

Network Function Setting for VC-A20P

This model supports video/audio streaming and control via network connection. Please follow the steps to enable respective function settings.

1. Connecting with network cable

2. Enable OSD to change network setting

| 1st Level Items | 2nd Level Items | Setting | Description |
|-----------------|-----------------|------------------------|---|
| Ethernet | DHCP | ON/ <u>OFF</u> | Enable/Disable DHCP setting using left and right arrow keys and press [ENTER] to apply setting. |
| | IP Address | 192.168.100.150 | Press [ENTER] to modify the items; select the item to be modified using left and right arrow keys, and modify the value using numeric keys. |
| | Subnet Mask | 255.255.255.0 | Press [ENTER] to modify the items; select the item to be modified using left and right arrow keys, and modify the value using numeric keys. |
| | Gateway | 192.168.100.1 | Press [ENTER] to modify the items; select the item to be modified using left and right arrow keys, and modify the value using numeric keys. |

3. Open the browser to log in

3.1 Enter IP address in the address bar (default IP: 192.168.100.150).

Username: admin

Password: 9999

<Remark> 1. "Web Plugin" must be installed before the first use. Please install the program after downloading according to instructions on the screen (as shown in the following figure).


2. Please login the computer as Administrator to install it.

Installation Guide

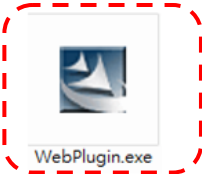
The "WebPlugin" file will be downloaded automatically in 7 seconds...

Step:

- 1. Before you begin, close your web browser (i.e. Internet Explorer, Firefox, Chrome, etc.) first.

| | | |
|---|---|---|
| IE | Firefox | Chrome |
|  |  |  |

- 2. Double-click "WebPlugin.exe" to start the actual installation process.



WebPlugin.exe

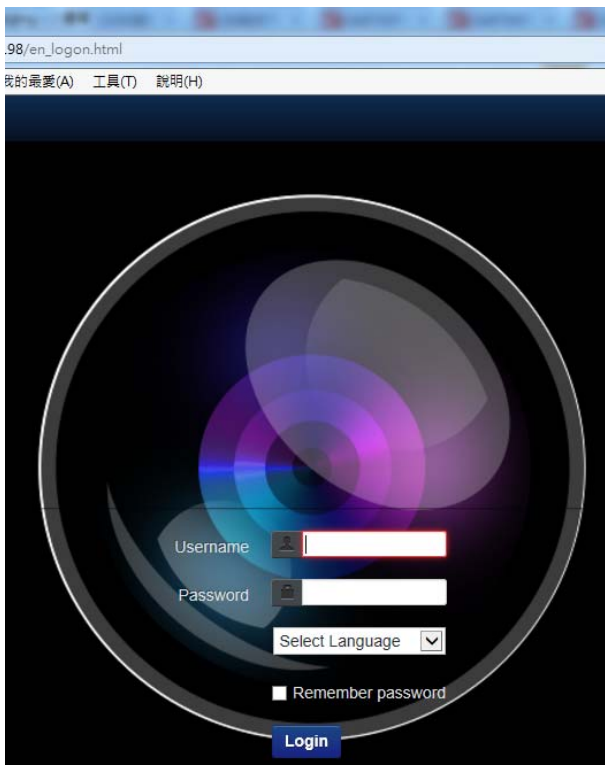
- 3. After installation is completed, open the web browser and type in the IP address of the IP Camera



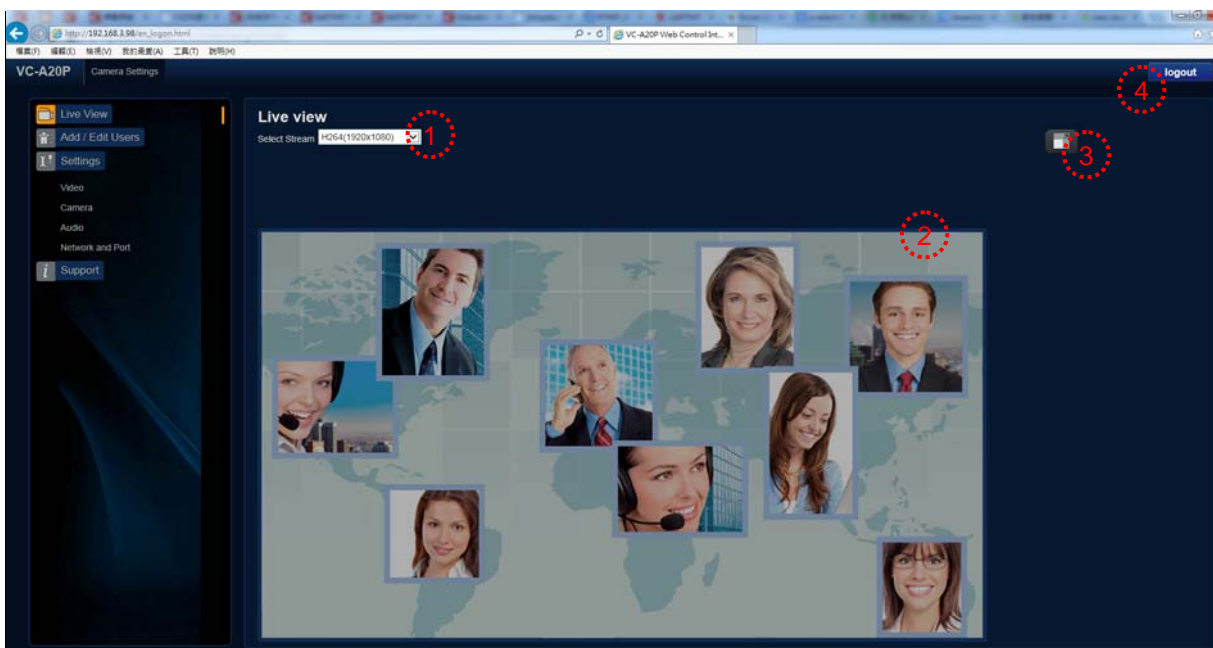
3.2 Real-time image appears upon successful login.

4. Web Page and Function Description

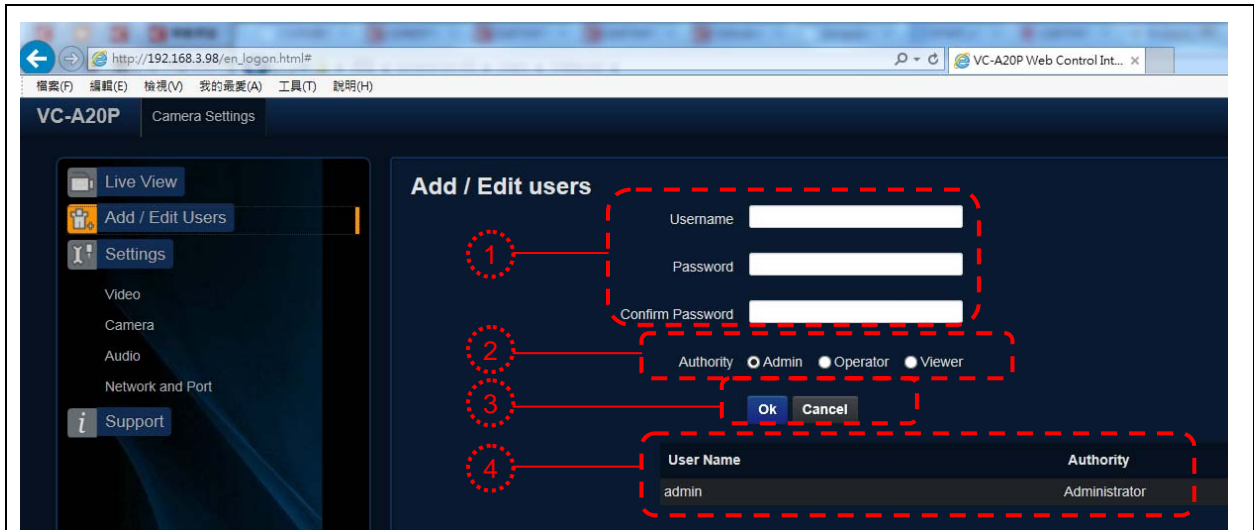
4.1 Login Page

| | |
|---|---|
|  | Username: Account |
| | Password: Password |
| | Select Language: Select language from English, Traditional Chinese and Simplified Chinese |
| | Remember password: Remember the password so that you do not need to type it next time |
| | Login: Login |

4.2 Preview Page

| |
|--|
|  |
| 1. Information about video format and resolution |
| 2. Preview window |
| 3. Switch to Full Screen |
| 4. Logout |

4.3 Account management page

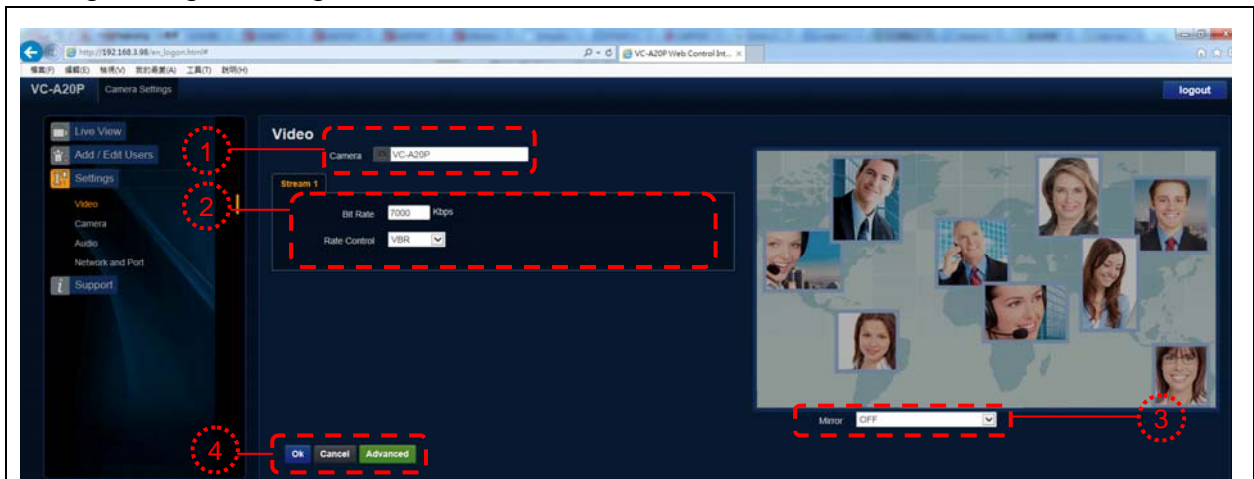


1. Enter new username and password
2. Set the permissions: Description for permissions is listed in the following table
3. Apply
4. List of accounts

<Remark> User Permissions

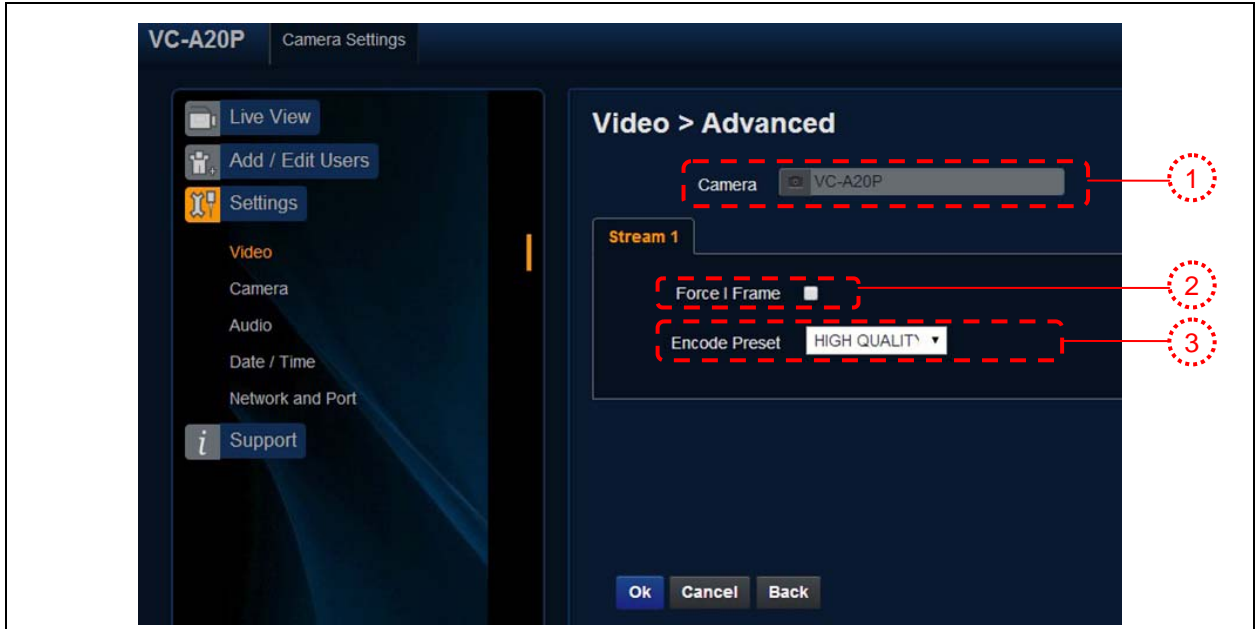
| User Type | Admin | Operator | Viewer |
|--------------------------|-------|----------|--------|
| View images | Y | Y | Y |
| Settings | Y | Y | N |
| User accounts management | Y | N | N |

4.4 Setting - Image Setting



1. Camera name: Change camera name on this page
2. Select encoding bitrate and method
3. Enable mirroring function
4. Save setting; for Advanced setting, see [4.5 Setting - advanced image setting](#)

4.5 Setting - Advanced Image Setting



1. Name of current camera

2. Force I Frame : By checking this box, it will enable that particular stream to insert IDR frame at that instant. Once IDR frame is inserted, this flag has no significance. In GUI, this will show as checked if selected to show the user the last setting.

3. Encode Preset :

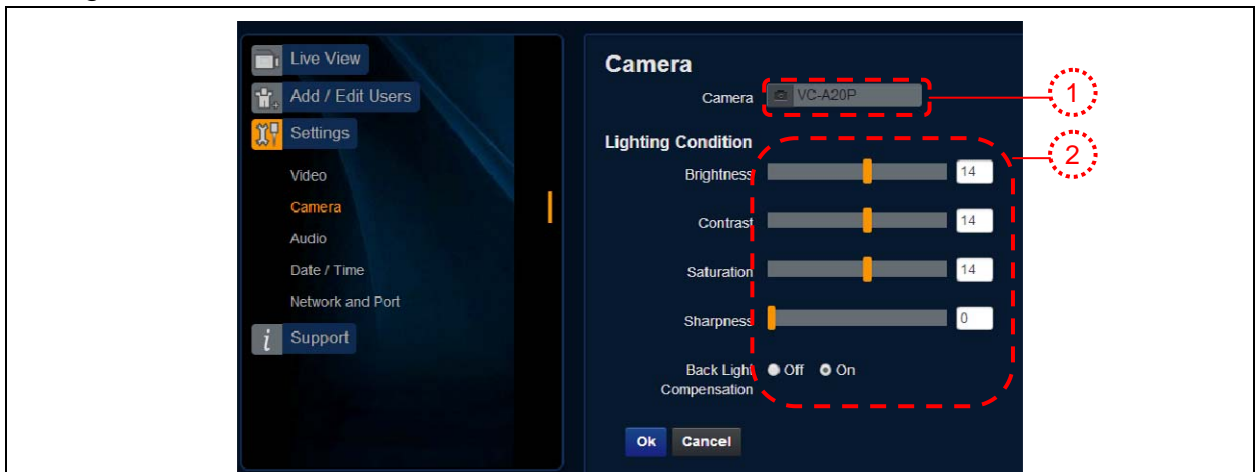
Auto: This will automatically set the value based on the codec combo used for best tradeoff with performance and quality (for 60fps mode, this will select HIGH_SPEED mode and for 30fps mode, this will select HIGH_QUALITY mode)

HIGH_SPEED: This will put the codec to HIGH_SPEED preset which will achieve 60 fps encoding

HIGH_QUALITY: This will put the codec to HIGH_QUALITY preset for higher video quality

SVC: This will enable SVC mode of encoding with RTSP streaming on ports 8601, 8602, 8603, 8604 enabled for different frame rate.

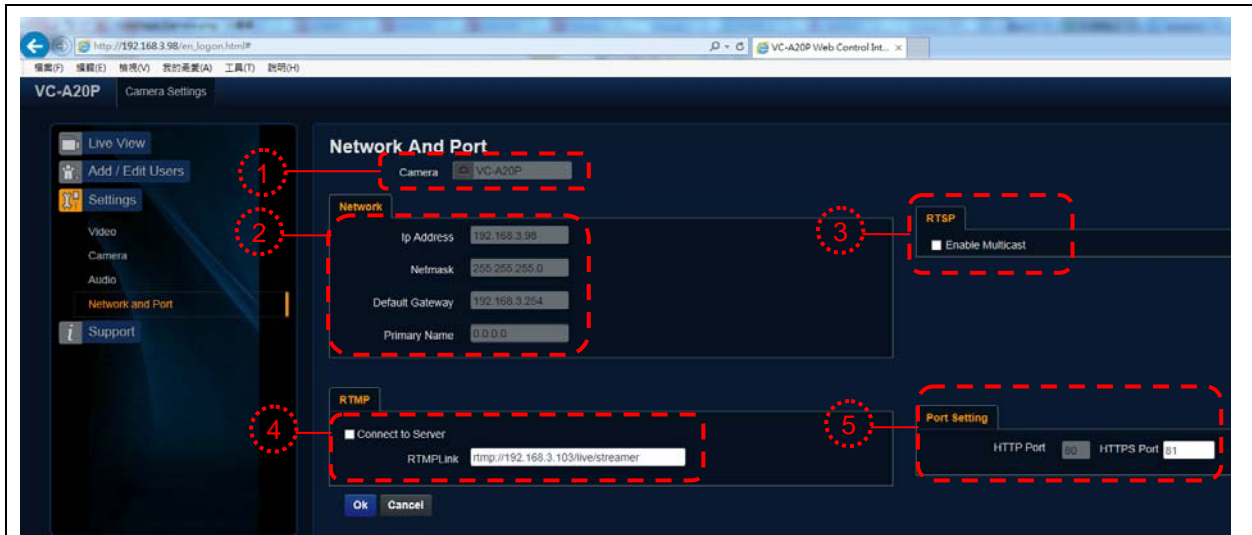
4.6 Setting - camera



1. Name of current camera

2. Adjust camera brightness / contrast / saturation / sharpness / backlight compensation, etc.

4.7 Setting – network setting



1. Name of current connected camera

2. Network address of camera: When DHCP of VC Camera is disabled, modification is allowed; for setting of DHCP, see [2. Enable OSD to change network setting](#)

3. Set Multicast:

<Remark> It is suggested to enable Multicast when the number of users online watching the live image simultaneously is more than 4.

4. Set RTMP : Please refer to the setting of RTMP server to set the RTMP link.

5. Set HTTP port. The default Port number is 80

<Remark> The modification is allowed when the DHCP of VC Camera is disable.

4.8 RTMP Connection

1. Route rtmp://FMS URL/Stream

EX: rtmp://192.168.3.103/live/streamer

<Remark> For route, please follow the setting of RTMP server.

4.9 RTSP connection address: rtsp://VC IP Address:Port/h264

1. **H264** : <rtsp://192.168.100.150:8557/h264>

<Remark> For IP Address (192.168.100.150), please modify it following actual setting of the camera in use.

4.10 SVC connection address: rtsp://VC IP Address:Port/h264

1. **60 fps** : <rtsp://192.168.100.150:8557/h264>

2. **30 fps** : <rtsp://192.168.100.150:8601/h264>

3. **15 fps** : <rtsp://192.168.100.150:8602/h264>

4. **7 fps** : <rtsp://192.168.100.150:8603/h264>

5. **3 fps** : <rtsp://192.168.100.150:8604/h264>

<Remark> For IP Address (192.168.100.150), please modify it following actual setting of the model in use.