



UCAM-120 with UShop+ Store BI Installation Guide V1.6.5A

Version Information

Date	Firmware Version	Software Version
2018/01/08	1.65A	

Camera Setup Process

1. Connect UCAM

Please connect 192.168.1.8 to setup the camera via Chrome browser.

2. Confirm Firmware Version

- You may check the version number in the orange mark in Figure-1.
- Please update the firmware to latest version if it less than 1.6.5A. The detail steps are listed in Appendix I.

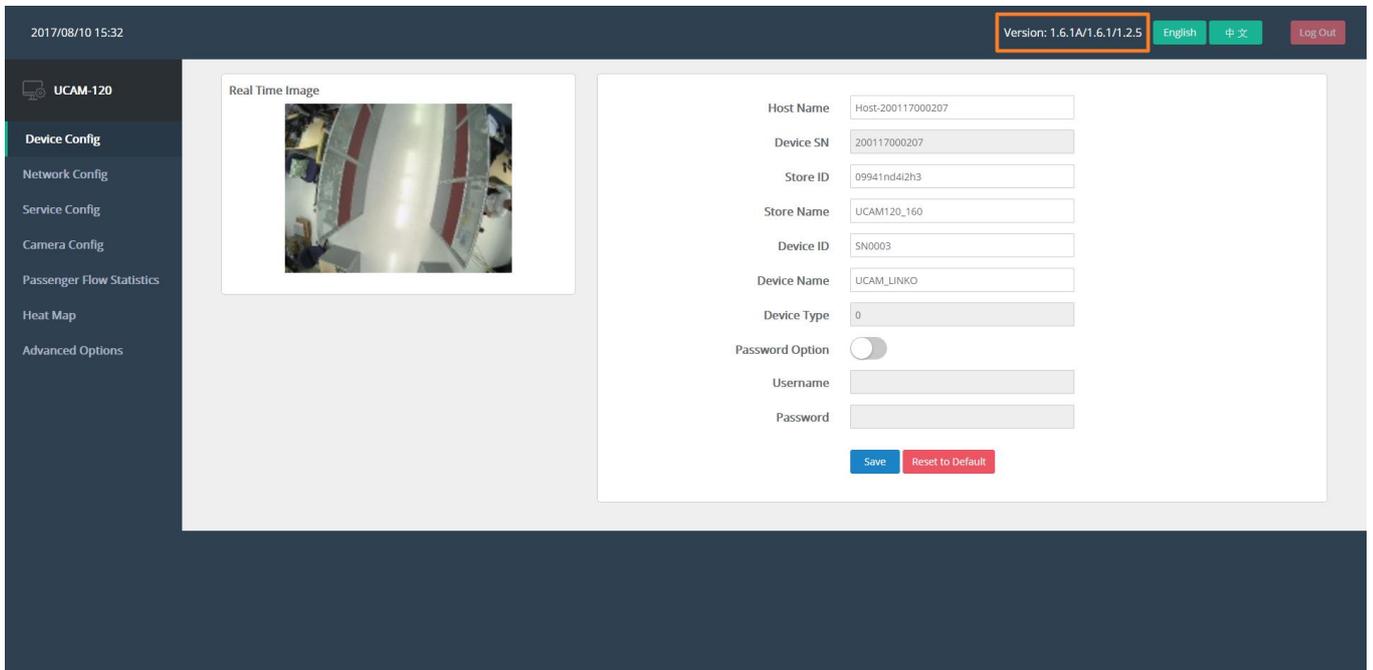


Figure-1

- Please make sure the network connection can access internet, and then you can change the Device IP address, gateway and DNS server as Figure-2.
- Make sure the address is static IP. subnet mask, gateway and DNS are correctly.

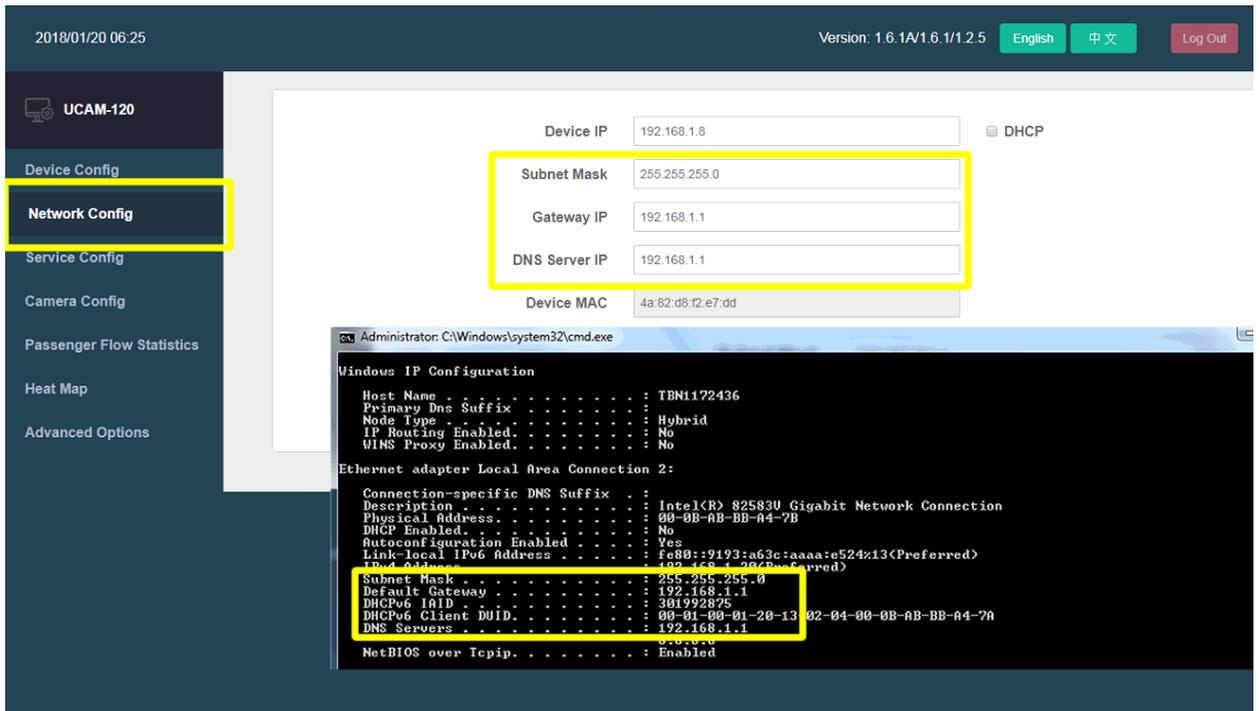


Figure-2

3. Setup NTP Time Server:

EX: Taiwan National Time and Frequency Standard Laboratory

Time Server Selection	NTP Server
Time Server Address	clock.stdtime.gov.tw
Time Server Port	123

Please select NTP Server of your country, press save button after setting, Figure-3 & Figure-4.

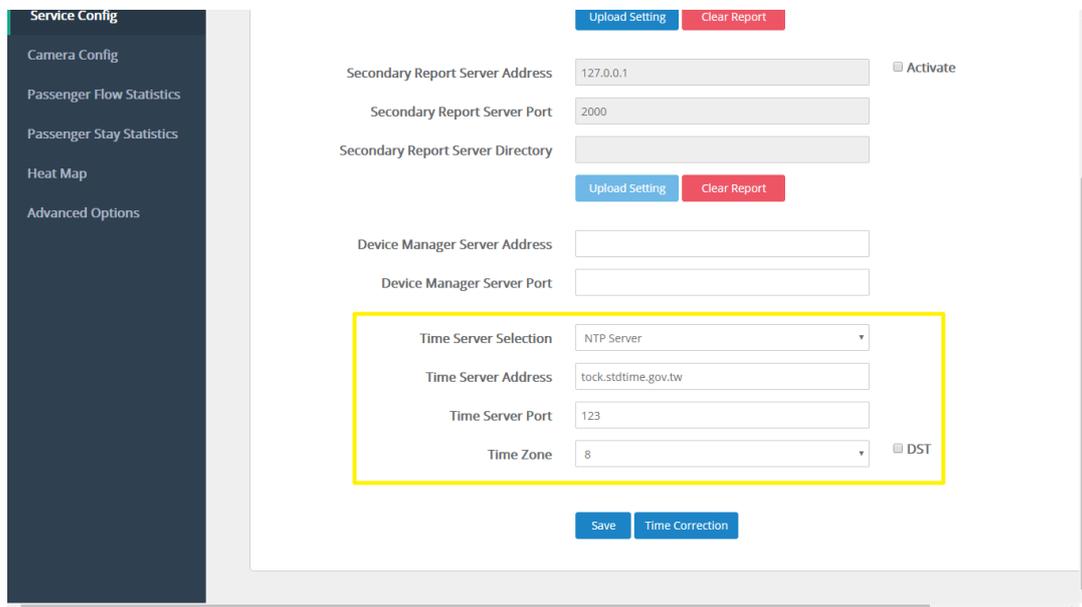


Figure-3

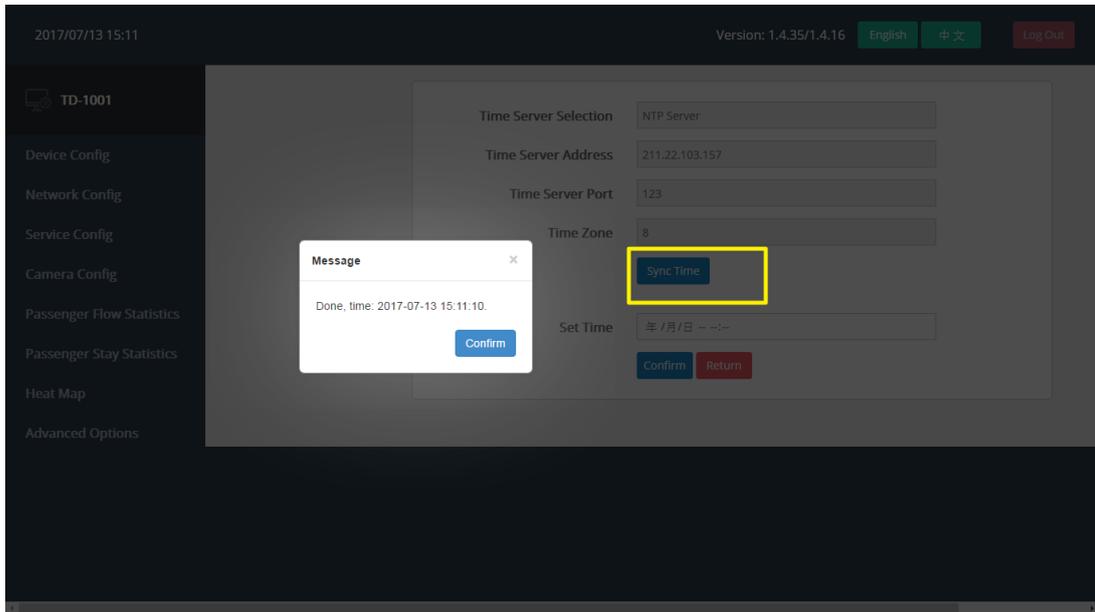


Figure-4

4. Connect UCAM to UShop+ Store BI Service

Advantech provide public cloud and private cloud for Ushop+ solution, please configure your UCAM base on which type of cloud you use.

	Public Cloud	Private Cloud
Primary Report Server Address	hub.ushop-plus.com	Your Server Address
Primary Report Server Port	80	1234
Primary Report Directory	/portals/data	

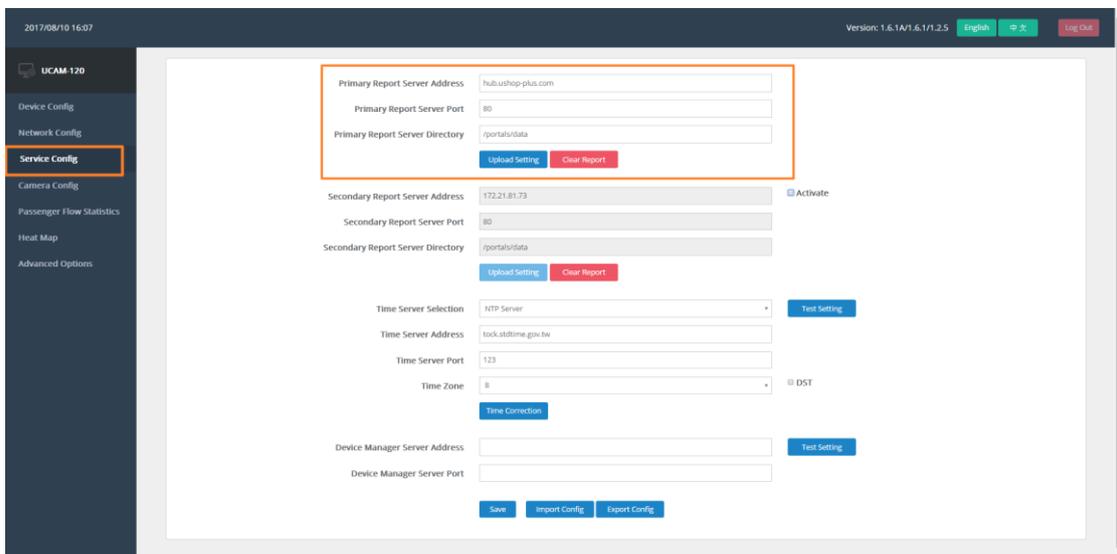


Figure-5

Press Save button when setting ready, then press "Clear Report" button to clear temp data.

5. Setup Store ID

- Please make sure the store has been created on UShop+ Portals, find the Store ID of Store Information and fill in the Store ID of Device Config tab on Camera, Figure-6 & Figure-7.
- Please fill in UShop+ license found on Camera to the DeviceID. There are totally 19 digits including "-".
- Please fill the device information in Device Name of Device Config tab, the name will show on the UShop+ Portals, Ex: StoreA_Gate

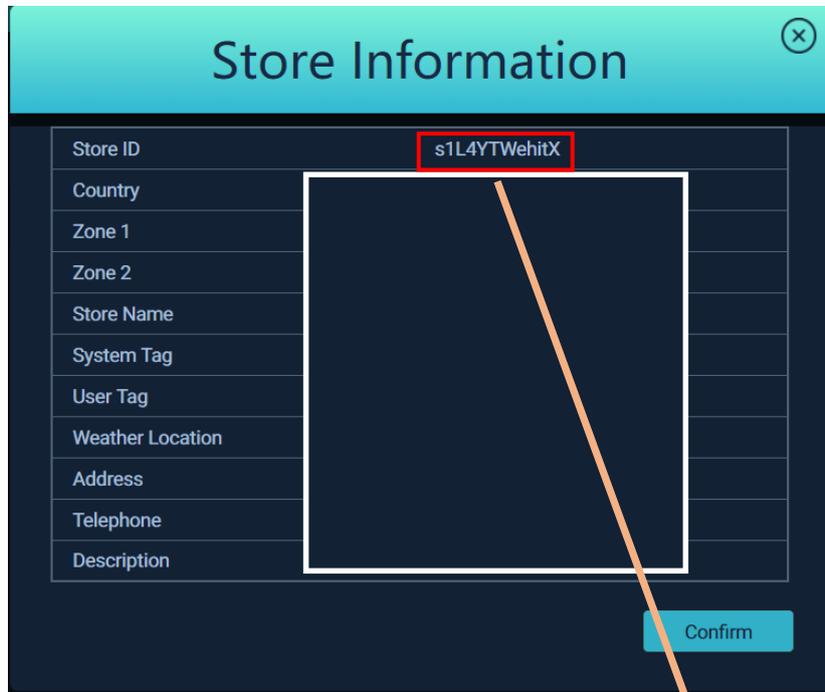


Figure-6

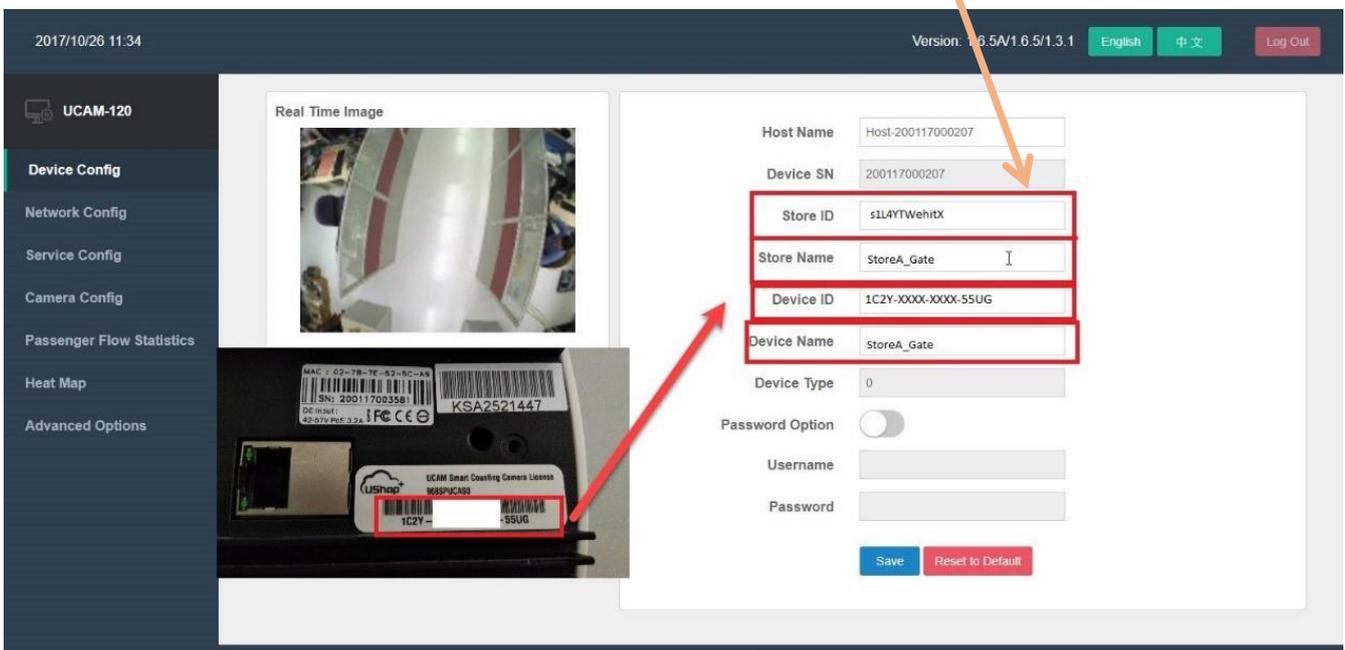


Figure-7

6. Check Data Upload Status

- Click "Reboot" button and double confirm timestamp, "Successful Upload" should be late than time of "Failed Upload" Figure-8.

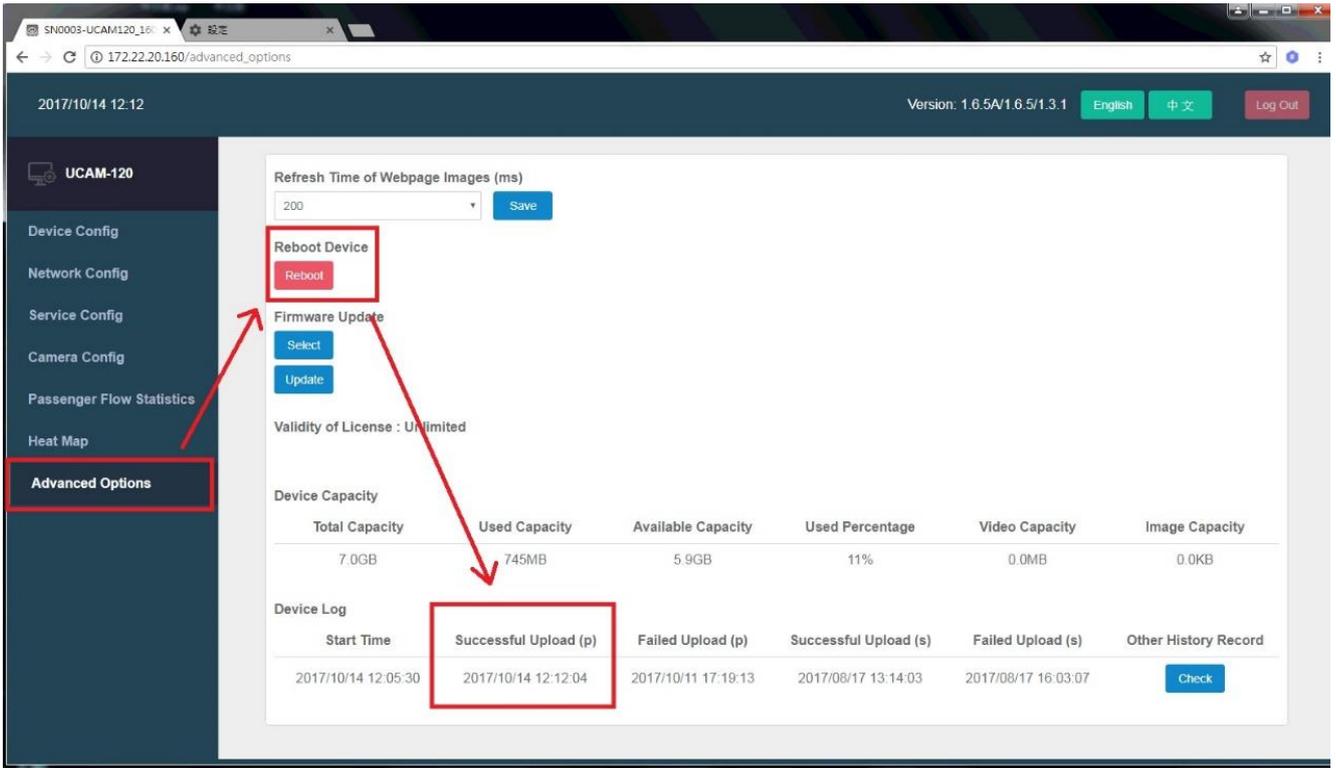


Figure-8

- The device status should be "Registered" in UShop+ Store Management, Figure-9.

Online	Taipei		UCAM-120	Store Data Input	Modify	Delete
Device Name	Device Status	Device Ip Addr	Device Type			
StoreA_Gate	Registered	0.0.0.0	SmartCam			

Figure-9

- Please contact your cloud operator to enable cloud service after local setup is finished.
- When service is activated, device status will change to "Online" after received first counting data Figure-10.

Online	Taipei		UCAM-120	Modify	Delete
Device Name	Device Status	Device Ip Addr	Device Type		
StoreA_Gate	Online	0.0.0.0	SmartCam		

Figure-10

7. Setup people counting rule

- Camera height from ground between 2.5M to 5M.
- In this case, the height is 2.8M, Figure-11.
- For the detail information of camera setting, please check Appendix II.

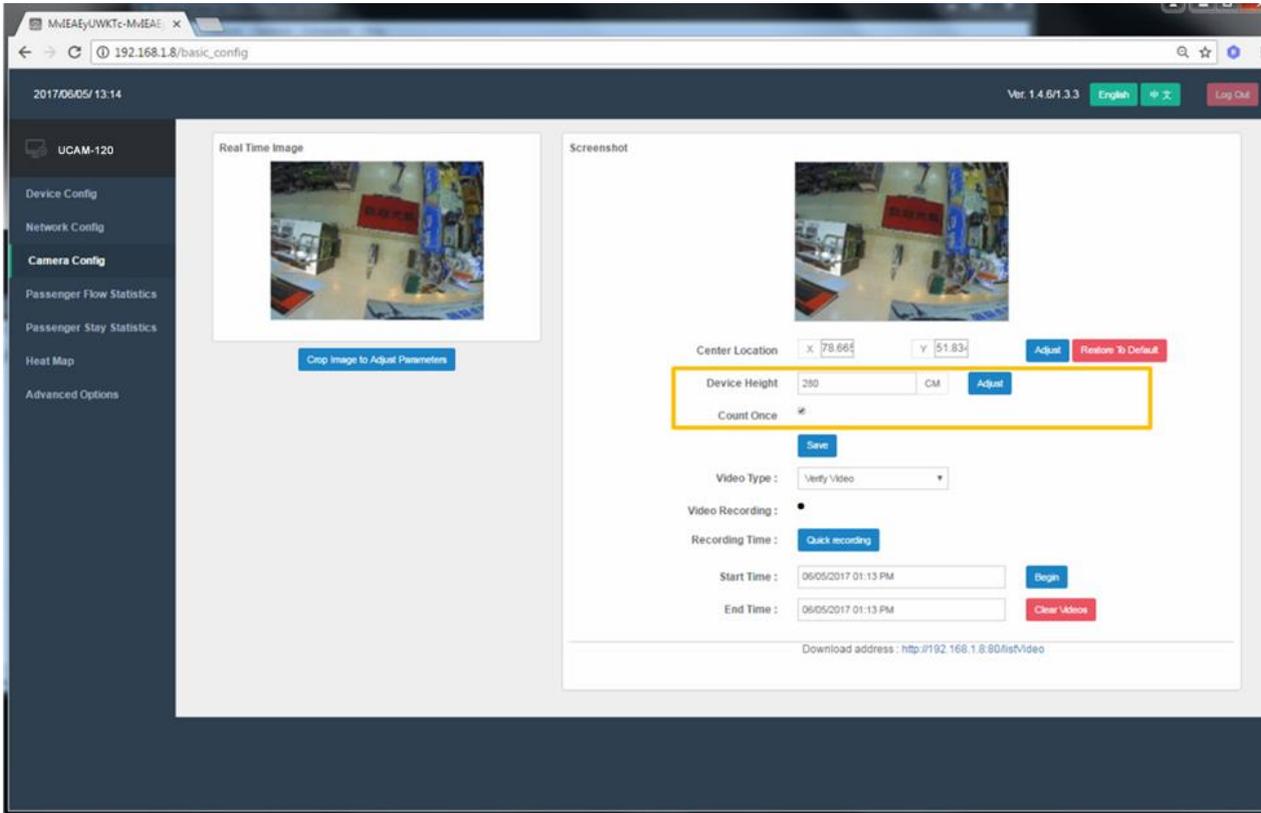


Figure-11

- Please make sure the sample is clear when crop image to adjust parameters, Figure-12, Figure-13.

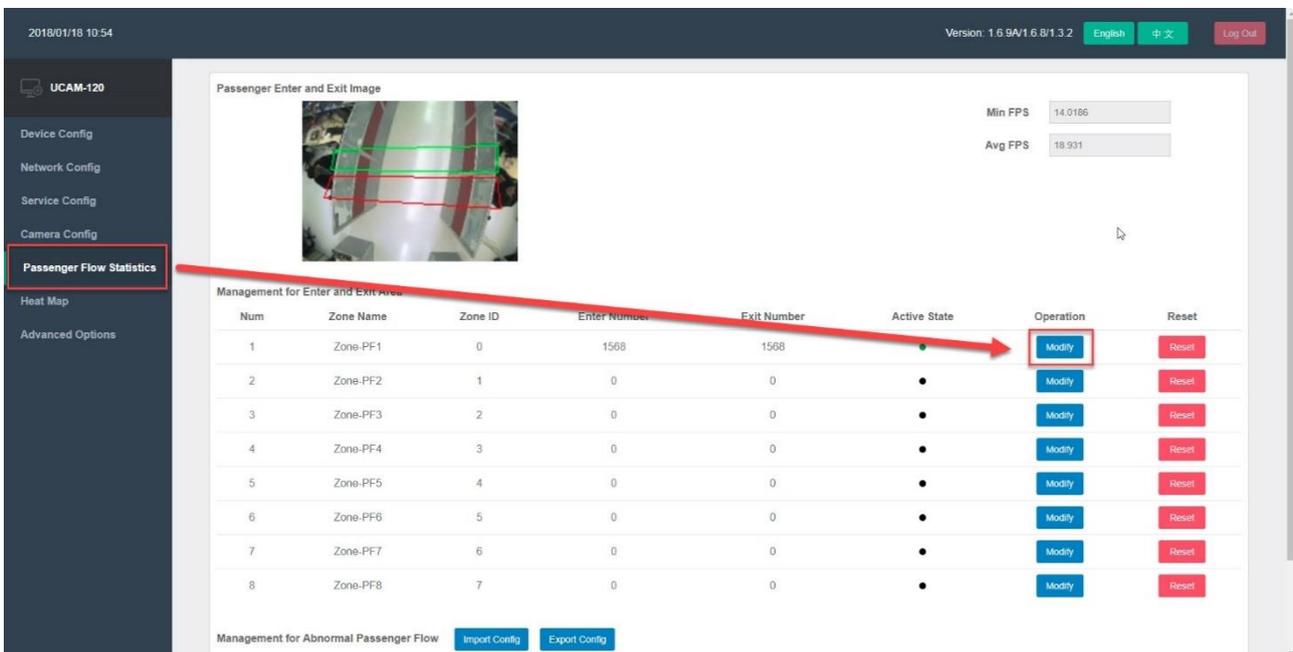


Figure-12

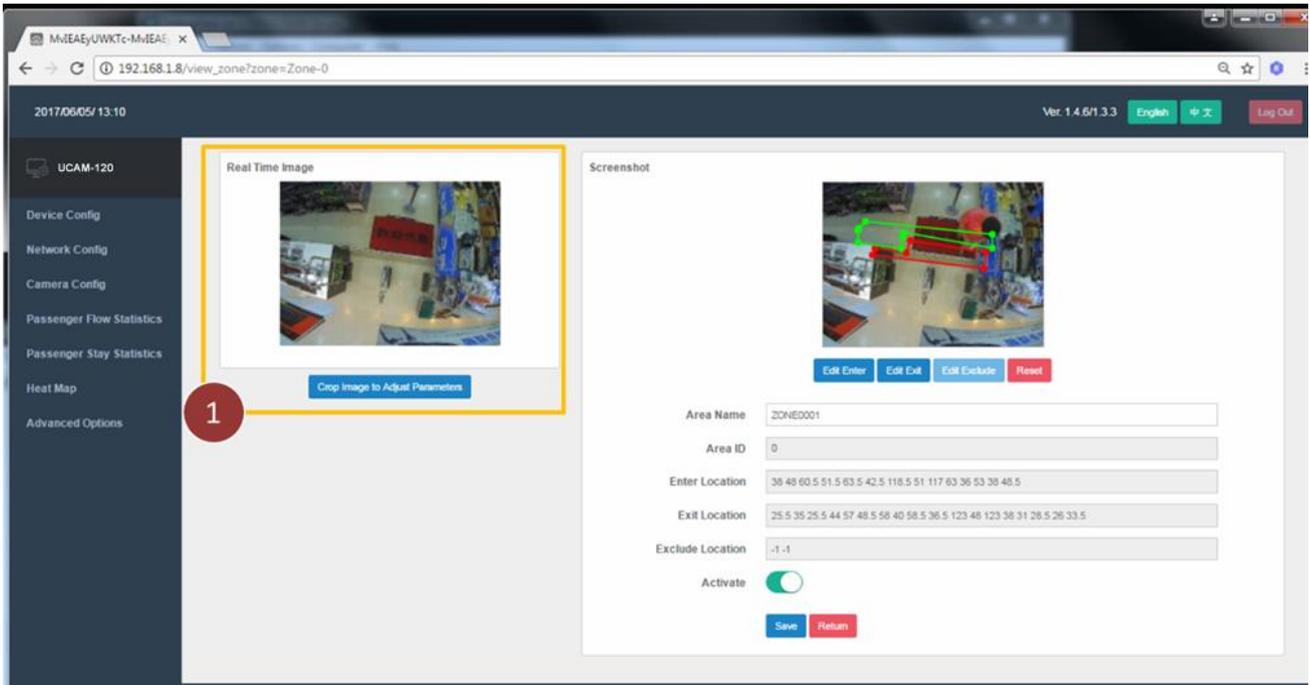


Figure-13

- Drawing enter and exist area, **make sure the areas are not overlapped**, Figure-14.
- The sensor **counts traffic in** when people **move from the Exit area into the Enter area** and **counts traffic out** when they **move from the Enter area into the Exit area**.

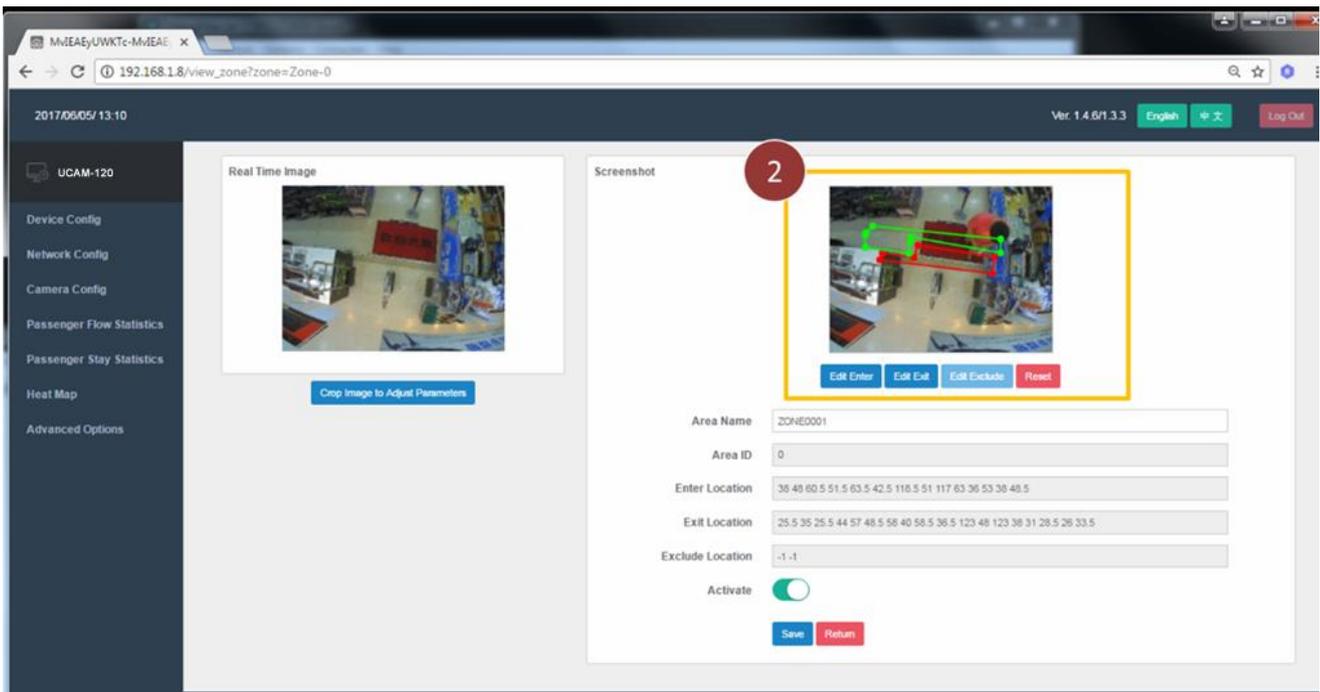


Figure-14

- Turning active switch on, then save it, Figure-15.

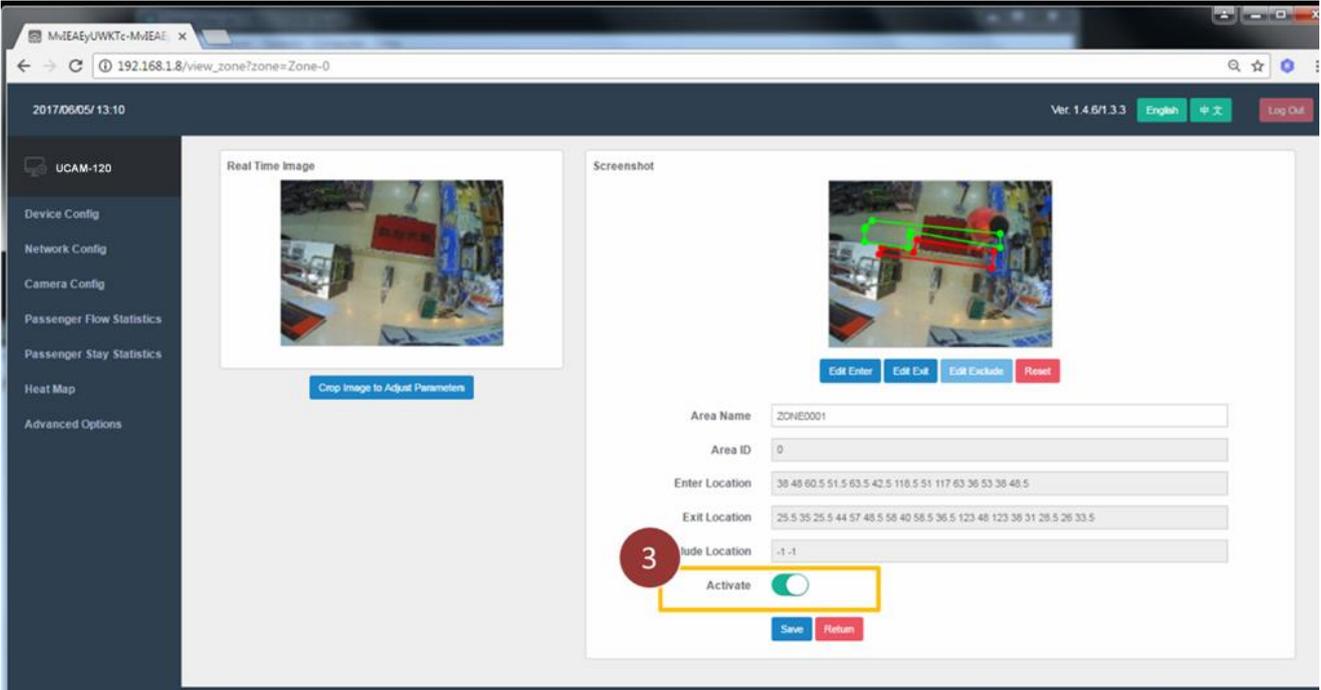


Figure-15

- You can review the enter and exit number when you save the screenshot tab, Figure-16

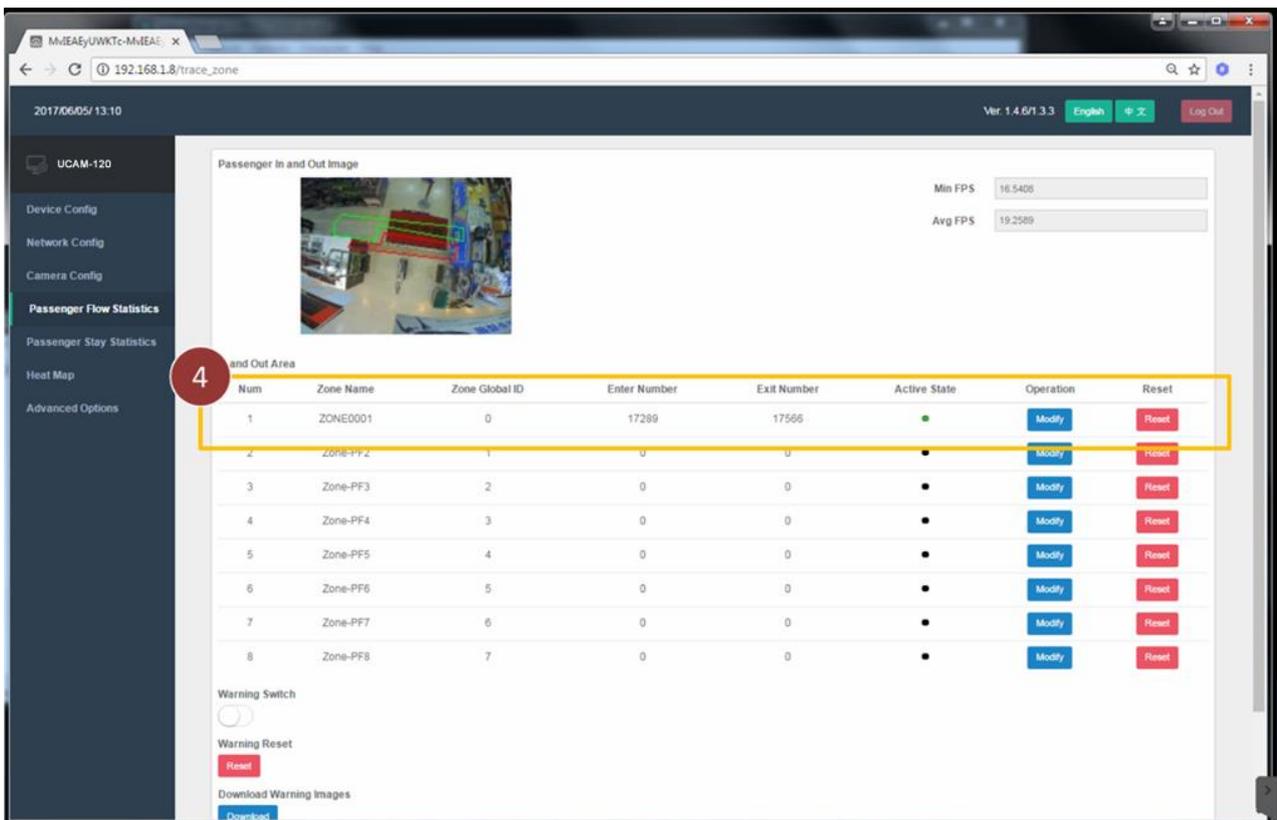
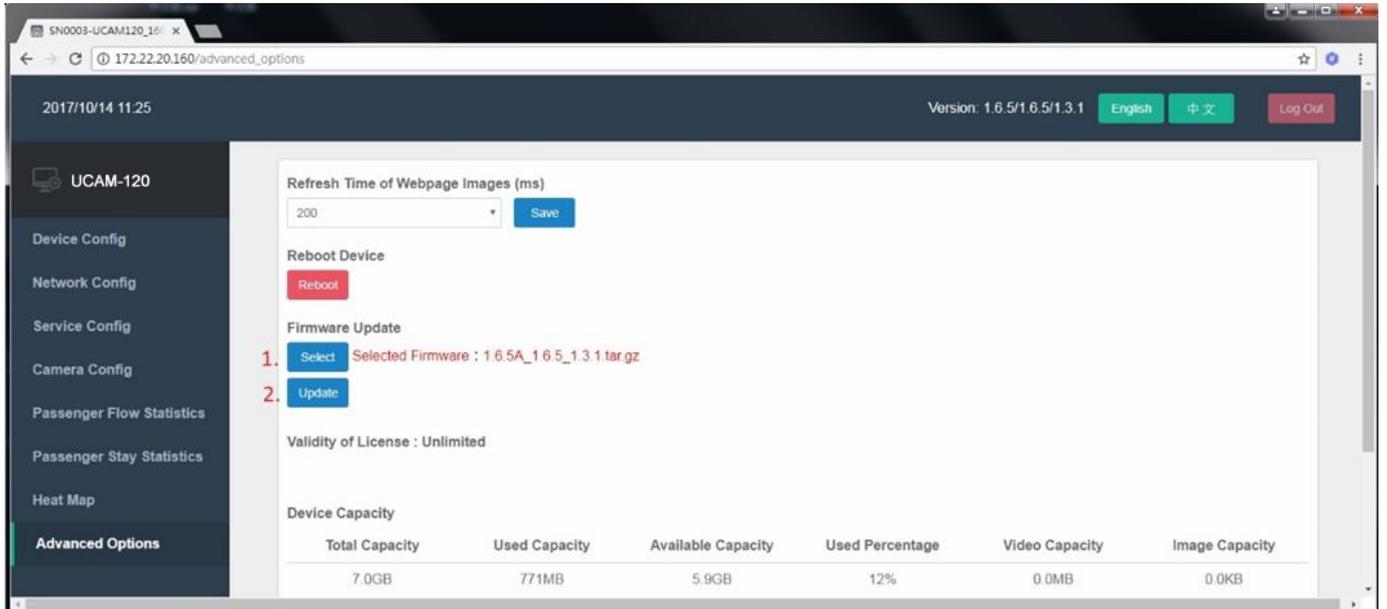


Figure-16

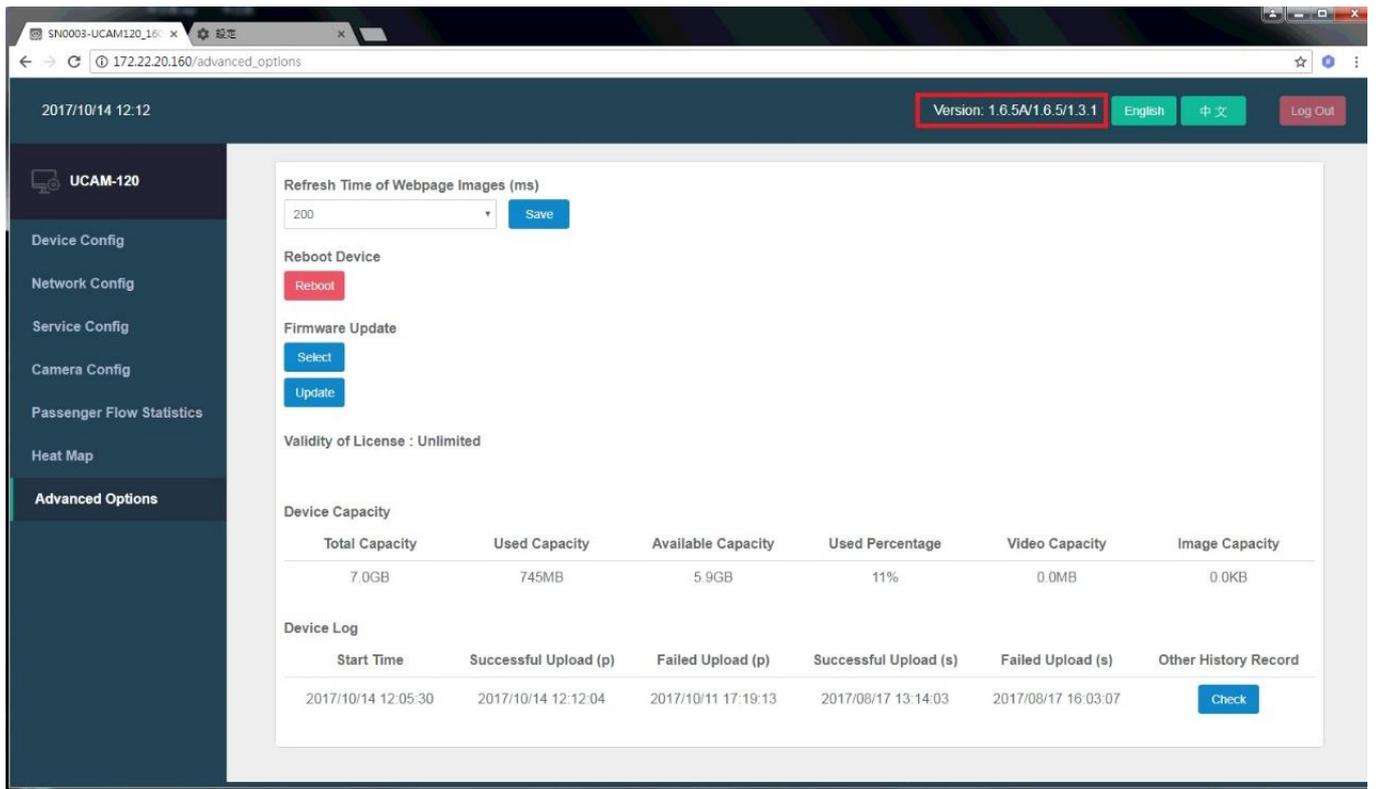
Appendix I

Update UCAM Firmware

1. Select new firmware file
2. Fire "Update" button

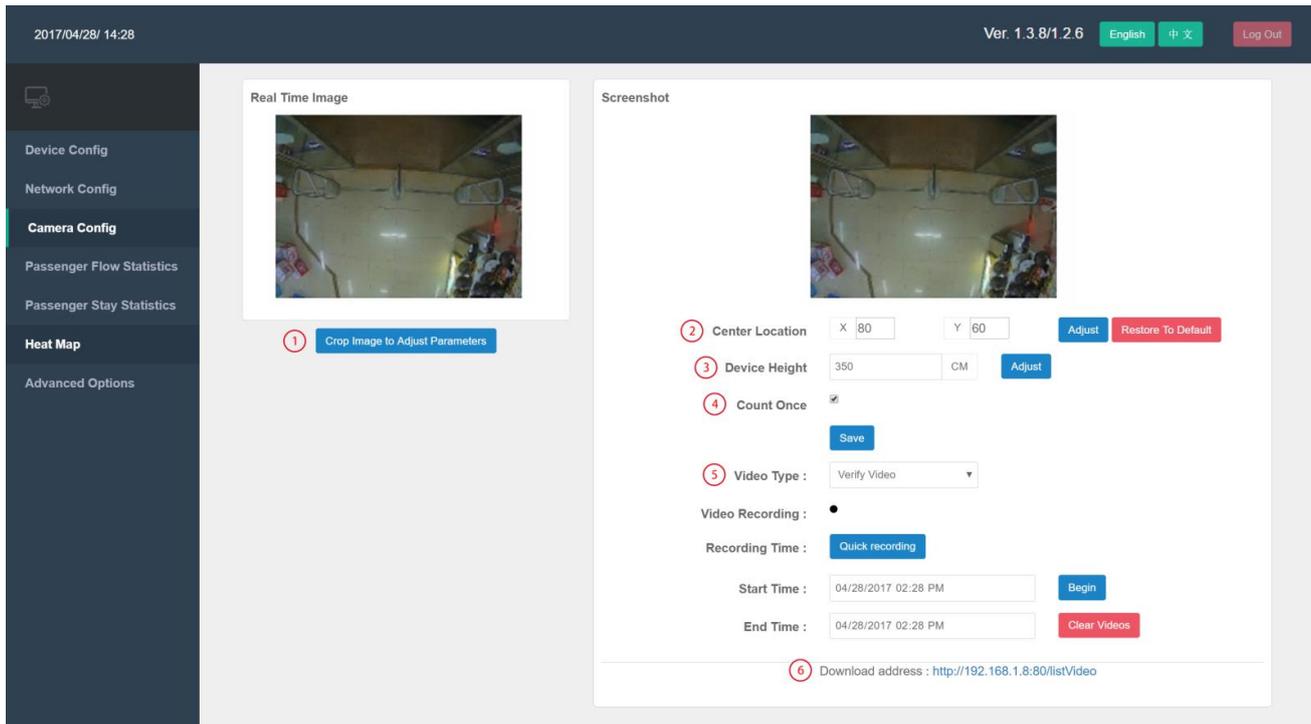


New version would be shown after update on right of top



Appendix II

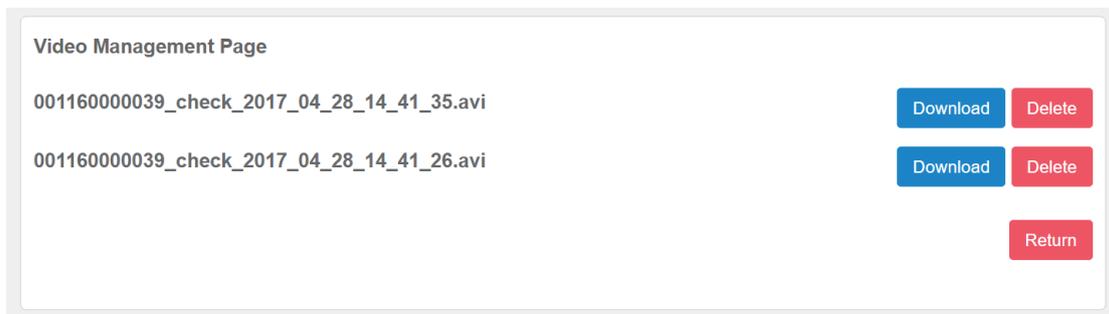
UCAM Camera Setting



- 1. Crop Image to Adjust Parameters:** Take a quick screenshot for adjusting parameters. By clicking the button, a snapshot image will appear on the right side.
- 2. Center Location:** Use the default settings (X: 80, Y: 60) when the sensor is installed horizontally. Click **[Adjust]** to relocate the center location on the screenshot when the sensor is installed with an angle (within 10 degrees). Make sure to click **[Save]** to turn the adjusting effective.
Restore to Default: Restore to default settings (X: 80, Y: 60).
- 3. Device Height:** Manually set the sensor height within the range of 250cm-500cm and based on the height of installation on site. Click **[Adjust]** to adjust the height value as set. Notice that a square will appear for facilitating proper height setting. If the square can rightly frame an adult, the height is set as proper. Decrease the height value when the square cannot frame an adult, increase otherwise. Make sure to click **[Save]** to store the adjusted height.



- Count Once:** This function is provided in order to set the sensor to only count people once if they cross over enter and exit areas multiple times while in the sensor field of view. If the count once box is not selected, a single person can cause multiple enter and exit counts if they stay in sensor field of view and cross over the enter and exit areas multiple times.
- Video Type:** Verify video and original video can be selected to record.
Video Recording: Showing recording status.
 - The sensor is not recording
 - The sensor is recording**[Quick Recording]:** Click the button to record a 10 minutes video clip immediately. This operation can be stopped by clicking **[Quick Stop]**.
Recording Time: Enter the recording start and end time.
Clear Videos: Clear all recorded videos in this sensor.
- Download Address:** all recorded videos can be downloaded or removed by clicking corresponding buttons as shown below.



Appendix III

UCAM trouble shooting

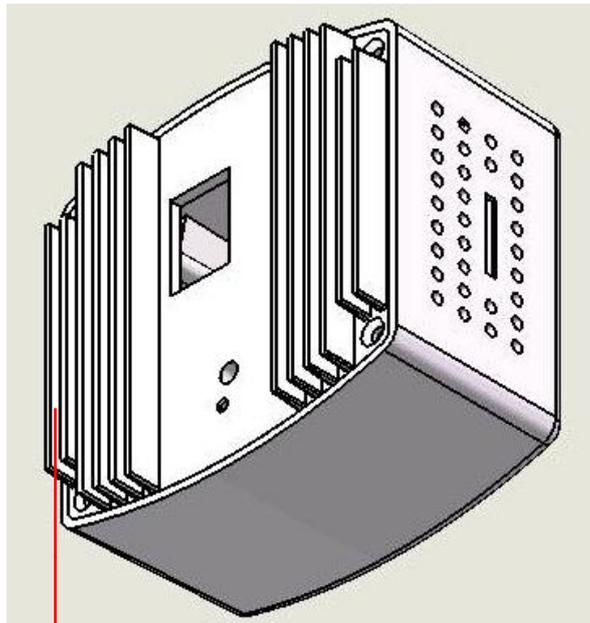
The UCAM Smart Camera can be diagnosed by observing its signal lights after being installed and configured through the web interface. There are three signal lights on the device. The signal light in the middle indicates different status of device with three colors: red, orange and green.

Color of Signal Lights	Indicators
Constant red	Device error, hardware problem
Flashing orange	Connectivity issue, unable to connect with the server
Flashing green	Functioning properly

Reset Device

The UCAM Smart Camera can be reset by pressing the **[Reset]** button located in the reverse side of device.

[Reset]: Use the end of a paper clip, pin or SIM eject tool to press the button no less than 10 seconds and then release, the device will be reset to factory default settings and reboot automatically. Make sure the device is powered on when you reset it.



Reset Button