

## Firmware Update Procedures

### PTC-600/PTC-600G

This document provides procedures for updating the PTC-600 4K 30x Tracking PTZ Camera and PTC-600G 4K 30x 12G Tracking PTZ Camera.

### Updating the PTC-600 & PTC-600G Camera Firmware (ARM V1.1.6/ SOC V1.3.15/ AF Version V1.0.7)

#### What items you should prepare before updating the firmware

- The latest PTC-600 or PTC-600G firmware update zip file x1.  
The latest firmware zip file can be downloaded from the PTC-600 or PTC-600G product page of the Datavideo official website
  - PTC-600: <https://www.datavideo.com/product/PTC-600>.
  - PTC-600G: <https://www.datavideo.com/product/PTC-600G>.After the downloaded firmware zip file is unzipped, you can see two firmware files.
  - **Camera SOC firmware files:** D-PTC600\_V1.3.15\_R\_20260702.mrg
  - **ARM firmware:** PTC600\_ARM\_V1.1.6\_20260622.mrg
- PTC-600 or PTC-600G 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

### PTC-600



### PTC-600G



## [Checking the Firmware Version](#)

Page 3

## [Before Updating the Firmware](#)

Page 7

## [Updating the SOC Firmware](#)

Page 10

## [Updating the ARM firmware](#)

Page 12

## **Checking the Firmware Version**

1. Please connect an RJ-45 Ethernet cable from the RJ-45 Ethernet interface of your PC or laptop to one LAN interface of your router.
2. Please connect an RJ-45 Ethernet cable from the “NDI HX3/DVIP/POE++/LAN” interface which is located on the rear panel of your PTC-600 or PTC-600G to another LAN interface of your router.
3. Please connect a DC 12V power adapter to your PTC-600 or PTC-600G camera.
4. The factory default of the PTC-600 or PTC-600G is DHCP mode. Please make sure that your laptop or PC is set in DHCP mode.

Network & internet > Ethernet

☒ **Public network (Recommended)**  
Your device is not discoverable on the network. Use this in most cases—when connected to a network at home, work, or in a public place.

☐ **Private network**  
Your device is discoverable on the network. Select this if you need file sharing or use apps that communicate over this network. You should know and trust the people and devices on the network.

[Configure firewall and security settings](#)

Authentication settings Edit

Metered connection Off  
Some apps might work differently to reduce data usage when you're connected to this network.

[Set a data limit to help control data usage on this network](#)

IP assignment: Automatic (DHCP) Edit

DNS server assignment: Automatic (DHCP) Edit

Aggregated link speed (Receive/Transmit): 1000/1000 (Mbps) Copy

Link-local IPv6 address: fe80::67a1:b6c0:f214:ca9f%8

IPv4 address: 192.168.1.86

IPv4 default gateway: 192.168.1.1

IPv4 DNS servers: 192.168.1.1 (Unencrypted)

Manufacturer: Realtek

Description: Realtek PCIe GbE Family Controller

Driver version: 10.71.312.2024

Physical address (MAC): D8:43:AE:7E:A7:D8

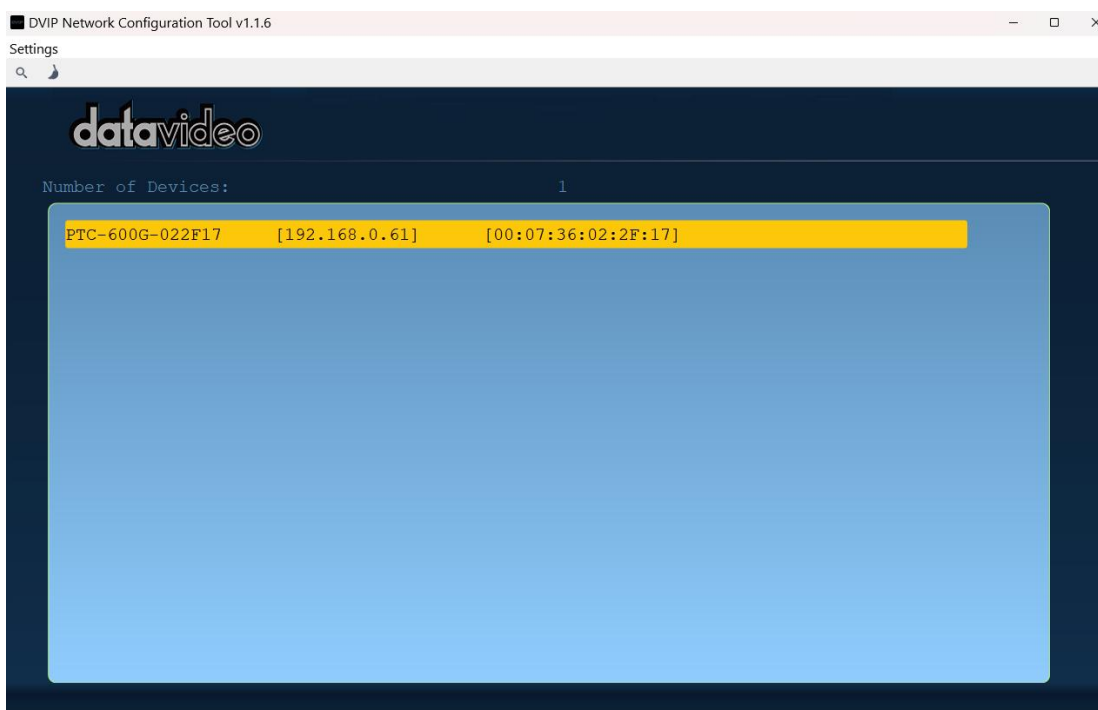
5. Please download “Datavideo Network Configuration Tool” from Datavideo official website’s PTC-600 or PTC-600G product page

- <https://www.datavideo.com/product/PTC-600>
- <https://www.datavideo.com/product/PTC-600G>

6. Please double-click the DVIP Network Configuration Tool to select your Ethernet Card, and then please click “OK”. In this section, we will use PTC-600G as an example.



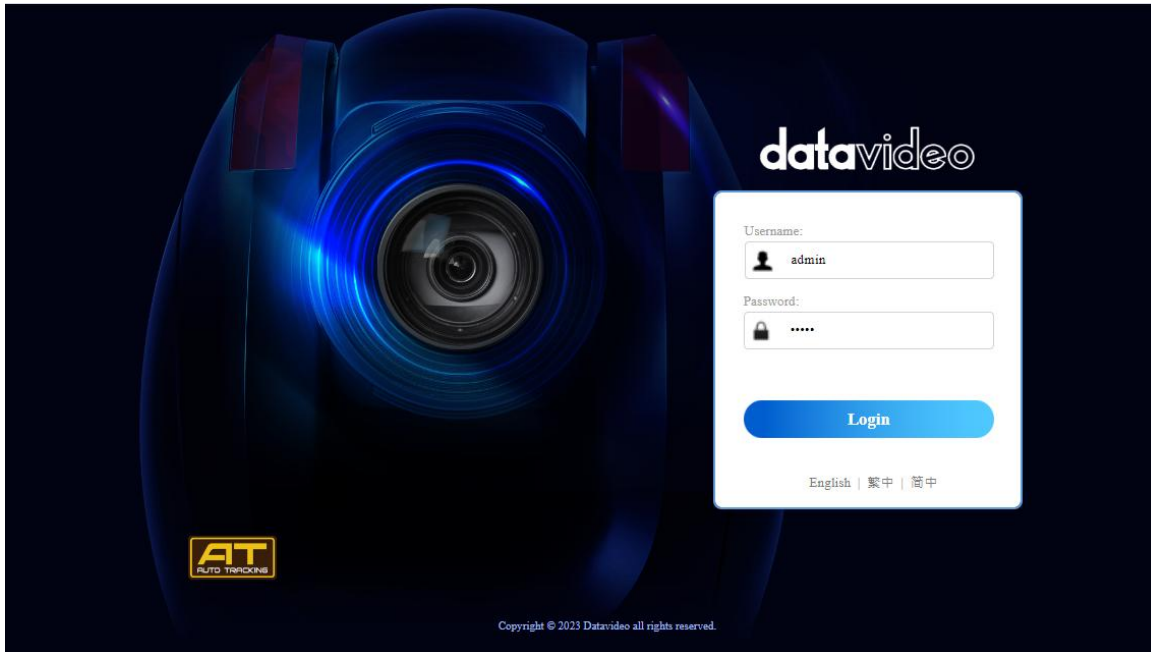
7 You can see the DHCP IP address of your PTC-600G. In this example, it is “192.168.0.61”.



8. After obtaining the IP address of your PTC-600 or PTC-600G, please enter the IP address in the address bar of your web browser. After that, you will see the login page of the PTC-600 or PTC-600G web UI. In this section, we will use PTC-600G as an example. Please enter the default User Name and Password for logging into the web UI.

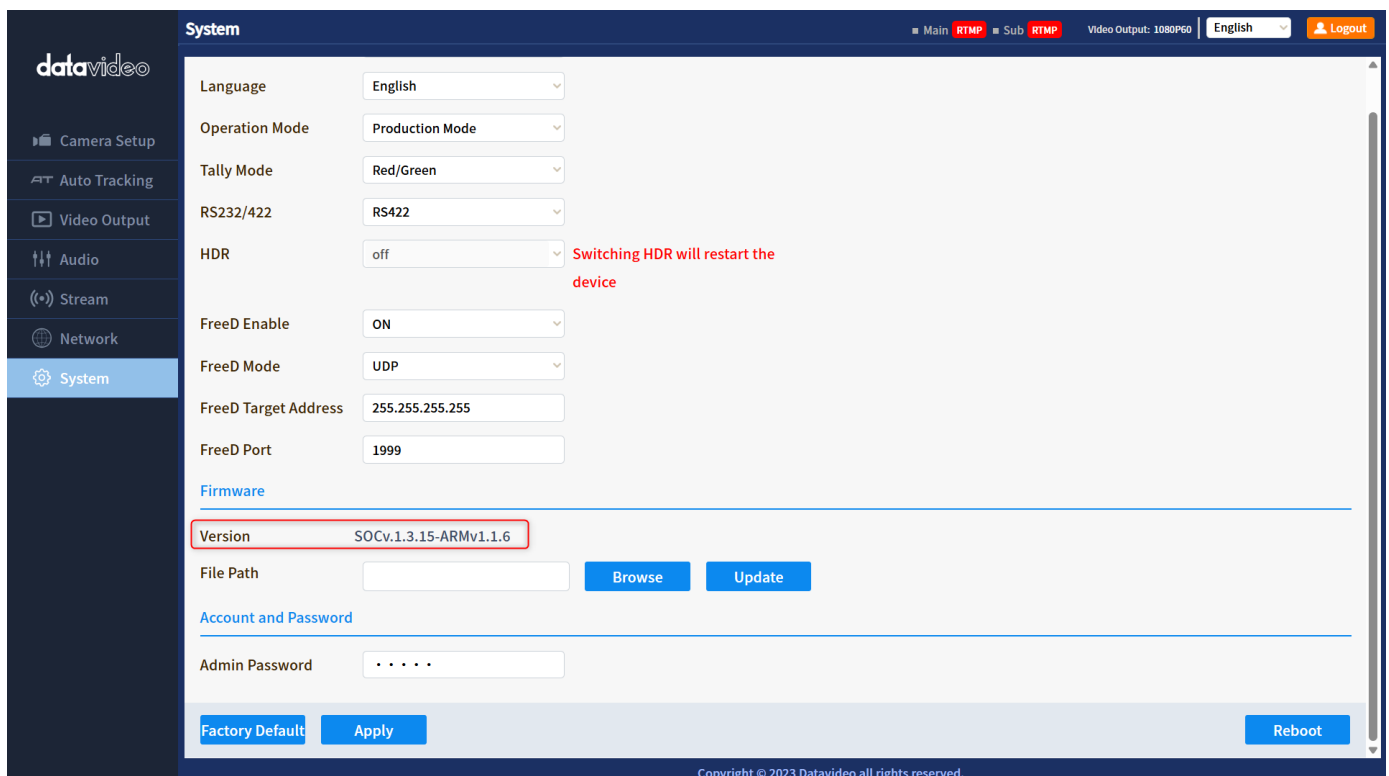
**Default User Name: admin**

**Default Password: admin**





9. Please press the “**System**” option to open the firmware update page. After that, you can see the current firmware version for your PTC-600G camera.



## **Before Updating the Firmware**

1. Please connect an RJ-45 Ethernet cable from the RJ-45 Ethernet interface of your PC or laptop to one LAN interface of your router.
2. Please connect an RJ-45 Ethernet cable from the “NDI HX3/DVIP/POE++/LAN” interface which is located on the rear panel of your PTC-600 or PTC-600G to another LAN interface of your router.
3. Please connect a DC 12V power adapter to your PTC-600 or PTC-600G camera.
4. The factory default of the PTC-600 or PTC-600G is the DHCP mode. Please make sure your laptop or PC is set in the DHCP mode.

Network & internet > Ethernet

☒ **Public network (Recommended)**  
Your device is not discoverable on the network. Use this in most cases—when connected to a network at home, work, or in a public place.

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Authentication settings Edit

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[Set a data limit to help control data usage on this network](#)

IP assignment: Automatic (DHCP) Edit

DNS server assignment: Automatic (DHCP) Edit

Aggregated link speed (Receive/Transmit): 1000/1000 (Mbps) Copy

Link-local IPv6 address: fe80::67a1:b6c0:f214:ca9f%8

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Manufacturer: Realtek

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Driver version: 10.71.312.2024

Physical address (MAC): D8:43:AE:7E:A7:D8

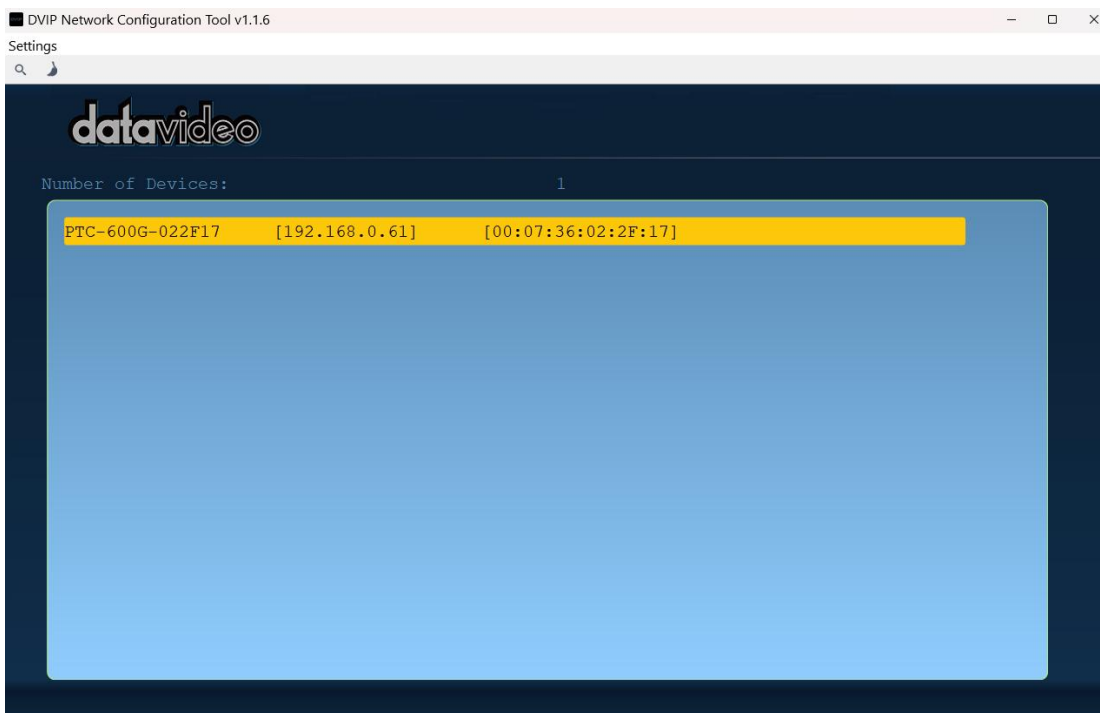
5. Please download “Datavideo Network Configuration Tool” from Datavideo official website’s PTC-600 or PTC-600G

- product page: <https://www.datavideo.com/product/PTC-600>
- product page: <https://www.datavideo.com/product/PTC-600G>

6. Please double-click the DVIP Network Configuration Tool to select your Ethernet Card, and then please click “OK”.



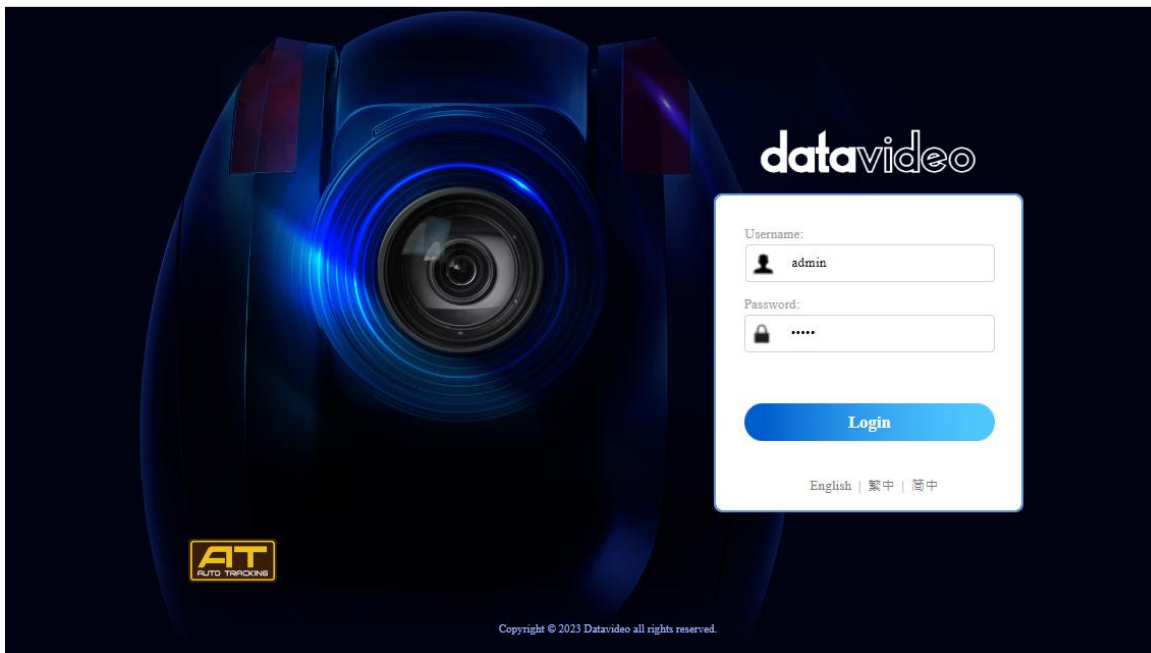
7 You can see the DHCP IP address of your PTC-600G. In this example, it is “192.168.0.61”.



8. After obtaining the IP address of your PTC-600 or PTC-600G, please enter the IP address in the address bar of your web browser. After that, you will see the login page of the PTC-600G web UI. Please enter the default User Name and Password for logging into the web UI.

**Default User Name: admin**

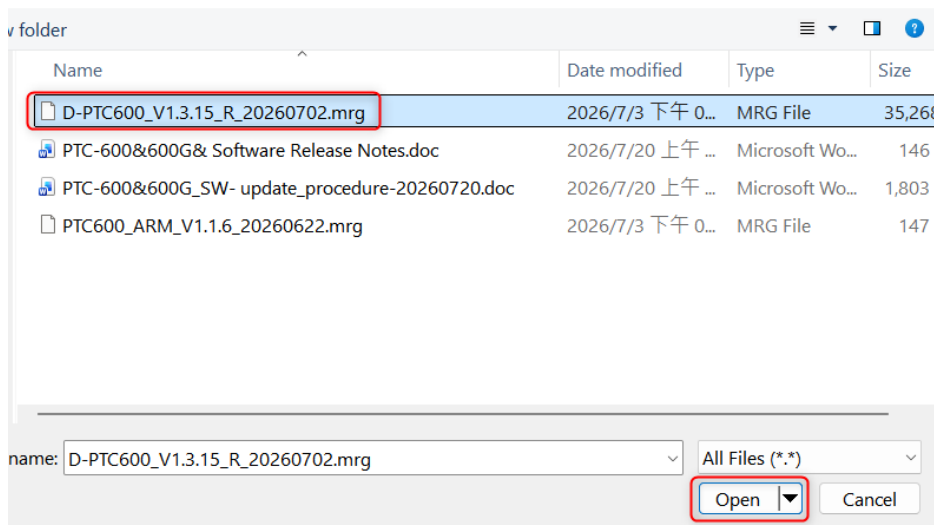
**Default Password: admin**



## Updating the SOC Firmware

1. Please make sure the downloaded firmware is unzipped. After that, please press the **System-> Browse** to select the SOC firmware file. We will take “D-PTC600\_V1.3.15\_R\_20260702.mrg” as an example in this section.

The screenshot shows the DataVideo System configuration page. The 'System' tab is active. Under the 'Firmware' section, the 'File Path' field is empty, and the 'Browse' button is highlighted with a red box. Other settings like Camera Name, Language, and FreeD are visible.



2. Please press the “Update” button, and then the firmware update procedure for the SOC will be started automatically.

3. After the SOC firmware update is done successfully, the PTC-600 or PTC-600G will reboot automatically. After the rebooting is done, please press the “Yes” button and then login to the PTC-600 or PTC-600G Web UI again. After that, the whole SOC firmware update procedure is done successfully.

The screenshot shows the 'System' configuration page in the DataVideo web interface. The 'Firmware' section is active, displaying the current version 'SOCv.1.3.15-ARMv1.1.6' and the file path 'D:\PTC600\_V1.3.15\_R\_20260702.mrg'. A 'Tip' dialog box is overlaid in the center, indicating a successful upgrade and advising the user to log in after a reboot. The 'Browse' and 'Update' buttons are visible next to the file path.

## Updating the ARM Firmware

1. Please make sure the downloaded firmware is unzipped. After that, please press the **System-> Browse** to select the ARM firmware file. We will use “PTC600\_ARM\_V1.1.6\_20260622.mrg” as an example in this section.

This screenshot shows the same 'System' configuration page, but with the 'Browse' button in the 'Firmware' section highlighted with a red box. This indicates the next step in the process: selecting the firmware file. The 'File Path' field now shows 'D:\PTC600\_V1.3.15\_R\_20260702.mrg'.

Folder

| Name                                           | Date modified    | Type            | Size   |
|------------------------------------------------|------------------|-----------------|--------|
| D-PTC600_V1.3.15_R_20260702.mrg                | 2026/7/3 下午 0... | MRG File        | 35,266 |
| PTC-600&600G& Software Release Notes.doc       | 2026/7/20 上午 ... | Microsoft Wo... | 146    |
| PTC-600&600G_SW- update_procedure-20260720.doc | 2026/7/20 上午 ... | Microsoft Wo... | 1,803  |
| PTC600_ARM_V1.1.6_20260622.mrg                 | 2026/7/3 下午 0... | MRG File        | 147    |

name: PTC600\_ARM\_V1.1.6\_20260622.mrg

All Files (\*.\*)

Open Cancel

**System**

Camera Name: PTC-600G-02F17

Language: English

Operation Mode: Production Mode

Tally Mode: Red/Green

RS232/422: RS422

HDR: off Switching HDR will restart the device

FreeD Enable: ON

FreeD Mode: UDP

FreeD Target Address: 255.255.255.255

FreeD Port: 1999

**Firmware**

Version: SOCv.1.3.15-ARMv1.1.6

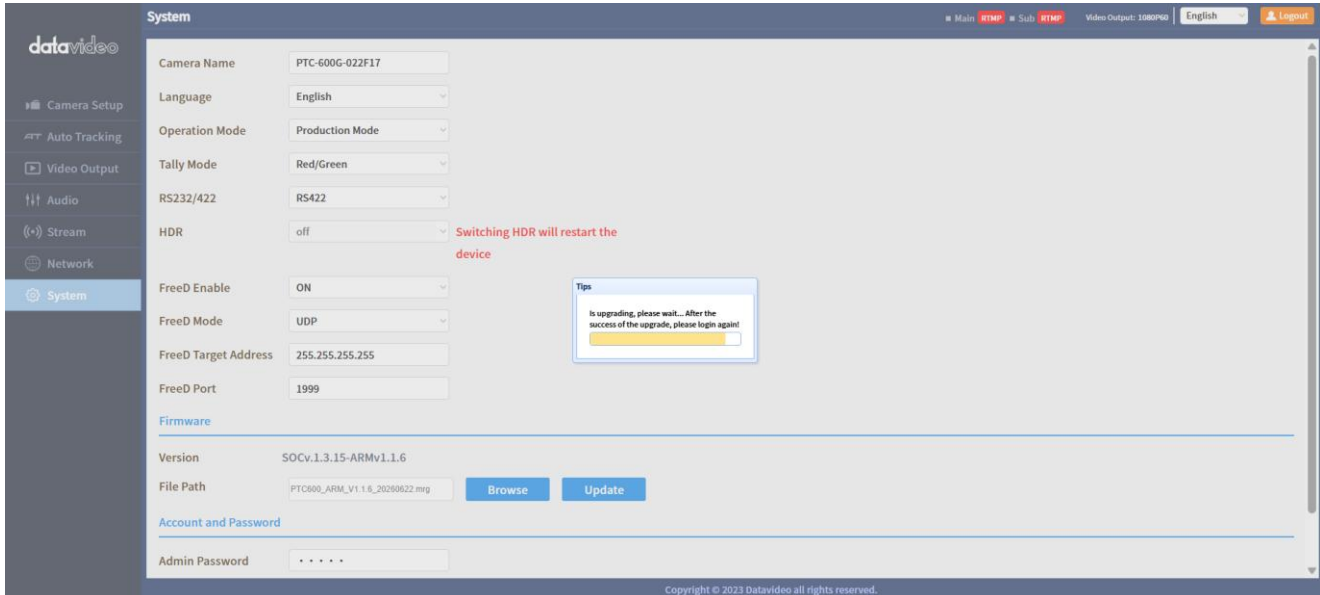
File Path: PTC600\_ARM\_V1.1.6\_20260622.mrg Browse Update

**Account and Password**

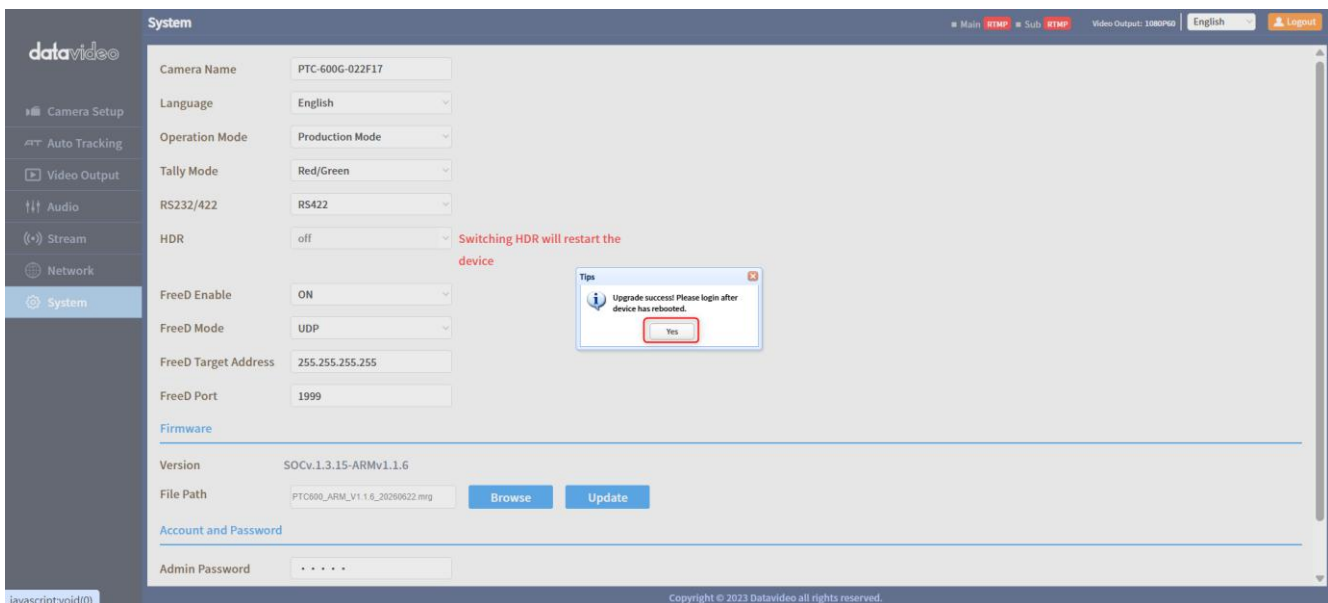
Admin Password: .....

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2. Please press the “Update” button, and then the firmware update procedure for the ARM firmware will be started automatically.



3. After the ARM firmware update is done successfully, the PTC-600 or PTC-600G will reboot automatically. After the rebooting is done, please press the “Yes” button and then login to the PTC-600 or PTC-600G Web UI again. After that, the whole ARM firmware update procedure is done successfully.



4. After the SOC and ARM firmware files are updated successfully, please click **“System>Factory Default”** from the Web UI to set your camera to factory default. And then the whole firmware update procedure is done successfully.

**System**

Language: English

Operation Mode: Production Mode

Tally Mode: Red/Green

RS232/422: RS422

HDR: off Switching HDR will restart the device

FreeD Enable: ON

FreeD Mode: UDP

FreeD Target Address: 255.255.255.255

FreeD Port: 1999

**Firmware**

Version: SOCv.1.3.15-ARMv1.1.6

File Path: PTC600\_ARM\_V1.1.6\_20260622.mtg Browse Update

**Account and Password**

Admin Password: . . . . .

Factory Default Apply Reboot

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