Firmware Update Procedures

PTC-205

This document provides procedures for updating the PTC-205 4K 20x Tracking PTZ Camera.

Updating the PTC-205 Camera Firmware(VSOC V2.2.3 2026-4-27/ARM V1.1.3 2026-4-23 /AF V1.1.2 2026-4-3)

What items you should prepare before updating the firmware

- The latest PTC-205 firmware update zip file x1.

  The latest firmware zip file can be downloaded from the PTC-205 product page https://www.datavideo.com/product/PTC-205 of the Datavideo official website.

  After the downloaded firmware zip file is unzipped, you can see two firmware file.
  - **Camera SOC firmware file**: "D-PTC205_NDI_SY20X_V2.2.3_R_20260427.mrg".
  - **Camera ARM firmware file:** "PTC205_ARM_V1.1.3_20260423.mrg"

For PTC-205

- PTC-205 camera x 1
- 12V power adapter x 1
- Laptop or PC x 1
- Ethernet Cable x 2
- Router x 1

This document describes how to perform firmware update on a **Windows** computer.

System Connection Diagram

For PTC-205



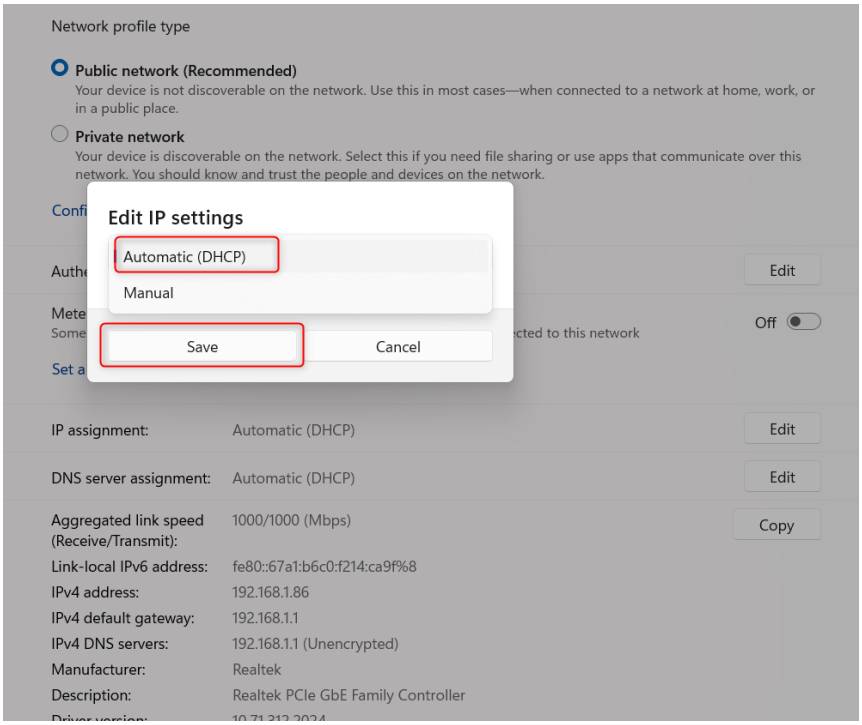
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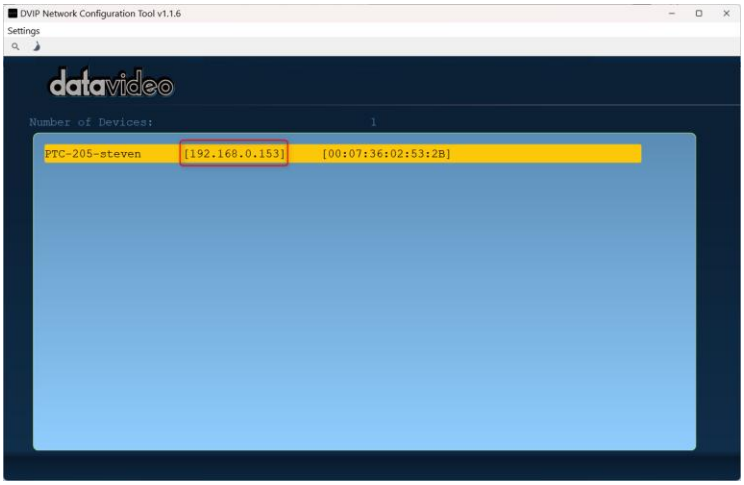
Checking the Firmware Version

1. Please connect your PTC-205 according to the diagram in the System Connection Diagram.
2. The factory default for the PTC-205 is in DHCP mode. So, please make sure that your laptop or PC is set in DHCP mode.



3. Please download Datavideo DVIP Network Configuration Tool from the product page of Datavideo official website https://www.datavideo.com/global/product/PTC-205 . After that, please use the DVIP Network Configuration Tool to find the DHCP IP address of your PTC-205. In this example, the DHCP IP address is 192.168.0.153.

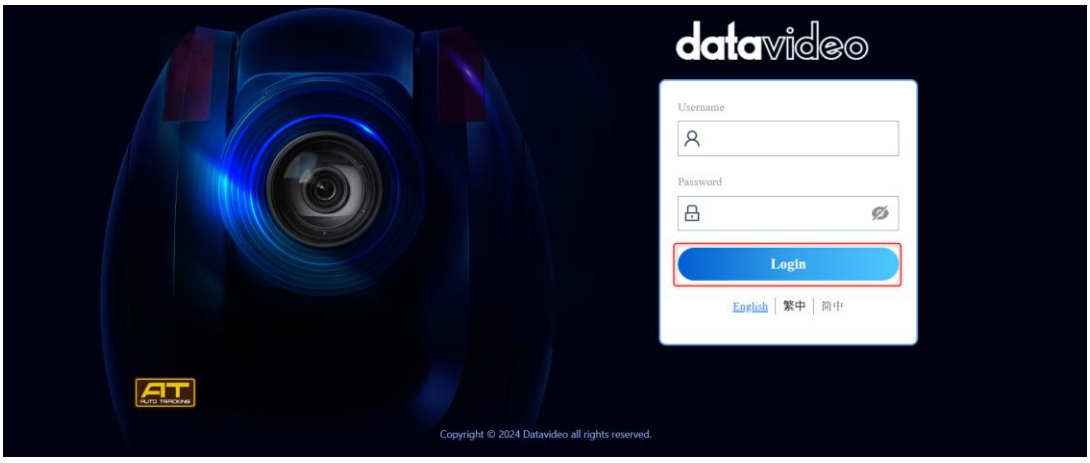




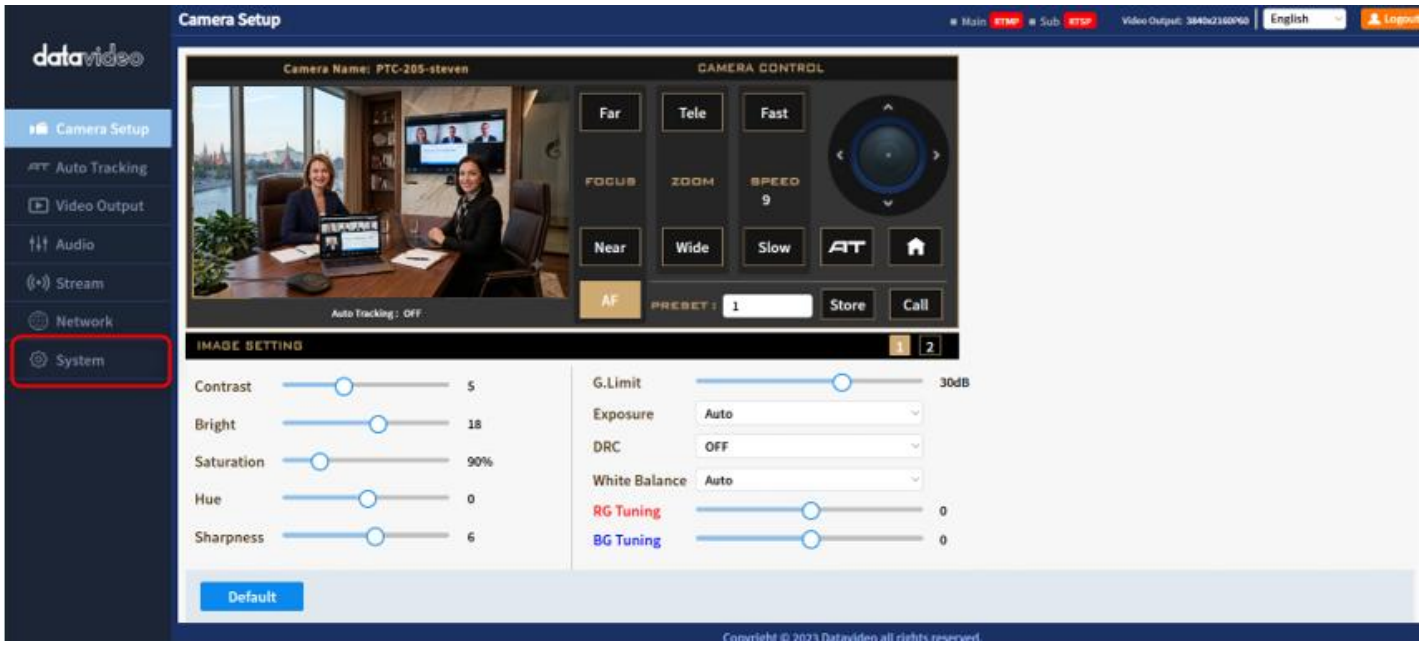
4. Please enter the detected DHCP IP address of your PTC-205 into the address bar of your web browser to open the PTC-205 web UI. After that, please enter the default “User Name” and “Password” to enter the web UI.

User Name: admin

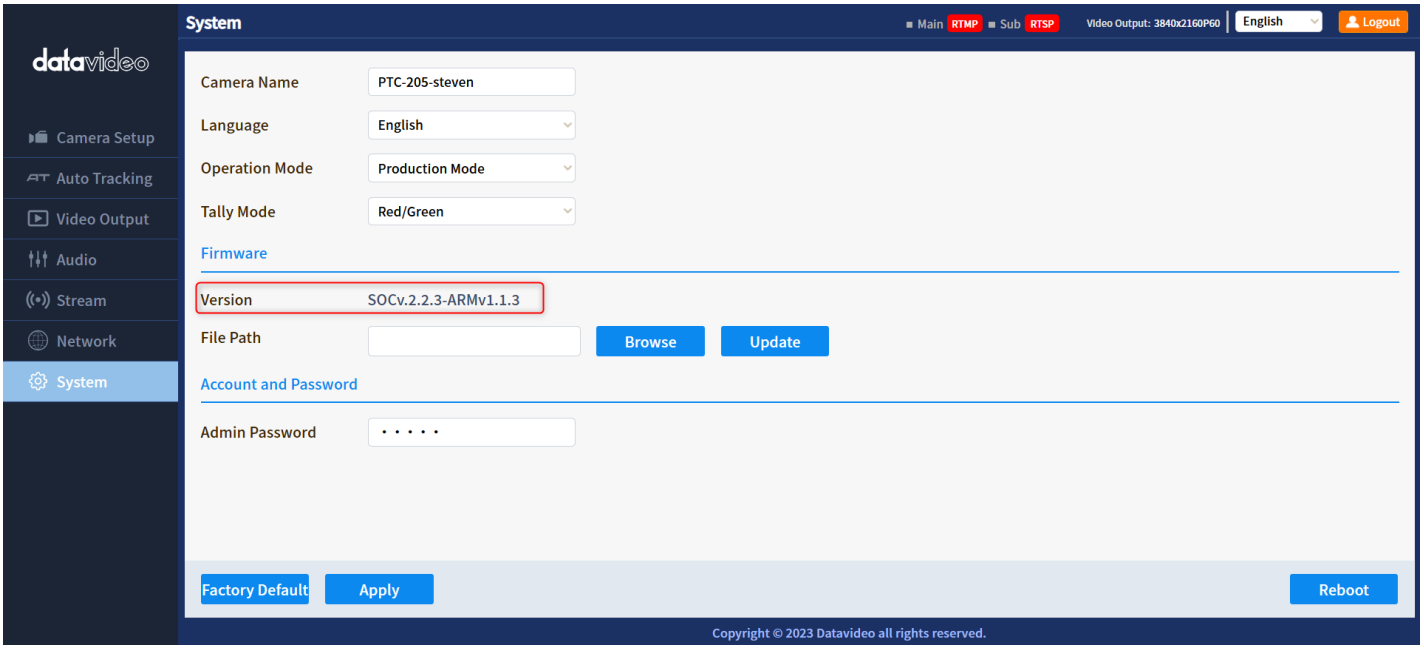
Password: admin



5. After that, you can see the main interface of the PTC-205 web UI which is shown in the following diagram. Please click the “System” option.



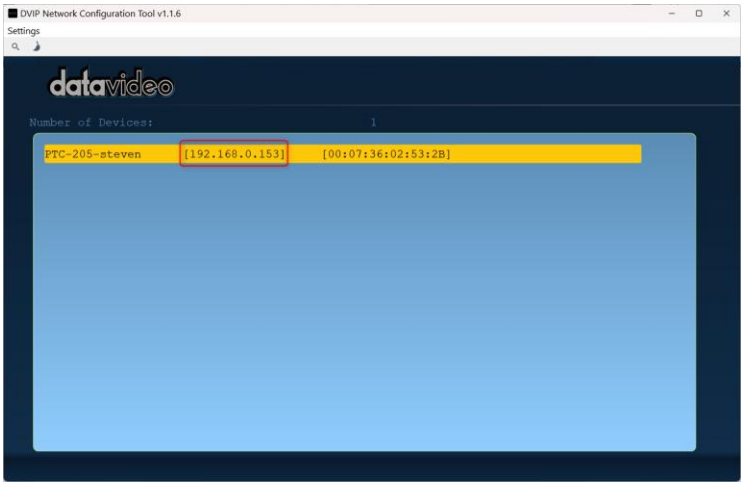
6. After entering into the “System” page, you can see the current firmware version which is shown in the following diagram.



Updating the Firmware-SOC

1. Before updating the firmware, please make sure that your PTC-205 is connected correctly according to the System Connection Diagram

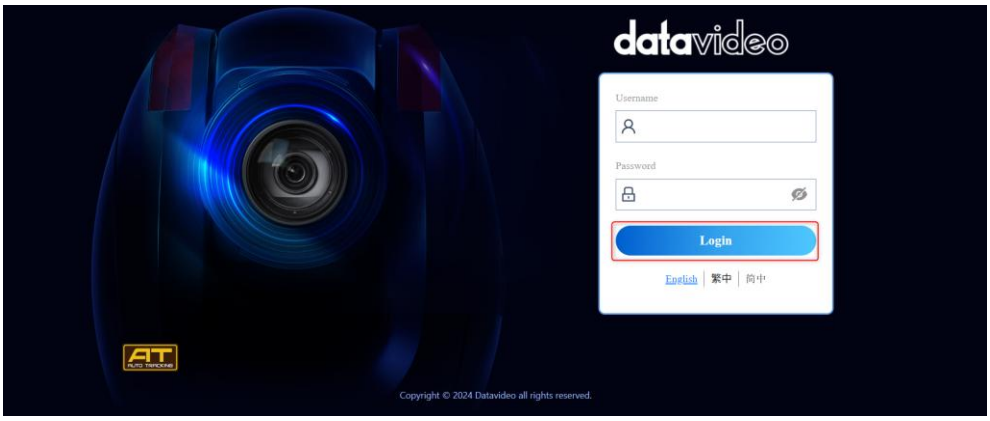
2. Please use the DVIP Network Configuration Tool to find the DHCP IP address of your PTC-205. The DVIP Configuration Tool can be downloaded from the product pages of the PTC-205 camera from Datavideo official website.



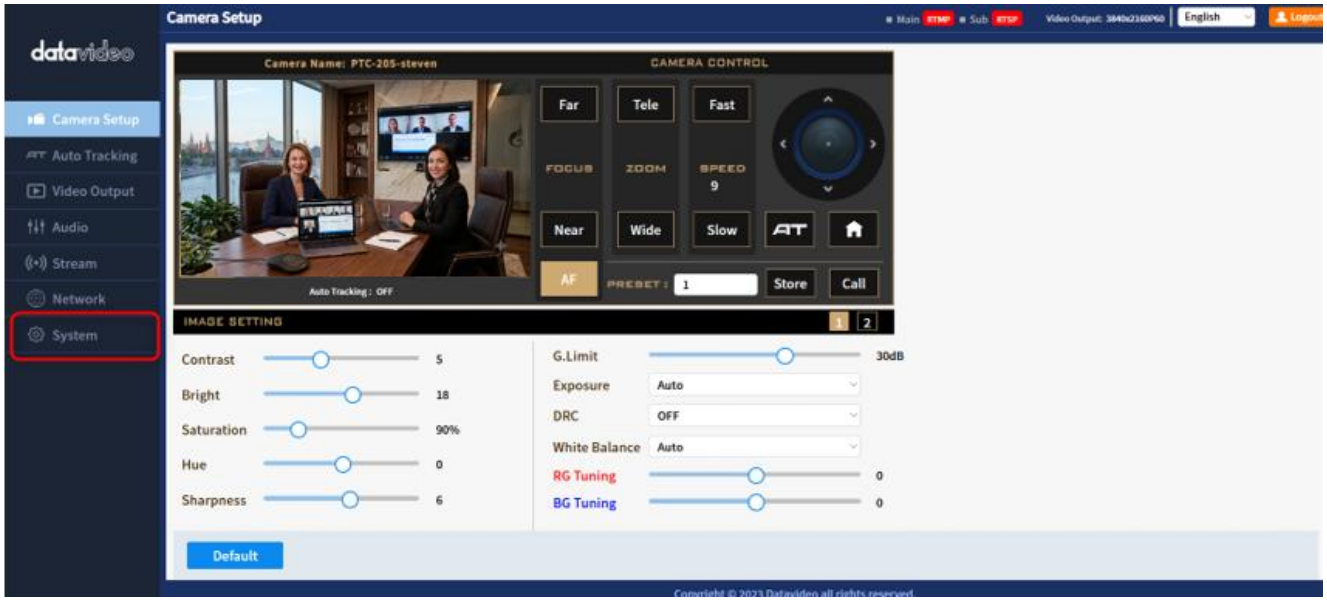
3. Please enter the detected DHCP IP address of your PTC-205 into the address bar of your web browser to open the PTC-205's web UI. After that, please enter the default "User Name" and "Password" to enter the web UI.

User Name: admin

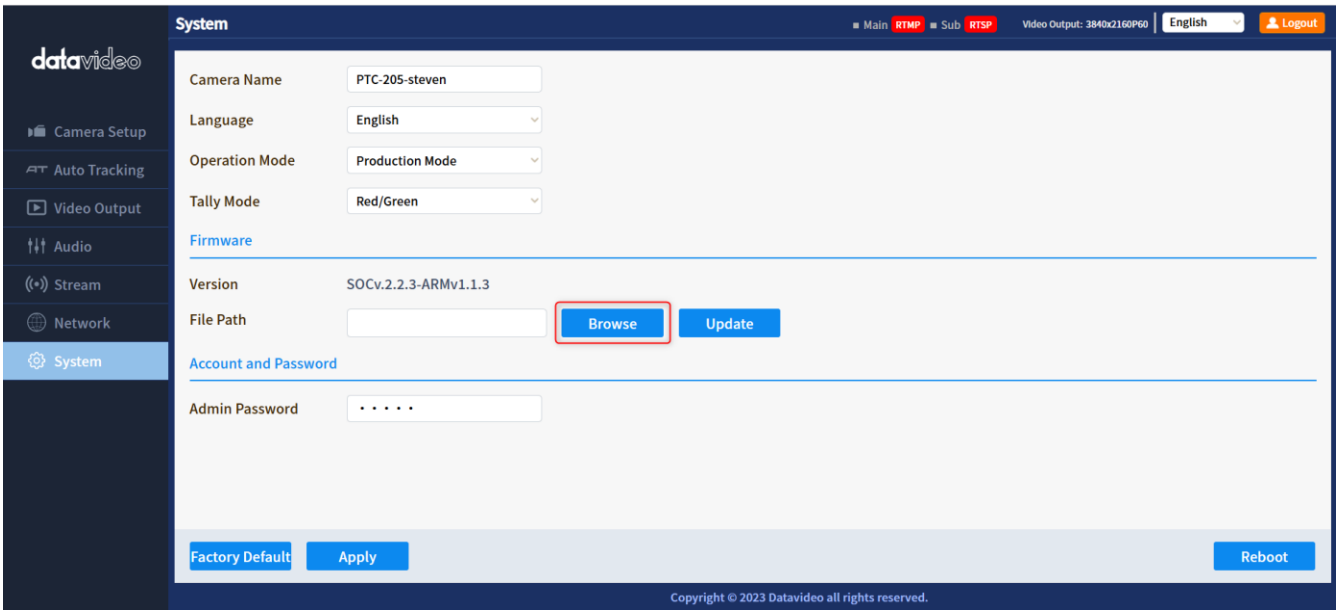
Password: admin

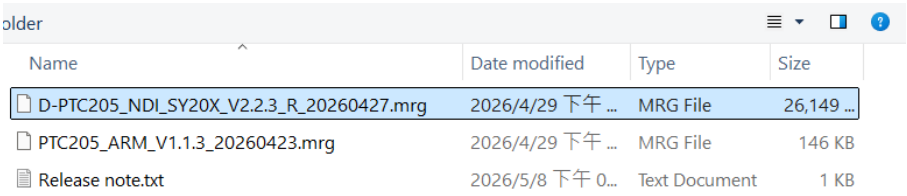


4. You can see the main interface of the PTC-205 Web UI which is shown in the following diagram. Please click the “System” option.



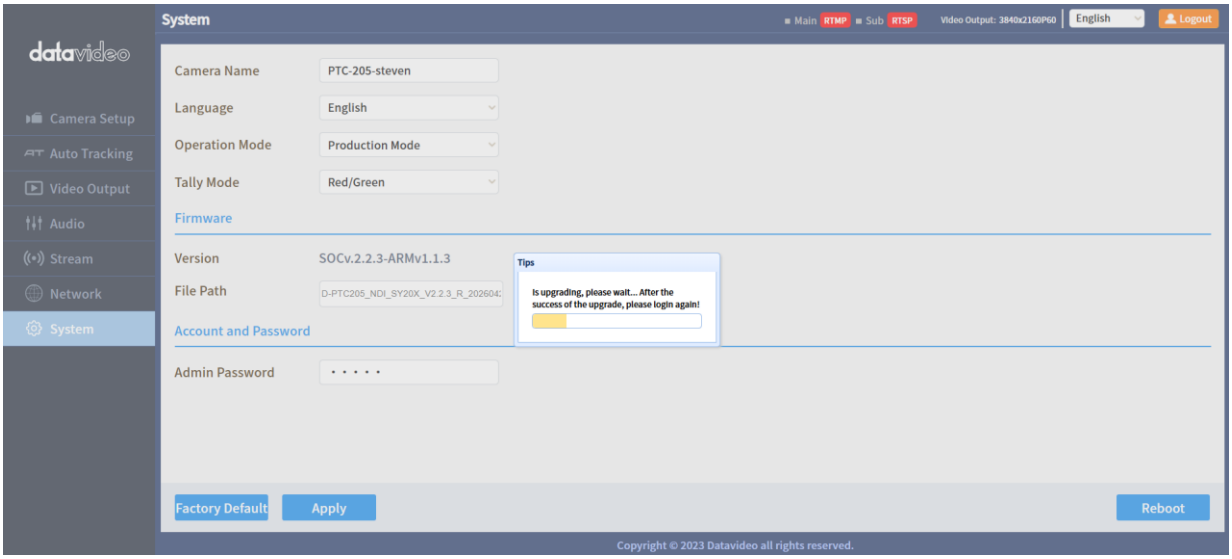
5. After entering the “System” page, please click the “Browse” button to select the latest downloaded and unzipped SOC firmware from your laptop or PC which is shown in the following diagram.



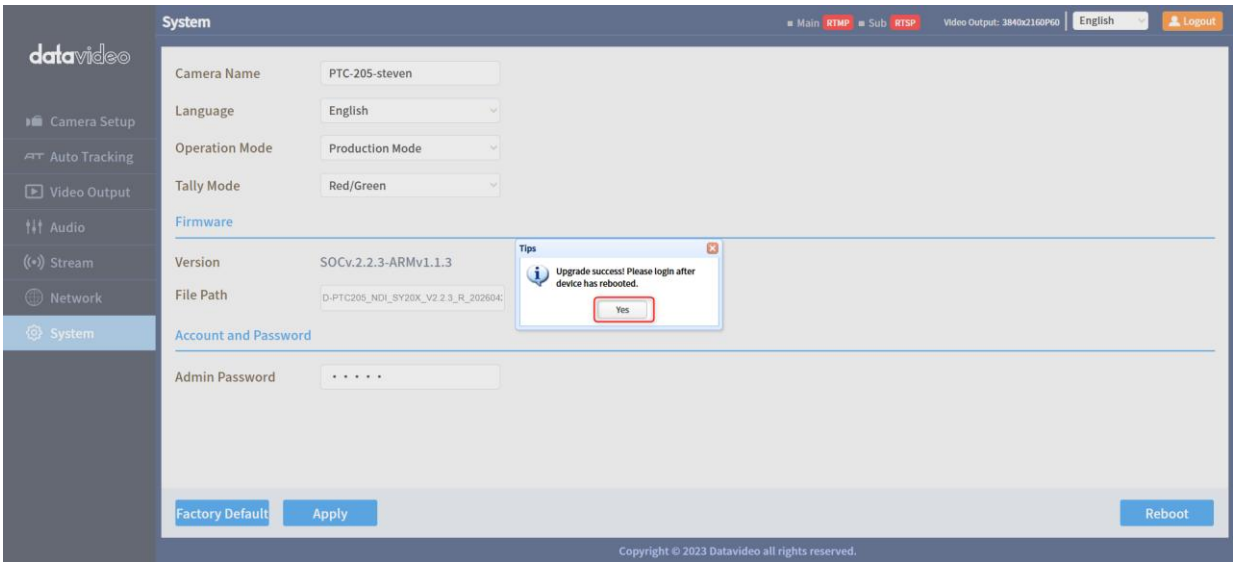




6. After the latest firmware is selected, please click the “Update” button, then the firmware update procedure will be started automatically.



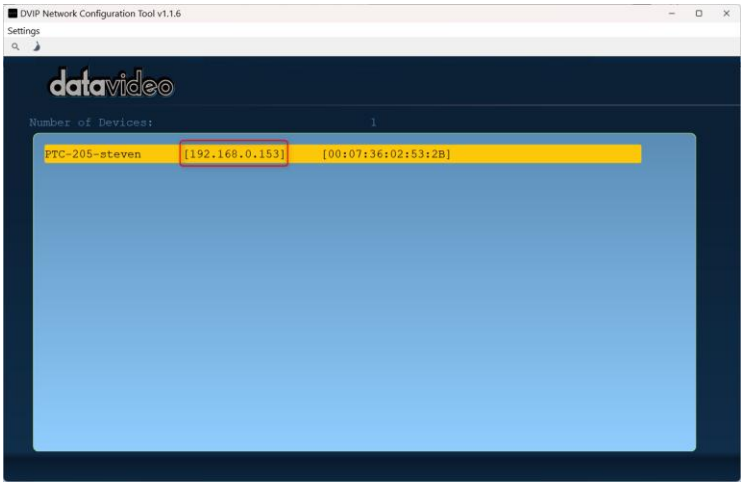
7. After the firmware update is done, the camera will reboot automatically and you will see a popup reminder. Please click “Yes” and then the SOC firmware is updated successfully.



Updating the Firmware-ARM

1. Before updating the firmware, please make sure that your PTC-205 is connected correctly according to the System Connection Diagram

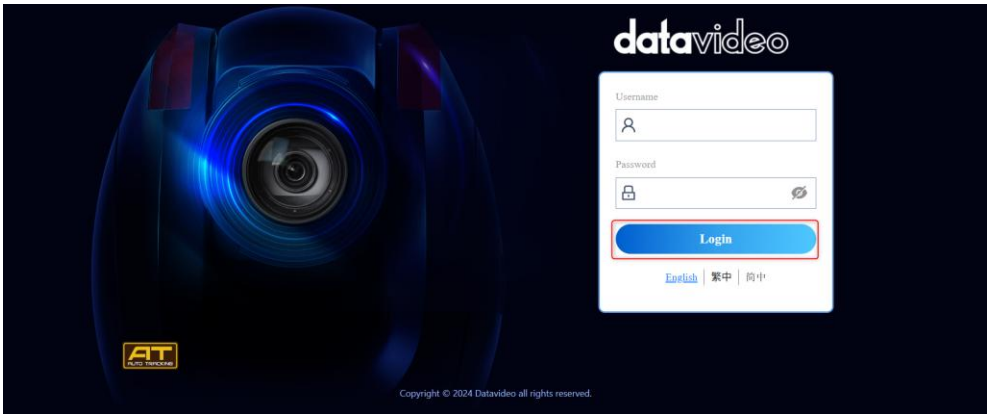
2. Please use the DVIP Network Configuration Tool to find the DHCP IP address of your PTC-205. The DVIP Configuration Tool can be downloaded from the product pages of the PTC-205 camera from Datavideo official website.



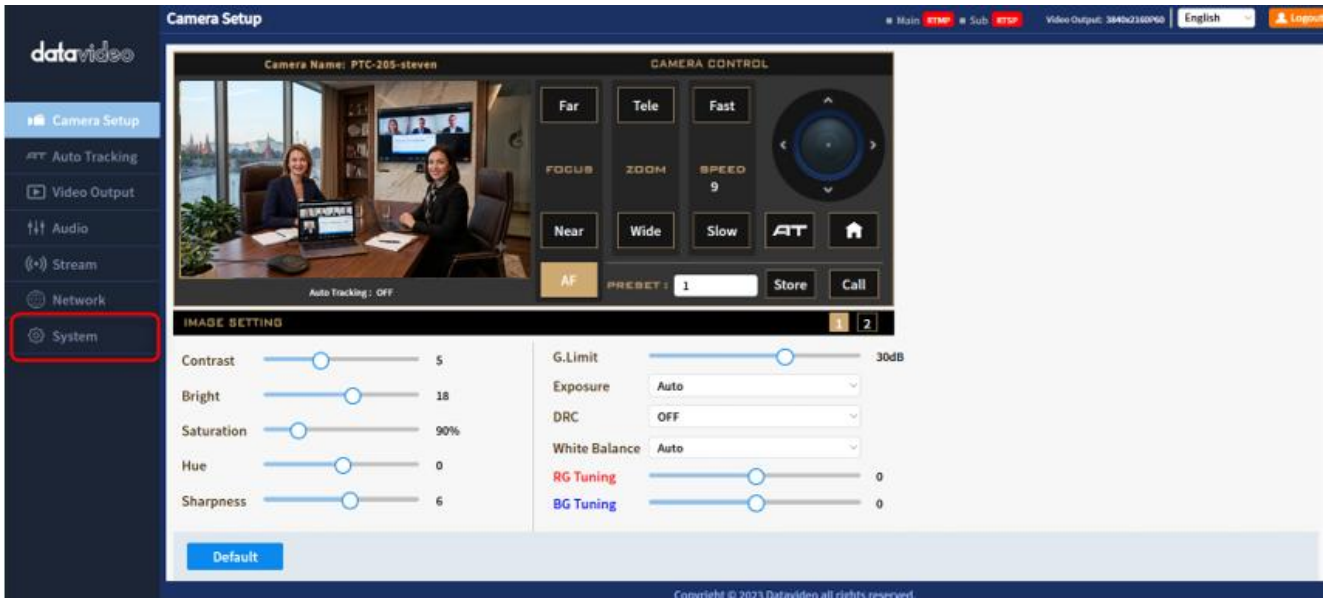
3. Please enter the detected DHCP IP address of your PTC-205 into the address bar of your web browser to open the PTC-205's web UI. After that, please enter the default "User Name" and "Password" to enter the web UI.

User Name: admin

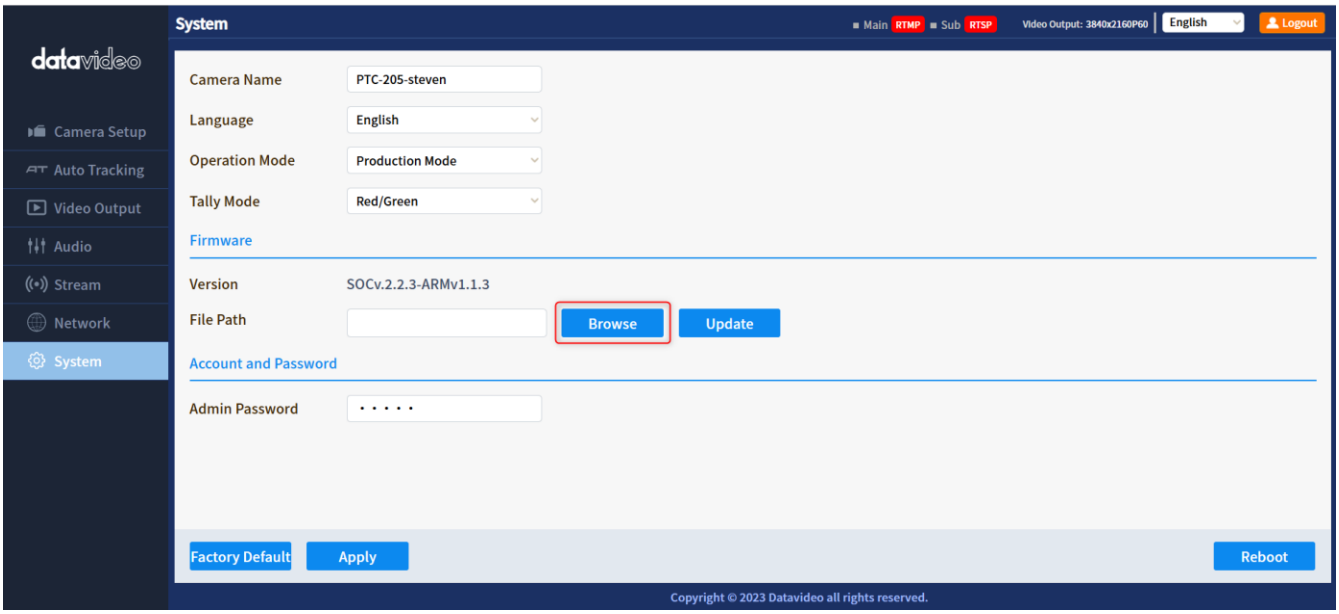
Password: admin

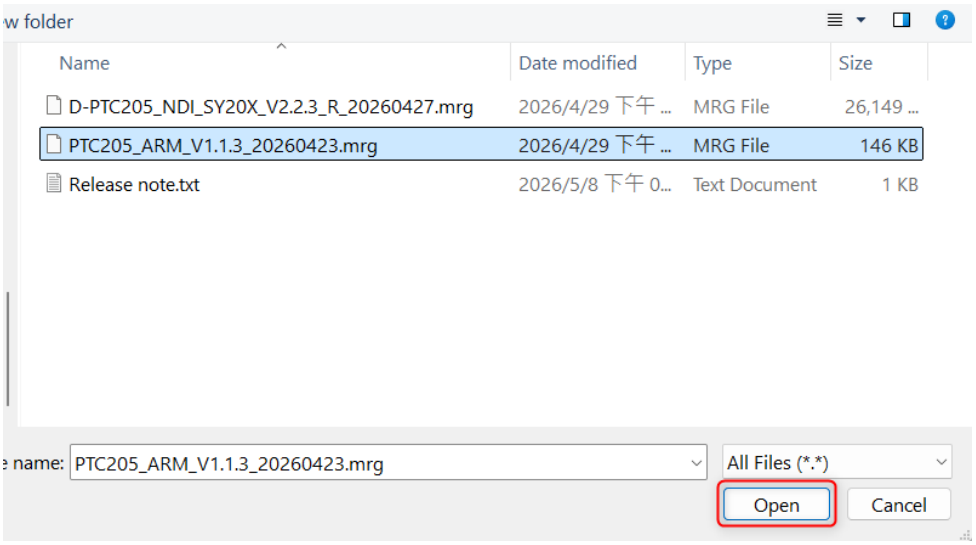


4. You can see the main interface of the PTC-205 Web UI which is shown in the following diagram. Please click the "System" option.

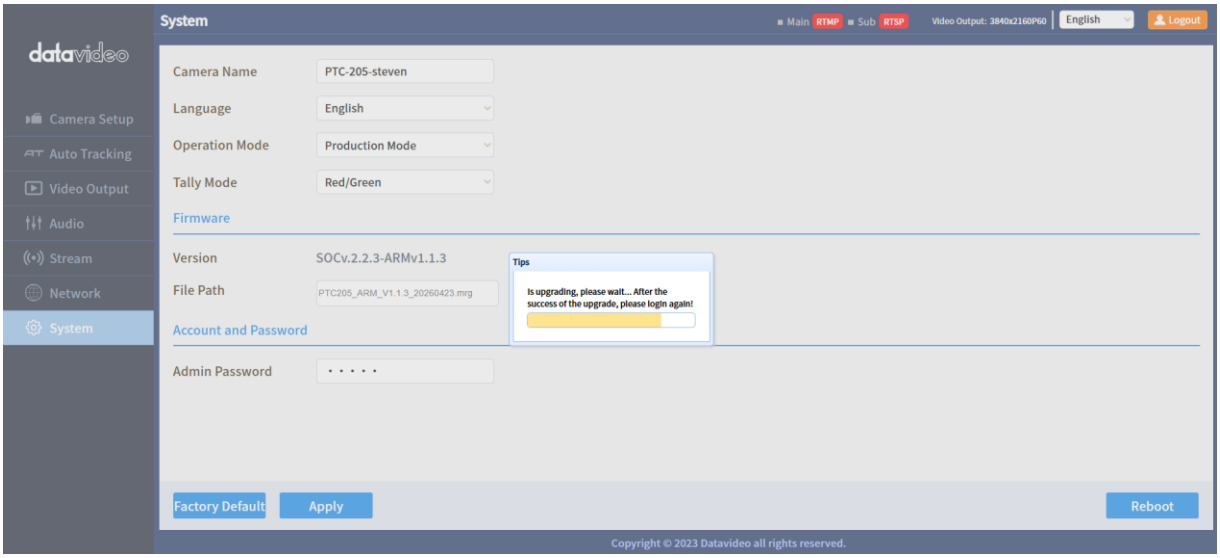


5. After entering the “System” page, please click the “Browse” button to select the latest downloaded and unzipped ARM firmware from your laptop or PC which is shown in the following diagram.





6. After the latest firmware is selected, please click the “Update” button, then the firmware update procedure will be started automatically.



7. After the firmware update is done, the camera will reboot automatically and you will see a popup reminder. Please click “Yes” and then the ARM firmware is updated successfully.

