CV630-IP HD/UHD camera (PTZ Video Camera)

User Manual - English

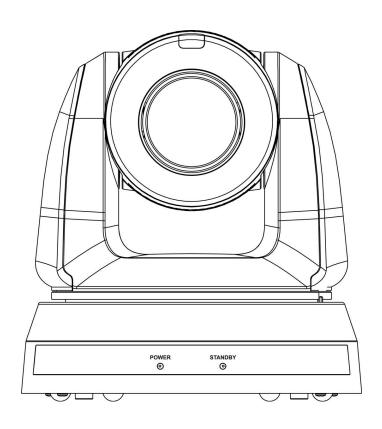


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Chapter 1 Safety Instructions

Always follow these safety instructions when 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 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 electric shock 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 Camera will not be used for an extended time, unplug it from the power socket.





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 appliance 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 appliance.

FCC Warning

This 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.

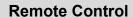
Cet appareil numerique respecte les limites de bruits radioelectriques applicables aux appareils numeriques de Classe A prescrites dans la norme sur le material brouilleur : "Appareils Numeriques," NMB-003 edictee par l'Industrie.

■ EN55032 (CE Radiation) Warning

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

Chapter 2 Package Contents

CV630-IP







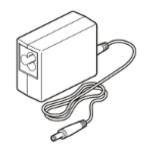
Power Cord

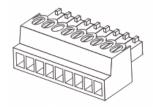
Power Adapter

RS-422 Connector



Appearance may vary depending on country/region

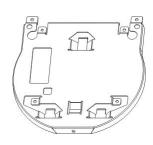


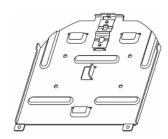


Metal Plate A

Metal Plate B

M3 Screws

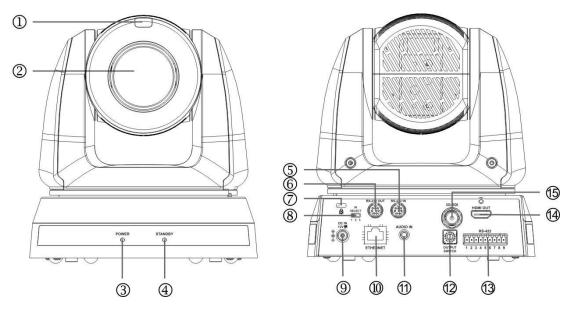






Chapter 3 Function Introduction

3.1 I/O functions Introduction



NO.	Item	Function Descriptions	
1.	Tally indicator light	Displays the tally light status of the camera	
2.	Camera lens	30x HD/UHD camera lens	
3.	Power LED indicator	Displays the status of the camera	
4.	Standby LED indicator	Displays the status of the camera	
5.	RS-232 input	RS-232 input port, up to 7 cameras can be connected in a serial connection	
6.	RS-232 output	RS-232 output port, up to 7 cameras can be connected in a serial connection	
7.	Kensington lock hole	Lock hole of safety lock	
8.	IR SELECT	The remote-control ID setting is set to match and control the specific corresponding Camera (up to three cameras)	
9.	DC 12 V power Port	DC power supply connecting port	
10.	Ethernet port	Network cable port supports routers or hubs of PoE+ (IEEE 802.3at) with power supply	
11.	Audio input	Supports Line/Mic In	
12.	OUTPUT Switch	Adjust the resolution setting. The default is 1080p/59.94	
13.	RS-422 Port	RS-422 connecting port; up to 7 cameras can be connected in a serial connection	
14.	HDMI output	HDMI output (Audio output supported)	
15.	3G-SDI output	3G/HD-SDI output (Audio output supported)	

3.2 Description of LED indicator

Status	Power	Standby
Startup in progress (initialization)	Green light	Orange light
In use	Green light	No indicator
In standby mode	No indicator	Orange light

3.3 Tally Indicator Light Function Description

3.3.1 The tally indicator light function may be enabled through the control of RS-232 command. The setting method is as follows:

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

p = 0: OFF

p = 4: Red light (half-brightness)

p = 5: Red light (full-brightness)

p = 6: Green light (full-brightness)

p = 7: Orange light (full-brightness)

Chapter 4 Instruction for installation

4.1 Preparation before installation

Installation and setup of CV630-IP cameras requires special skills. To install by yourself, please follow necessary steps, ensure steady and secure mounting of the device, and pay attention to your safety to avoid any accidents, drops, or damage.

- 4.1.1 Ensure the safety of the installation environment. Please do not install the device on unstable ceiling fixtures or in places where the device would be in danger of falling.
- 4.1.2 Please check whether accessories in the box are complete. Please contact the Marshall Electronics immediately for any shortages or missing items, and make sure to keep the accessories in the box if not used.
- 4.1.3 Please choose a proper place for installation of camera in advance. Please determine an installation spot according to the following requirements
 - Confirm the position of target objects to be captured.
 - Confirm camera position based on light, and proper distance from light sources.

4.2 Instruction for installation

4.2.1 I would like to install camera on the desk

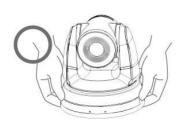
4.2.1.1 Precautions for installation

- ◆ Please install camera only on flat desk surfaces
- ◆ Do not grab or carry the camera by the camera head
- ◆ Do not rotate the camera head by hand, improper rotation may result in breakage of PT motors or gears of the camera









4.2.1.2 Installation steps

- 1. Please adjust DIP switch to desired resolution and framerate prior to installation. Please refer to Chapter 7 DIP Switch Setting for the relevant descriptions on DIP switch settings.
- 2. Place the camera only on flat desk surfaces to ensure integrity of normal vertical and horizontal axis of operation



4.2.2 I would like to install the camera on the ceiling

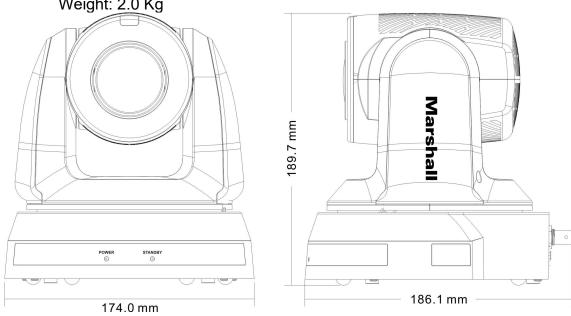
4.2.2.1 Prepare for the parts and equipment required before the installation

- 1. Accessories in the box (metal plates A, B, M3 screw silver x 8, black x 2)
- 2. Set screws for locking camera on ceiling mounted hanger x 4
- 3. Drill, screwdriver, and ladder

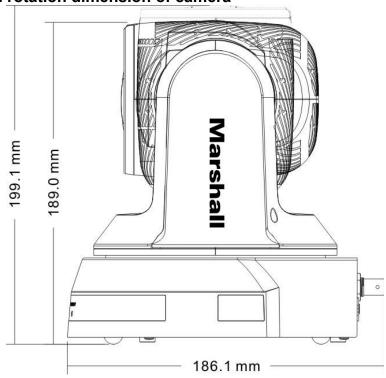
4.2.2.2 **Camera Size**

L x W x H : 174 x 186.1 x 189.7 mm

Weight: 2.0 Kg



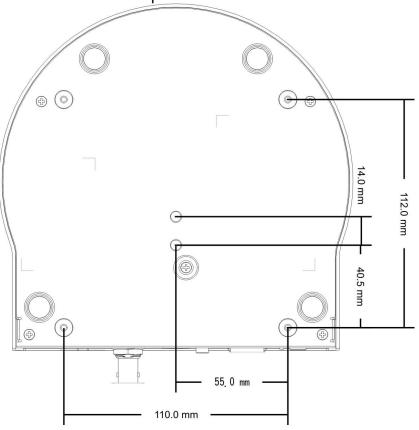




4.2.2.4 Size Diagram

1. Bottom of camera base

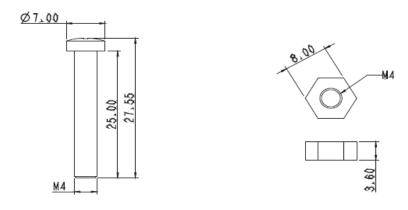
The camera can be mounted on a 1/4", -20 UNC PTZ tripod deck by using the lock holes on the bottom for the tripod

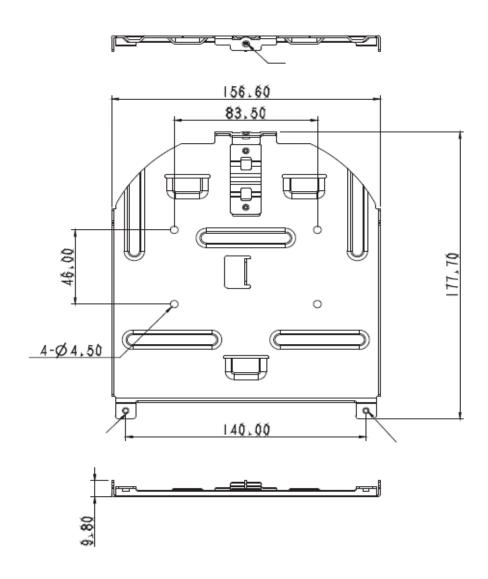


1.

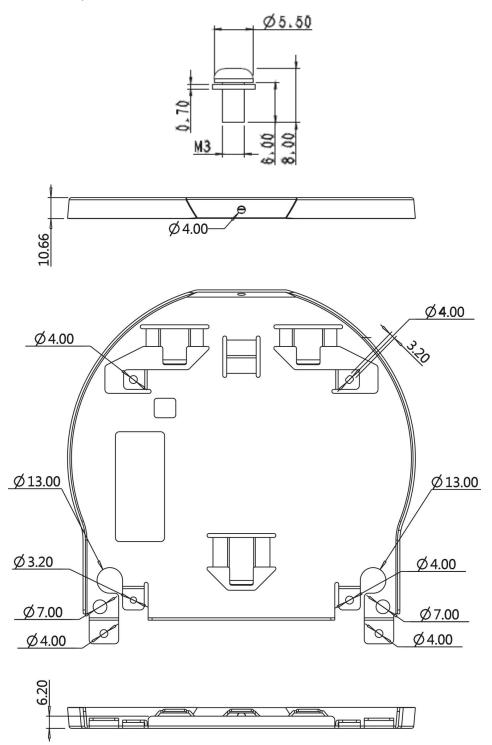
Metal Plate size diagram

Metal plate B - ceiling side



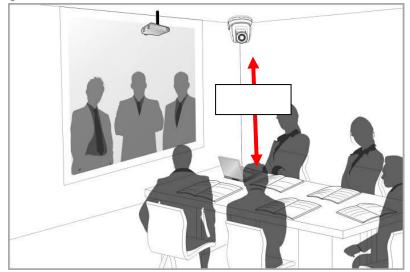


■ Metal plate A – camera base side



4.2.2.5 Precautions for installation

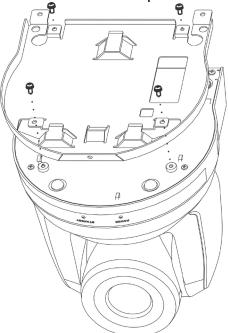
- 1. Prior to installation, please confirm the orientation of the camera relative to the object to be captured to ensure Horizontal and Vertical integrity axis.
- 2. It is recommended for camera be set at a distance of one (1) meter or more from the object to be captured. Please adjust for a best distance according to the magnification of the lens



- 3. The camera (including metal plates) weights approximately 2.5 kg. If it is to be installed on the ceiling, please use the hanger that has obtained UL security approval to prevent the camera from coming loose and falling.
- 4. Please check that camera is securely installed on a regular basis.

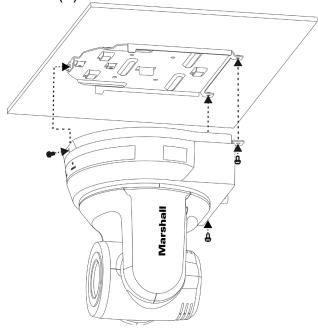
4.2.2.6 Installation steps

- Please set desired resolution and framerate on Output Switch dial.
 Please refer to <u>Chapter 7 DIP Switch Setting</u> for the relevant descriptions on DIP switch settings.
- 2. Fix the metal plate A on the machine base with 4 M3 silver screws



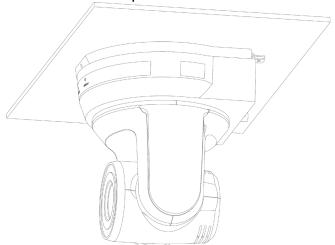
- 3. Lock the metal plate B on ceiling mounted hanger
- Caution: (1) Please use the hanger with UL security approval
 - (2) Please make hole for connecting and running wires to the camera

- 4. Combine the metal plate A and the metal plate B
 - (1) Push the metal plate A up to the ceiling and then to the right to latch the metal plate B into place.
 - (2) And then secure with 2 x M3 silver screws and 1 x M3 black screw



4.2.2.7 How to remove

- 1. Remove the connected cables and wires from the camera
- 2. Uninstall the camera attached to ceiling, loosen the three screws that fix the metal plates A and B and push to the left to remove the camera

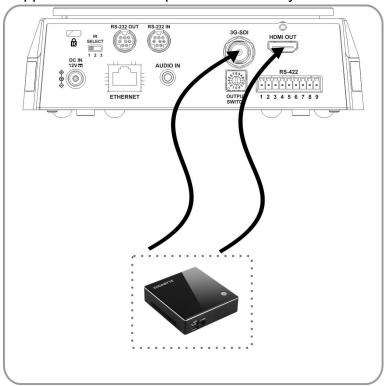


3. Then remove the screws on the hanger and the camera

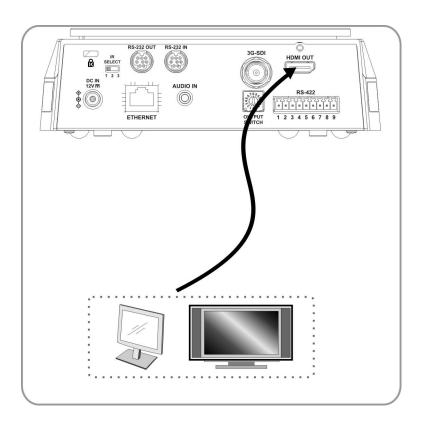
4.3 Connecting devices

4.3.1 Connecting to PC (video conference)

3G/HD-SDI supports the audio output of 48 KHz only

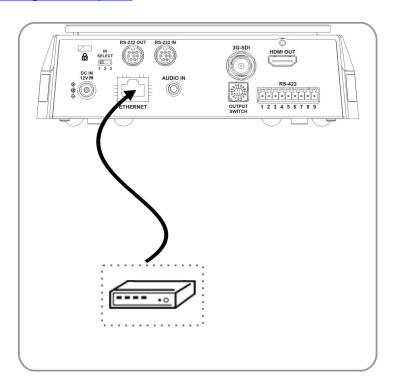


4.3.2 Connecting to an HDTV/computer monitor via HDMI



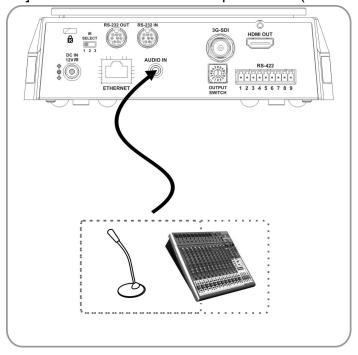
4.3.3 Connecting to Internet

For details of web page setup and description, please refer to <u>Chapter 6 Network</u> <u>Function Settings Description</u>



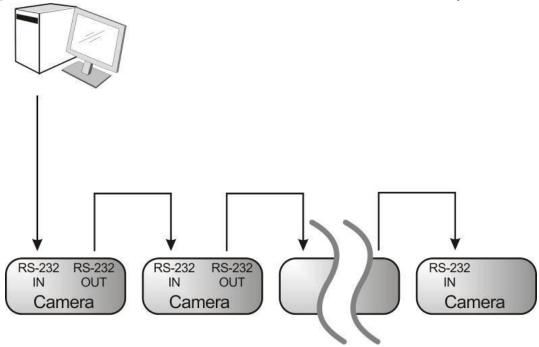
4.3.4 Connecting AUDIO IN

Set the [Audio In] in the OSD to reflect the input device (mic or line level)



4.3.5 Connecting RS-232

Up to 7 Marshall PTZ cameras can be connected with RS232 daisy chain



■ RS-232 pins definition instructions

▼ RS-232 IN Pins Instructions



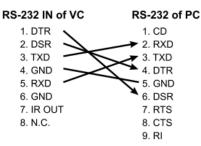
_					
	NO	Pins	Signals		
	1	DTR	Data Transmission Reade		
	2	DSR	Data Set Reade		
ľ	3	TXD	Transmit Data		
ľ	4	GND	Ground		
ľ	5	RXD	Receive Data		
	6	GND	Ground		
	7	IR OUT	IR Commander Signal		
ſ	8	N.C.	No Connection		

▼ RS-232 OUT Pins Instructions

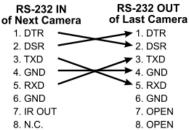


NO	Pins	Signals
1	DTR	Data Transmission Reade
2	DSR	Data Set Reade
3	TXD	Transmit Data
4	GND	Ground
5	RXD	Receive Data
6	GND	Ground
7	OPEN	Reserved
8	OPEN	Reserved

▼ RS-232 Connection Instructions

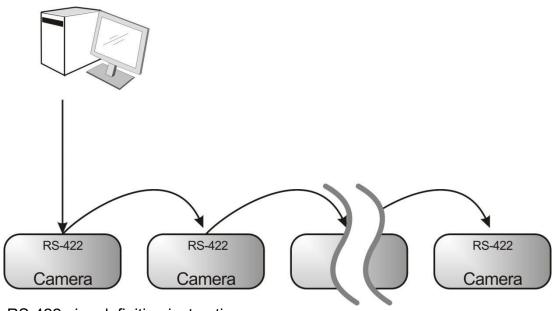


▼ RS-232 Connection Instructions



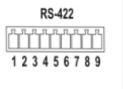
4.3.6 Connecting RS-422

Up to 7 Marshall cameras can be connected via RS422 daisy chain method. When RS-422 connection is being used, keep RS-232 connections vacant.



■ RS-422 pins definition instructions

▼ RS-422 Pins Instructions

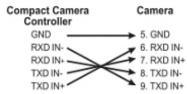


Pin NO.	Function
1	RXD OUT-
2	RXD OUT+
3	TXD OUT-
4	TXD OUT+
5	GND
6	RXD IN-
7	RXD IN+
8	TXD IN-
9	TXD IN+

▼ RS-422 Connection Instructions

Applicable to

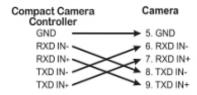
Marshall VS-PTC-200 Camera Controller

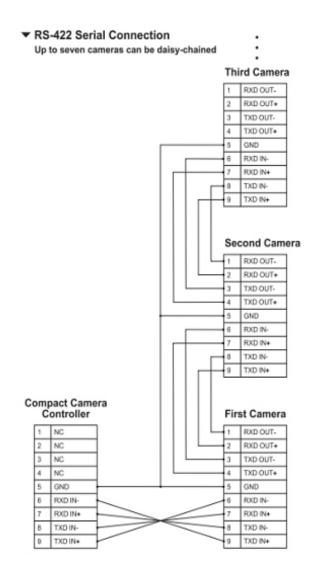


▼ RS-422 Connection Instructions

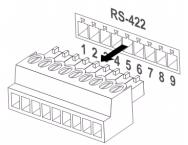
Applicable to

SONY Compact Camera Controller

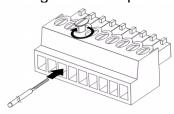




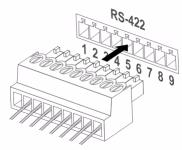
- RS-422 connection instructions
- 1. Hold the two sides of RS-422 connector and pull out in the direction shown by the arrow in the figure below



2. Peel off a section of copper wire (AWG Nos. 28 to 18) and insert it into the connector hole; then use flat screwdriver to tighten it into place.



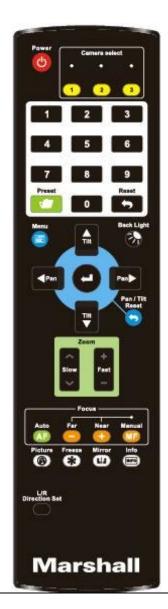
3. Insert the wired RS-422 connector back to the Camera. Now the connection is completed



Chapter 5 Remote Control and Setting Menu

5.1 Functions of remote control

<Remark> The below functions are listed alphabetically.



Item	Description		
	Move the lens		
↓,→,←,↑			
Back Light	Turn on/off back light compensation		
Camera select	Choose Camera ID 1 ~ 3		
Focus- Manual / Far/Near	Turn on manual focus to adjust the focal length		
Focus-Auto	Auto Focus		
Freeze	Freeze the image on screen		
Home-Enter	Go back to the main page / Execute		
Info	Status information		
L/R Direction Set	L/R Direction / Normal		
Menu	Display OSD menu		
Mirror	Rotate the image (OFF / Mirror / Flip / Rotate)		
Pan/Tilt Reset	Clear the Pan / Tilt setting		
Picture	Switch image effect (OFF / Neg / B&W)		
Power	Power Switch		
Preset	Appoint an ID (0 ~ 9) to save the current position data		
Reset	Appoint an ID (0 ~ 9) to delete the current position data		
Zoom-Fast	Adjust image size		
Zoom-Slow	Fine-tune image size		

5.2 Setting Menu

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

1st Level	2nd Level	3rd Level		Function Descriptions
Major Items	Minor Items	Adjustme		Function Descriptions
	Mode	1. Full Au 2. Shutter 3. Iris Pri 4. Manua	· Pri	Exposure mode setting
	Exposure Comp.	On / <u>Off</u>		AE Level
	Exposure Comp. Level	-5 ~ <u>C</u> ~ 5		The value can be adjusted after <i>Exposure Comp.</i> is activated
	Spot Light	On / <u>Off</u>		
	Spot Light Position	X (0 ~ 6) Y	′ (0 ~ 4)	The value can be adjusted after Spot Light is activated
		60/30	50/25	
		mode	mode	
		1/10000	1/10000	
	Shutter Pri	1/5000	1/5000	
		1/3000	1/3000	
		1/2500	1/2500	
Evposuro		1/2000	1/1750	
Exposure		1/1500	1/1250	
		1/1000	1/1000	
		1/725	1/600	
		1/500	1/425	
		1/350	1/300	Adjustable when the
		1/250	1/215	Exposure mode is set to Shutter Pri
		1/180	1/150	
		1/120	1/120	
		1/100	1/100	
		1/90	1/75	
		<u>1/60</u>	<u>1/50</u>	
		1/30	1/25	
		1/15	1/12	
		1/8	1/6	
		1/4	1/3	
		1/2	1/2	
		1/1	1/1	
	Iris Pri	1. F1.6 2. F2		Adjustable when the Exposure mode is set to

	3. F2.2 4. F2.7 5. F3.2 6. F3.8 7. F4.5 8. F5.4 9. F6.3 10.F7.8 11.F9 12.F11 13.F13 14.F16 15.F18 16.Close		Iris Pri
Manual Gain	1. 0 dB 2. 3 dB 3. 6 dB 4. 9 dB 5. 12 dB 6. 15 dB 7. 18 dB 8. 21 dB 9. 24 dB 10.27 dB 11.30 dB 12.33 dB 13.36 dB 14.39 dB 15.42 dB 16.45 dB		Adjustable when the Exposure mode is set to Manual
Manual Speed	60/30 mode 1/10000 1/5000 1/3000 1/2500 1/2500 1/1500 1/1000 1/725 1/500 1/350 1/250 1/180 1/120 1/100 1/90	50/25 mode 1/10000 1/5000 1/3000 1/2500 1/1750 1/1250 1/1000 1/600 1/425 1/300 1/215 1/150 1/100 1/75 1/50	Manually set the shutter

		1/30 1/15	1/25 1/12	
		1/15	1/1/	
		410		
		1/8	1/6	
		1/4	1/3	
		1/2	1/2	
		1/1	1/1	
	Manual Iris	1. F1.6 2. F2 3. F2.2 4. F2.7 5. F3.2 6. F3.8 7. F4.5 8. F5.4 9. F6.3 10.F7.8 11.F9 12.F11 13.F13 14.F16 15.F18 16.Close		Manually set the iris
	Gain Limit	1. 9 dB 2. 12 dB 3. 15 dB 4. 18 dB 5. 21 dB 6. 24 dB 7. 27 dB 8. 30 dB 9. 33 dB 10.36 dB 11.39 dB 12.42 dB 13.45 dB		Max. limit value of electron gain
	Iris Limit	1. F3.2 2. F3.8 3. F4.5 4. F5.4 5. F6.3 6. F7.8 7. F9 8. F11		Max. limit value of iris
,	WDR	1. <u>Off</u> 2. 1 3. 2 4. 3		
White Balance	Mode	 Auto Indoor Outdoo One Put 		Select the color temperature mode 1. 4000k ~ 7000k 2. 3200k

	One Push	5. ATW6. Manual7. Sodium Lamp	3. 5800k 4. 1700k ~ 10000k 5. 1700k ~ 10000k 6. Custom 7. 2800k
	Trigger	ENTER	One push trigger
	Manual Red	0 ~ <u>C</u> ~ 128	Adjustable when the white balance mode is set to <i>Manual</i>
	Manual Blue	0 ~ <u>C</u> ~ 128	Adjustable when the white balance mode is set to <i>Manual</i>
	Picture effect	1. <u>Off</u> 2. Neg 3. B & W	
	Sharpness	0 ~ <u>A</u> ~ 14	
	2D NR	1. Off 2. <u>1</u> 3. 2 4. 3	
	3D NR	1. Off 2. Low 3. <u>Typ</u> 4. Max	
	Image Mode	1. <u>Default</u> 2. Custom	The user may customize his/her desired image mode
Picture	Image Mode Load	<u>ENTER</u>	Adjustable when the <i>Image mode</i> is set to <i>Custom</i> . After selected, the corresponding <i>Image mode</i> parameters will be read and applied to <i>Custom</i>
	Brightness	0 ~ <u>A</u> ~ 15	Adjustable when the <i>Image</i> mode is set to <i>Custom</i>
	Hue	0 ~ <u>A</u> ~ 15	Adjustable when the <i>Image</i> mode is set to <i>Custom</i>
	Saturation	0 ~ <u>A</u> ~ 15	Adjustable when the <i>Image</i> mode is set to <i>Custom</i>
	Gamma	0 ~ <u>A</u> ~ 3	Adjustable when the <i>Image</i> mode is set to <i>Custom</i>
	Pan/Tilt Limit	On / <u>Off</u>	Turn on/off the angle limit setting
Pan Tilt Zoom	Pan Right Limit	0 ~ <u>170</u>	Limit the right angle
	Pan Left Limit	<u>-170</u> ~ 0	Limit the left angle
	Tilt UP Limit	0 ~ <u>90</u>	Limit the upward angle

	Tilt Down Limit	<u>-30</u> ~ 0	Limit the downward angle
	Pan Flip	On / Off	Activate the reverse Pan command
	Tilt Flip	On / <u>Off</u>	Activate the reverse Tilt command
	Preset Speed	 5 deg/sec 25 deg/sec 50 deg/sec 80 deg/sec 120 deg/sec 160 deg/sec 200 deg/sec 300 deg/sec 	Set the rotation speed of the cradle head when Preset is executed
	PTZ Speed Comp	On / <u>Off</u>	Set the Pan/Tilt moving speed to vary from the zoom position
D-Effect	Mirror	1. <u>Off</u> 2. Mirror 3. Flip 4. Mirror + Flip	Set the mode at which the image is turned
	AF Sensitivity	1. Low 2. <u>Middle</u> 3. High	For AF triggering speed, the higher the speed is, the faster AF is triggered
Auto Focus	AF Frame	1. Center 2. Full Frame 3. <u>Auto</u>	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
	PTZ Assist	On / Off	Turn on the auto focus function in Manual
	DHCP	On / Off	Enable/Disable DHCP setting using left and right arrow keys and press [ENTER] to apply setting.
Ethernet	IP Address	<u>192.168.100.100</u>	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	<u>255.255.255.0</u>	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 In	Line In/Mic In	Set Audio In
	Audio Enable	On / <u>Off</u>	Turn on/off audio output
Audio	Audio Volume	0 ~ <u>A</u> ~ 10	Volume Setting
Addio	Encode Sample Rate	1. <u>48 KHz (AAC)</u> 2.44.1 KHz (AAC) 3.16 KHz (G.711) 4.8 KHz (G.711)	Set the encode type and sample rate SDI supports the audio output of 48 KHz only
	Prompt	On / <u>Off</u>	Turn on/off the prompt information on the display
	IR Receive	<u>On</u> / Off	
	Tally Lamp	Enable / Disable	
	Language	English / Chinese	
	Initial Position	<u>Last MEM</u> / 1st Preset	Set the camera lens to return to the last operated position or the first preset position after POWER ON
	Control Device	Encoder / Controller	Control Device setting, Controller: for joystick Encoder: for tracking system
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.
	Control Port	RS-232 /RS-422	Choose whether the control interface used is RS-232 or RS-422
	Protocol	VISCA/Pelco D	
	Baud Rate	9600 /38400	Choose the transmission speed of the control signal
	VISCA Address	<u>0</u> ~ 7	
	Pelco D Address	<u>1</u> ~ 255	The Protocol set to Pelco D allows the camera ID address to be assigned

	Output Mode	1. 3840 x 2160/29.97p 2. 3840 x 2160/25p 3. 1080p/59.94 4. 1080p/50 5. 1080p/29.97 6. 1080p/25 7. 720p/59.94 8. 720p/50 9. 720p/29.97 10. 720p/25	Choose the output resolution
	Factory Reset	On / Off	Resume the factory default setting
Status			Display the current setting status

Chapter 6 Network Function Settings Description

6.1 Connecting Camera to IP Network

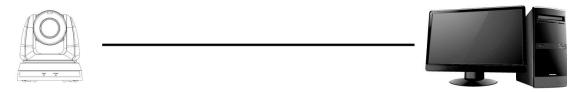
6.1.1 Connecting to Internet

Two common connection methods are shown below

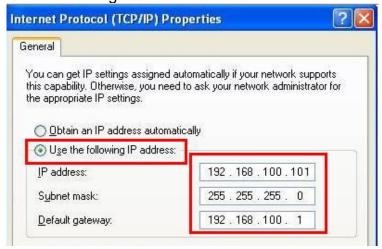
1. Connecting via switch or router



2. To connect directly through network cable, the IP address of the computer should be changed so that it is on the same network segment as the camera e.g.: The factory-preset default IP address of CV630-IP 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



6.1.2 Using the Browser to View the Images

- Open the browser, and enter the URL of CV630-IP in the IP address bar e.g.: http://192.168.100.100 (default IP address)
- Enter administrator's account and password



Marshall IP Camera I Account: admin I Password: 9999

6.1.3 Using Marshall VMS Software to View the Images

- Open *MARSHALL VMS* software
- Search for the camera: Press [automatically search for the device] button to locate the CV630-IP camera
- Click CV630-IP 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

6.1.4 Using RTSP Player to View the Images

In addition to the software GUI in internet browser and VMS, other free software als can be used for RTSP connections, such as VLC, Quick Time and PotPlayer RTSP connection address formats are as follows:

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

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

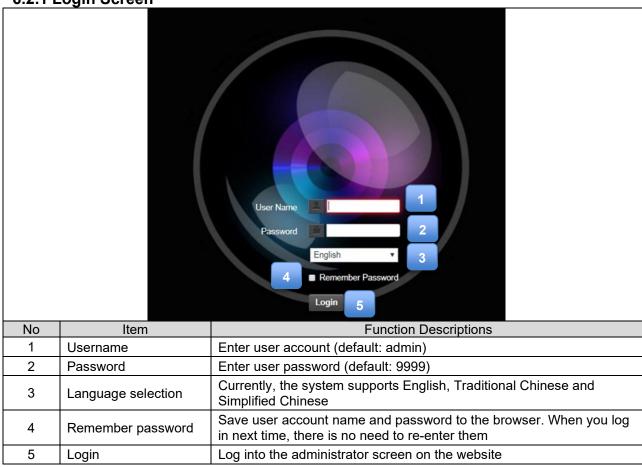
Network Protocol

Please enter a network URL:

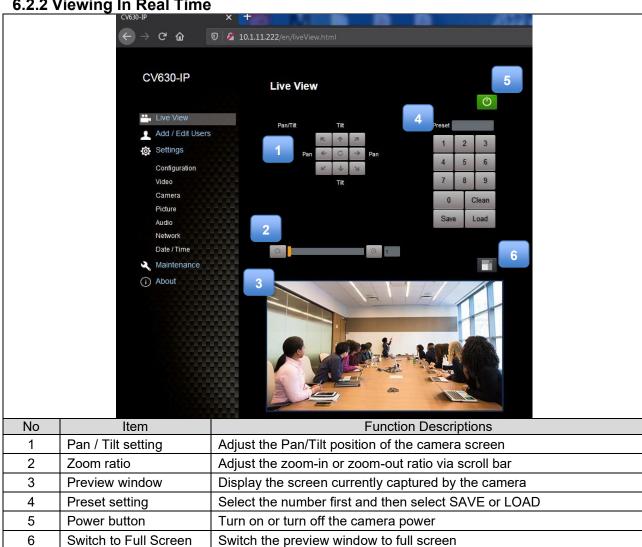
rtsp://192.168.100.150:8557/h264

6.2 Web Page Function Description

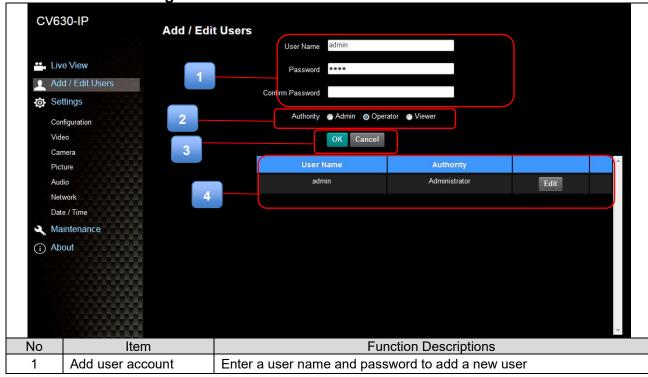
6.2.1 Login Screen



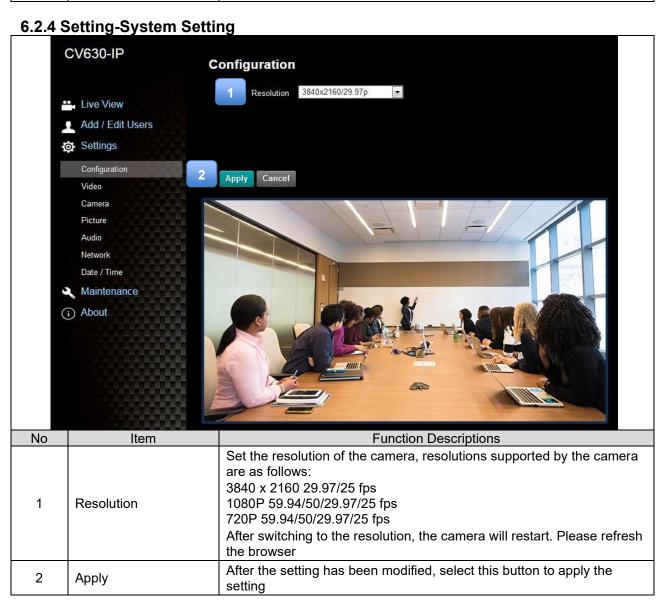
6.2.2 Viewing In Real Time



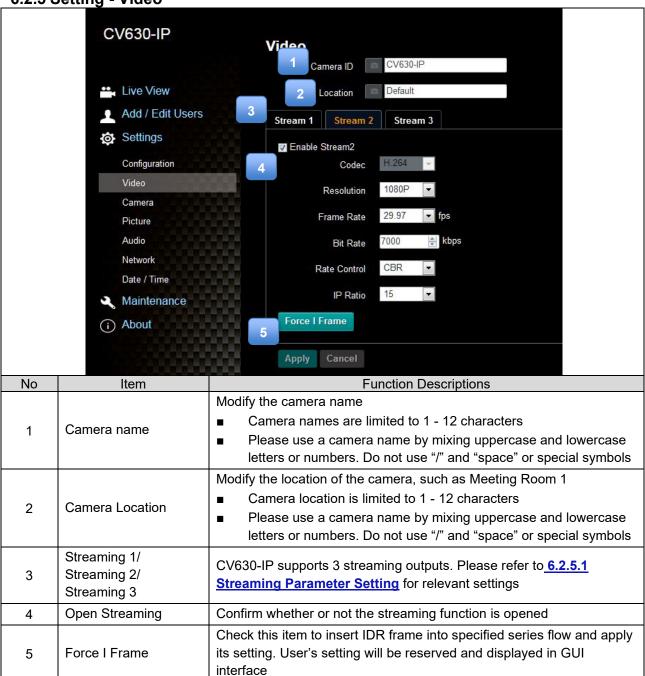
6.2.3 Account Management



		Set the new account management permissions				
		User Type	Admin	Operator	Viewer	
		View images	V	V	V	
_		Settings	V	V	X	
2 Pe	Permission setting	Account management	V	Х	х	
3	Applying setting	Add the newly created user to the list of account				
4	List of accounts	Edit: Modify the user password and permissions Delete: Delete the user account				



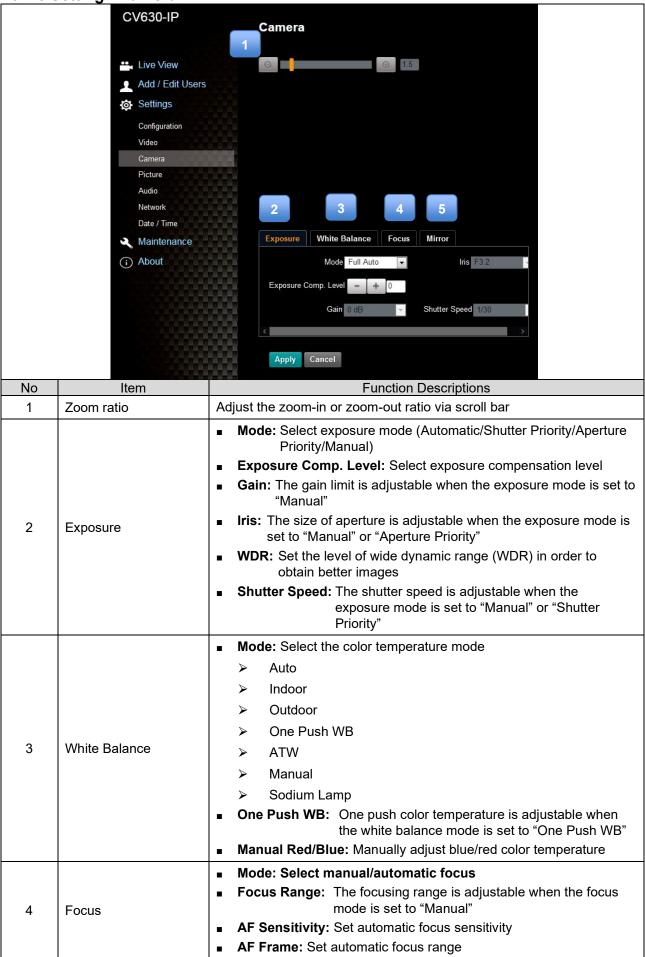
6.2.5 Setting - Video



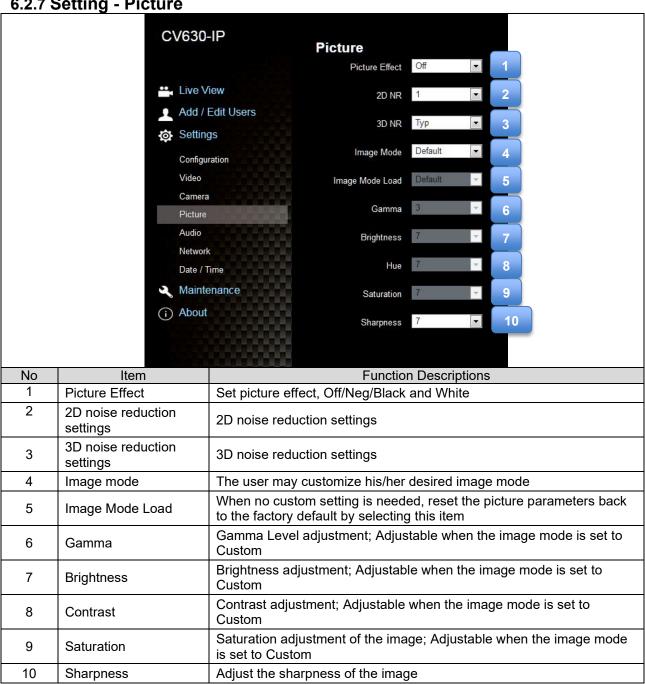
6.2.5.1 Streaming parameter setting

0.2.0.1 Officialiting parameter setting					
Function		Streaming 1	Streaming 2	Streaming 3	
Encode Format		H.265	H.264		
Resolution		4K /1080P / 720P	1080P/720P	640 x 360	
Frame Rate		Setting according to the supported resolution			
Bit Rate (kbps)	Range	2,000 ~ 20,000	2,000 ~ 20,000	512 ~ 5,000	
	Factory Default	7,000	7,000	1,000	
Rate Control		CBR/VBR			
IP Ratio		Setting according to the supported resolution			

6.2.6 Setting - Camera



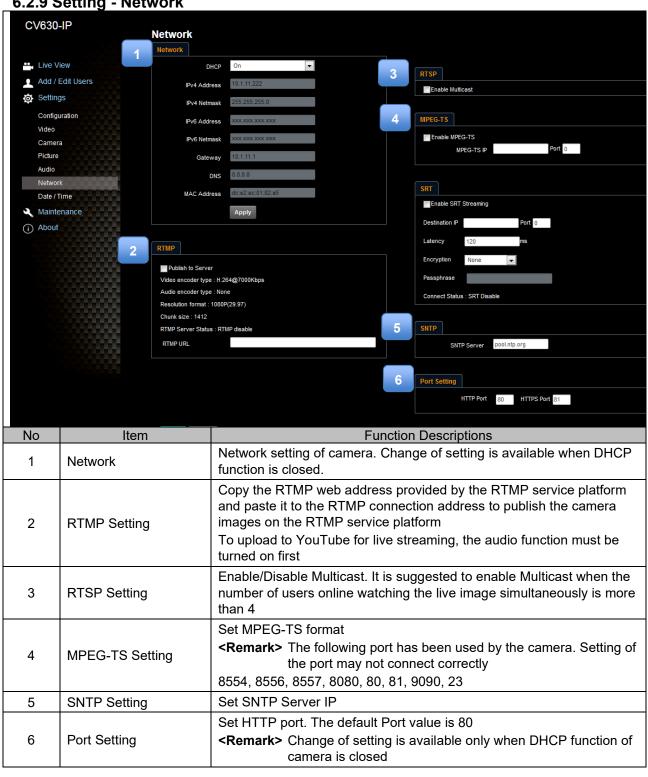
6.2.7 Setting - Picture



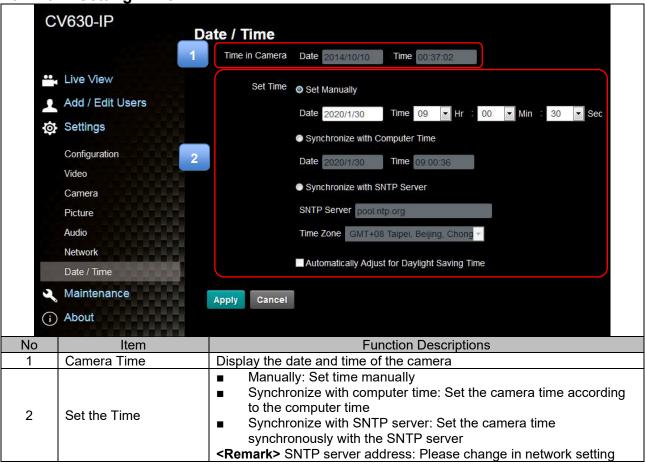
6.2.8 Setting - Audio



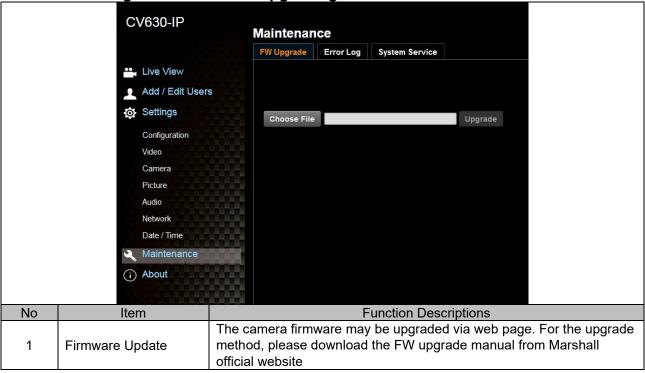
6.2.9 Setting - Network



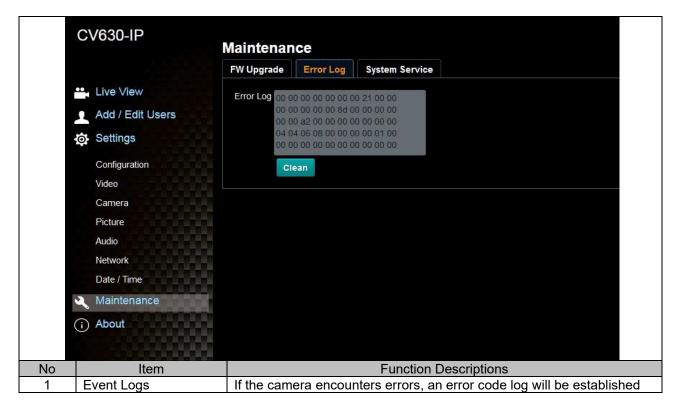
6.2.10 Setting-Time



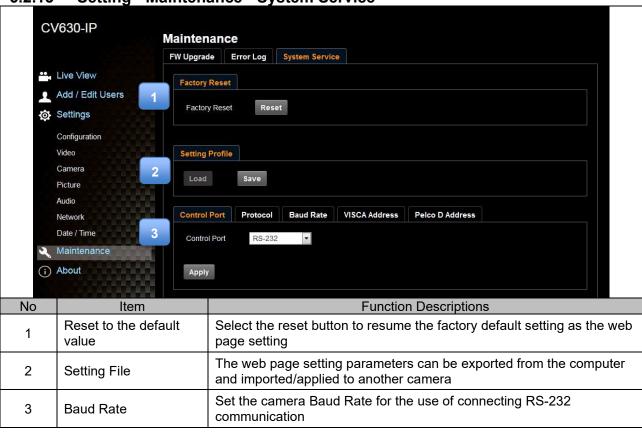
6.2.11 Setting - Maintenance - Upgrading Firmware



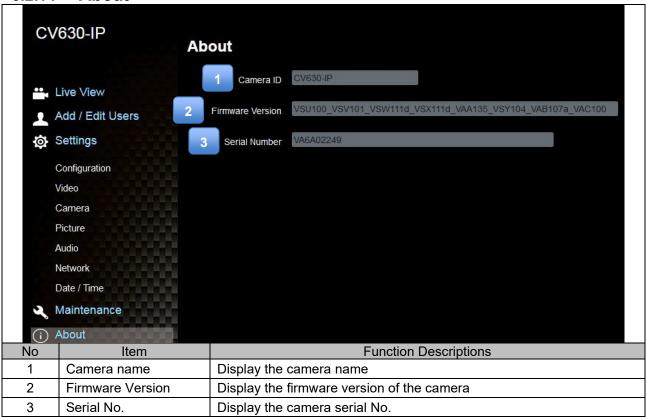
6.2.12 Maintenance - Incident Log



6.2.13 Setting - Maintenance - System Service



6.2.14 About



Chapter 7 DIP Switch Setting

7.1 DIP SWITCH

7.1.1 OUTPUT Switch

To switch via the OSD/ RS-232 Command is also available based on the last executed action



ID	Resolution	Frame Rate	
0	2040 v 2460	29.97	
1	3840 x 2160	25	
2		59.94	
3	1920 x 1080	50	
4	1920 X 1000	29.97	
5		25	
6		59.94	
7	1280 x 720	50	
8	1200 X 720	29.97	
9		25	
Α			
В			
С	Reserved	Reserved	
D	Reserved	Neserveu	
E			
F			

7.1.2 IR SELECT



ID	Setting
1	
2	
3	

Chapter 8 Troubleshooting

This chapter describes problems you may encounter while using CV630-IP. 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 Marshall IP technical support.

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+ (IEEE 802.3at) hubs
2.	There is no image output from CV630-IP	 1. Check the power supply or PoE supply functions. 2. Confirm the output signals are in streaming output. 3. Confirm whether the camera resolution can be used together with the monitor equipment If 4k output, confirm the monitor equipment supports 4K output 4. Replace the cables and make sure they are not faulty.
3.	CV630-IP 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 6 Network Function Description for the Internet usage