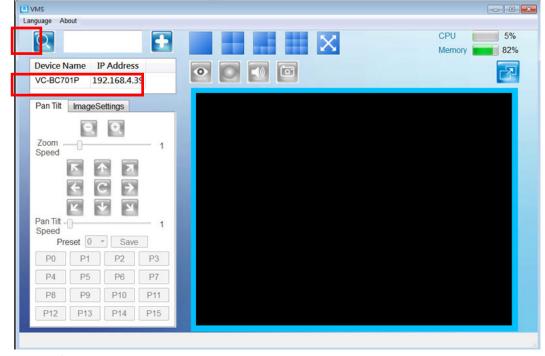
5.2.2 Using Lumens VMS Software to View the Images

- 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, <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-BC701P camera

■ Click VC-BC701P 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-BC701P in the IP address bar e.g.: <u>http://192.168.100.100</u> (default IP address)
- Enter administrator's account and password Account: admin (Default)

Password: 9999 (Default)



5.2.4 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 Main Streaming => rtsp://<u>camera IP</u>:8554/<u>hevc</u>
- RTSP Sub1 Streaming => rtsp://camera IP:8557/h264
- RTSP Sub2 Streaming => rtsp://camera IP:8556/h264

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

	-Network Protocol	_
	Please enter a network URL :	
Ĺ	rtsp://192.168.100.150:8557/h264	



5.3 Web Page Function Description

5.3.1 Login Screen

	User Name Password Password English A Remember Password Login					
No	Item	Function Descriptions				
1	Username	Enter user account name (default: admin)				
2	Password	Enter user password (default: 9999)				
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 log in next time, there is no need to re-enter them				
5	Login	Log into the administrator screen on the website				

5.3.2 Viewing In Real Time

	VC-BC701P ▲ Add / Edit Users Settings Configuration Video Camera Picture Audio Network Date / Time ▲ Maintenance ③ About	Live View
	Item	Function Descriptions
No		



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

5.3.3 Account Management

V	C-BC701P	Add / Edit U		er Name			
	Live View Add / Edit Users	1	Pa	assword			
⊥ ¢	Settings		Confirm Pa	assword			
	Configuration	2	A	Authority Oddmin Oope	rator Viewer		
	Video	3—		OK Cancel			
	Camera Picture			User Name	Authority		
	Audio	4		admin	Administrator	Edit	
	Network Date / Time						
i	About						
No	Item				ion Descriptions		
		Ente	er a user na		ion Descriptions ord to add a new u	ser	
No	Item			me and passw	•	ser	
No	Item	Set		me and passw	ord to add a new u	ser Viewer	
No 1	Item Add user account	Set Us Vie	the new acc	me and passwo	ord to add a new u		
No	Item	Set Us Vie	the new acc er Type	me and passwo count managen Admin	ord to add a new u nent permissions Operator	Viewer	
No 1	Item Add user account	Set Us Vie Se Ac	the new acc er Type ew images	me and passwo count managen Admin Y	ord to add a new u nent permissions Operator Y	Viewer Y	
No 1 2	Item Add user account Permission setting	Set Us Vie Se Ac ma	the new acc er Type ew images ttings count inagement	me and passwo count managen Admin Y Y Y	ord to add a new u nent permissions Operator Y Y N	Viewer Y N	
No 1	Item Add user account	Set Us Vie Se Ac ma	the new acc er Type ew images ttings count inagement the newly c	me and passwo count managen Admin Y Y Y created user to	ord to add a new u nent permissions Operator Y Y	Viewer Y N	



5.3.4 Setting-System Setting

	Setting-System a	<u> </u>		
	 VC-BC701P Live Vlew ▲ Add / Edit Users ♦ Settings Configuration Video Camera Picture Audio Network Date / Time ▲ Maintenance (i) About 	Configuration 1 Resolution 3840x2160 2 Output Source HDMI 3 HDMI YUV YUV420 Apply Cancel	/50p • • •	
No	Item		Function Descriptions	
1	Resolution	as follows: 3840x2160P 59.94/5 1080P 59.94/50/29.9 720P 59.94/50/29.97 After switching to the browser According to the outp streaming output, or	7/25 fps /25 fps resolution, the camera will restart. ut resolution, selections are availab HDMI + streaming output. For output	Please refresh the le for HDMI output, ut signals
		Resolution	t resolution, please refer to the follo Available output modes	owing lable:
		3840x2160/59.94p	HDMI or streaming single output	
		3840x2160/50p	HDMI or streaming single output	
		3840x2160/29.97p		
		3840x2160/25p		
2	Output signal	1080p/59.94		
		1080p/50		
		1080p/29.97	Simultaneous HDMI and	
		1080p/25	streaming outputs	
		720p/59.94		
		720p/50		
		720p/29.97		
		720p/25		
3	HDMI YUV	resolutions, 3840x2 display mode for all	•	ind remains in
4	Apply	After the setting has setting	been modified, select this button	to apply the



5.3.5 Setting-Video

V	C-BC701P	Video 1 camera ID VC-BC701P				
••	Live View	2 ocation 4 5454				
2	Add / Edit Users	3 Stream 1 Stream 2 Stream 3				
Ó	Settings	Enable Stream2				
	Configuration	Codec H.264 V				
	Video	Resolution 1080P V				
	Camera	Frame Rate 59.94 t fps				
	Picture	Bit Rate 7500 kbps				
	Network					
	Date / Time	Rate Control CBR V				
ચ	Maintenance	IP Ratio 30 T				
í) About	Force Frame				
		Apply Cancel				
No	Item	Function Descriptions				
		Modify the camera name				
1	Comoro nomo	Camera names are limited to 1-12 characters				
1	Camera name	Please use a camera name by mixing uppercase and lowercase letters and numbers. Do not use "/" and "space" or special symbols				
		Modify the location of the camera, such as Meeting Room 1				
_		 Camera locations are limited to 1-12 characters 				
2	Camera location	Please use a camera name by mixing uppercase and lowercase letters and numbers. Do not use "/" and "space" or special symbols				
		VC-BC701P supports 3 streaming outputs. Please refer to <u>5.3.5.1</u> <u>Streaming Parameter Setting</u> for relevant settings				
3	Streaming 1 / Streaming 2 / Streaming 3					
3	Streaming 2 /					

	Streaming 1 Streaming 2		Streaming 3		
mat	H.265	H.264			
n	4K /1080P / 720P	P 1080P / 720P 640x			
e	Setting according to the supported resolution				
Range	2,000~20,000 2 · 000~20,000		512~5,000		
Factory default	15,000	7,500	1,000		
ol	CBR / VBR				
	Setting according to the supported resolution				
r	Range Factory default	n 4K /1080P / 720P e Setting a Range 2,000~20,000 Factory 15,000 ol	n 4K /1080P / 720P 1080P / 720P e Setting according to the supported r Range 2,000~20,000 2 , 000~20,000 Factory default 15,000 7 , 500 ol CBR / VBR		

5.3.6 Setting-Camera

vc ≞ ¢	-BC701P Camera	
عر	Maintenance About Exposure Con	White Balance Focus Mirror Mode Full Auto r Ins F3.2 up Level - + 0 WDR Off Gain 0 dB r Shutter Speed 1/30 ancel Function Descriptions
1	Zoom ratio	Adjust the zoom-in or zoom-out ratio via scroll bar
2	Exposure	 Mode: Select exposure mode (Automatic/Shutter Priority/Aperture Priority/Manual) Exposure Comp. Level: Select exposure compensation level Gain: The gain limit is adjustable when the exposure mode is set to "Manual" Iris: The size of aperture is adjustable when the exposure mode is set to "Manual" or "Aperture Priority" WDR: Set the level of wide dynamic range (WDR) in order to obtain better images Shutter Speed: The shutter speed is adjustable when the exposure mode is set to "Manual" or "Shutter Priority"
3	White balance	 Mode: Select the color temperature mode Auto Indoor Outdoor One Push WB ATW Manual Sodium Lamp Open Push Trigger: One push color temperature is adjustable when the white balance mode is set to "One Push Trigger" Manual Red/Blue: Manually adjust blue/red color temperature
4	Focus	 Mode: Select manual/automatic focus Focus Range: The focusing range is adjustable when the focus mode is set to "Manual" AF Sensitivity: Set automatic focus sensitivity AF Frame: Set automatic focus range
5	MIRROR	 Mirror: Set automatic flip mode



5.3.7 Setting-Picture

	VC-BC701	Picture 1 Picture Effect Off • 2 2D NR 1 • Jsers 3 3D NR Typ •		
	Add / Edit U Settings Configuration Video Camera Picture Audio	2 2D NR 1 3 3D NR Typ 4 Image Mode Default 5 Image Mode Load Default 4		
	Add / Edit U Settings Configuration Video Camera Picture Audio	3 3D NR Typ 4 Image Mode Default 5 Image Mode Load Default		
	Settings Configuration Video Camera Picture Audio	(3) 3D NR Typ (4) Image Mode Default (5) Image Mode Load Default		
	Configuration Video Camera Picture Audio	4 Image Mode Default 5 Image Mode Load Default		
	Video Camera Picture Audio	5 Image Mode Load Default		
	Camera Picture Audio			
	Picture Audio			
	Audio	6 Gamma 3		
	Network	7 Brightness 7		
	Date / Time			
م Maintenano		Ce 8 Hue 7 V		
(i) About		9 Saturation 7 *		
		10 Sharpness 7 *		
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		
		Custom		



5.3.8 Setting-Audio

	VC-BC701P	Audio
		1 Audio Enable
	Live View	Audio In Type Line In
	Add / Edit Users	
	Settings	3 Audio Volume 6
	Configuration	Encode Sample Rate 48 KHz(AAC)
	Video	
	Camera	Apply Cancel
	Picture	
	Audio Network	
Date / Time		
🔍 Maintenance		
	(i) About	
No	Item	Function Descriptions
1	Open audio	Turn on / off sound
2	Soundtrack effect setting	Set MIC In / Line In
3	Audio Volume	Adjust Volume
		Set Encode sample rate
		> 48 KHz(AAC)
4	Encode sample rate	> 44.1 KHz(AAC)
		➢ 16 KHz(G.711)
		➢ 8 KHz(G.711)



5.3.9 Setting-Time

V	C-BC701P	Date / Time		
		1) Time in Camera Date 2019/08/01 Time 09:16:31		
** *	Live View	Set Time Set Manually		
▲ ø	Add / Edit Users	2 Date 2019/8/1 Time 17 • Hr : 16 • Min : 22 • Sec		
φ.	Configuration	Synchronize with Computer Time		
	Video	Date 2019/8/1 Time 17:16:29		
	Camera Picture	Synchronize with SNTP Server		
	Audio Network	SNTP Server pool.ntp.org		
	Date / Time	Time Zone GMT+08 Taipei, Beijing, Chong *		
Ľ	Maintenance	Automatically Adjust for Daylight Saving Time		
í	About	Apply Cancel		
No	Item	Function Descriptions		
1	Camera Time	Display the date and time of the camera		
2	Set the Time	 Set Manually: Set time manually Synchronize with computer time: Set the camera time according to the computer time Synchronize with SNTP server: Set the camera time synchronously with the SNTP server <remark> SNTP server address: Please change in network setting</remark> 		



5.3.10 Setting-Network

VC-BC70		Network					
1 Network							
🛀 Live View		DHCF	On •				
Add / Edit Users			3 RTSP				
Settings				Enable Multicast			
Configurat	ion	IPv4 Netmasi					
Video		IPv6 Address		4 MPEG-TS			
Camera		IPv6 Netmask	X00E X00E X00E X00E X00E	Enable MPEG-TS MPEG-TS IP Port 0			
Picture		Galeway	192.168.4.254				
Audio		DNS	192.168.1.211				
Date / Tim	e 000000000	MAC Address	dc:e2:ac:00:52:48	5 SNTP			
A Maintena	ance		Apply	SNTP Server pool.ntp.org			
(i) About							
	(2)	RTMP		6 Port Setting			
		Publish to Server		HTTP Port 80 HTTPS Port 81			
	1010000000	Video encoder type : H	1.264@7500Kbps				
		Audio encoder type : N					
		Resolution format : 10 Chunk size : 1412	sue(29.97)				
		RTMP Server Status :	RTMP disable				
		RTMP UR	L				
		Apply Cancel					
No	Item		Function Descriptions				
1	Network		Network setting of camera. Change of setting is available only when DHCP function is closed.				
2	2 RTMP Setting		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				
		To upload to YouTube for live streaming, the audio function must be turned on first					
3	RTSP Setting		Enable/Disable Multicast. It is suggested to enable Multicast when number of users online watching the live image simultaneously is n than 4				
			Set MPEG-TS format				
4 MPEG-TS Setting		<remark> The following port has been used by the camera. Setting of the port may not connect correctly</remark>					
		8554, 8556, 8557, 8080, 80, 81, 9090, 23					
			8554, 8556, 8557, 8080, 8	0, 81, 9090, 23			
5	SNTP Setting		8554, 8556, 8557, 8080, 8 Set SNTP Server IP	0, 81, 9090, 23			
5	SNTP Setting						



5.3.11 Setting-Maintenance-Upgrading Firmware

	VC-BC701P		laintenan	ce		
			FW Upgrade	Error Log	System Service	
	Live View					
	Add / Edit Users					
	Settings		Choose File	No file chosen	Upgrade	
1	Configuration					
	Video					
	Camera					
	Picture					
	Audio					
	Network Date / Time					
	A Maintenance					
	(i) About	1000000				
No	Item			Function	Descriptions	
1	Firmware Update	The camera firmware may be upgraded via web page. For the upgra method, please download the FW upgrade manual from Lumens website				

5.3.12 Setting-Maintenance-Incident Log

VC-	-BC701P	Maintenan	ce			
		FW Upgrade	Error Log	System Service		
 , L	ive View	Error Log 00 00				
.	Add / Edit Users					
ø 8	Settings		00 00 00 00 00 00 00 00 00			
C	Configuration	Cle	an			
V	/ideo					
Camera						
F	Picture					
μ	Audio					
	Network					
C	Date / Time					
<u>م</u> م	Maintenance					
(i) A	About					
٧o	Item			Function Descriptions		
1	Event Logs	If the ca	mera en	counters errors, an error code log will be established		



5.3.13 Setting-Maintenance-System Service

	Live View Add / Edit Users Settings Configuration //deo Camera Picture	Maintenance FW Upgrade Error Log System Service Factory Reset Reset Setting Profile Load Save Baud Rate 9600 Apply			
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	Baud Rate	e Set the camera Baud Rate for the use of connecting RS-232 communication			

5.3.14 About

V	C-BC701P	About
	Live View	1 Camera ID VC-BC701P
•	Add / Edit Users	2 Firmware Version VMR100_VMP101_VMS105_VMT108_VMW114_VMU104
ø	Settings	3 Serial Number
	Configuration Video	
	Camera	8
	Picture	
	Audio	8
	Network	8
	Date / Time	
ع	Maintenance	
(i)	About	
No	Item	Function Descriptions
1	Camera ID	Display the camera name
2	Firmware Version	Display the firmware version of the camera
3	Serial Number	Display the camera serial No.



Chapter 6 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.	Boot without power signal	 Make sure you have plugged in the power cord. When using a PoE connection, ensure that the power supply supports IEEE 802.3af hubs
2.	There is no image output from VC-BC701P	 Check the power supply or PoE supply functions. Confirm the output signals are in streaming output. If the camera is connected to a monitor, confirm the monitor equipment supports 4K output Replace the cables and make sure they are not faulty.
3.	VC-BC701P image is severely delayed	Please use 4K, 1080p or 720p 60/50 Hz signals rather than 25/30 Hz signals.
4.	RS-232 cannot be controlled	 Confirm the connection is correct (RS-232 Input / Output) 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 Description for the Internet usage

