



Firmware Update Instructions

BirdDog PF120

This document provides instructions on updating the camera's entire firmware set.

It is important to know the overall firmware structure of the camera. There are 2 separate locations that require firmware to be updated in order for the camera to operate in all conditions.

- MCU (Master Control Unit)

The MCU is the overall control system that interprets and actions any incoming command to the camera. It sends image commands to the baseboard as well as controlling all the robotics such as Pan/Tilt/Zoom directly. Updating the MCU results in improvements in control compatibility, accuracy and speed.

- NDI® Firmware

The NDI firmware handles all network-based activities including the Web User Interface (Web UI) and the encoding of video into NDI® video to be sent over the network. NDI Firmware includes many important performance updates, features, functions, and compatibility updates.

Updating the Camera Firmware

BirdDog often updates the recommended firmware version for your camera with bug fixes and new features.

Updating your camera is a 2 step process. Please update the camera as per these instructions and in this specific order.

The firmware is available from this link:

[Firmware Updates](#)

What you will need

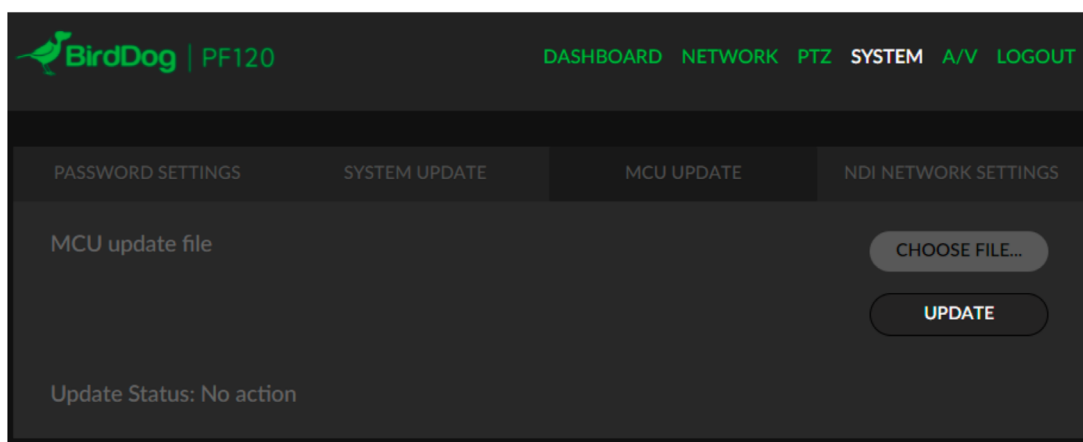
- 1 x PF120 firmware update .zip file (this contains all the files you need to update your camera).
- 1 x BirdDog PF120 Camera.



Procedure

STEP 1. MCU Update

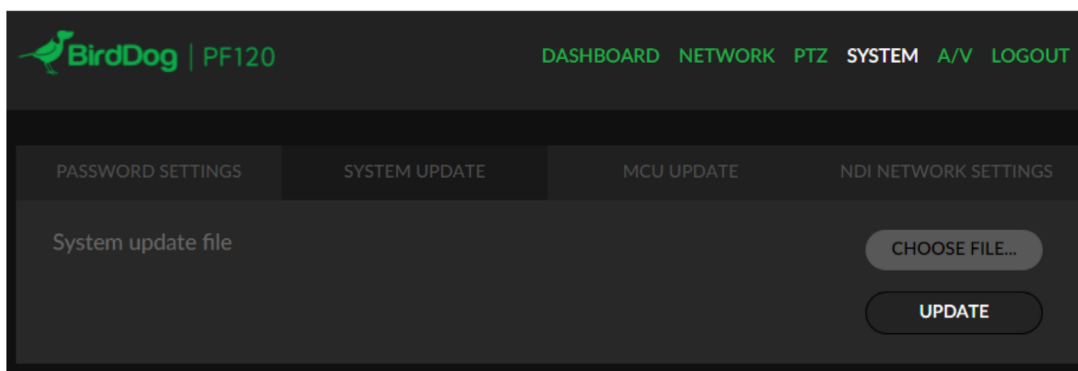
- Navigate to the camera Web UI. This is done by opening a web browser (Chrome or Firefox preferred) and typing in the IP address of the camera. By default, the camera is set to DHCP mode, which means it will automatically acquire an IP address from your network infrastructure. If your network does not have a DHCP server present, then the camera will fall back to 192.168.100.100. Please ensure your network adapter on your computer is set to the same subnet as the camera.
- Log into the camera Web UI. The default password is 'birddog'.
- Navigate to the SYSTEM menu and select MCU UPDATE.



- From the displayed popup window, navigate to the folder named STEP 1, select the contained .bin file and click UPDATE.
Note: This process will take up to 5 minutes and will require the camera to reboot. DO NOT power off the unit while this process completes.
- After the process reports as complete, please allow 2 minutes for the camera to reboot and then refresh your browser.
- To confirm the update, navigate to the PTZ tab of the Web UI. Click the OSD section and navigate to SYSTEM. Check the long SV number. The number should end in AA032. If it does, then the update is confirmed.
- The MCU update is now complete. Please proceed to the next step.

STEP 2. NDI® Firmware Update

- Navigate to the camera Web UI.
- Log into the camera Web UI.
- Navigate to the SYSTEM menu and select the SYSTEM UPDATE tab. Click on CHOOSE FILE.



- d. From the displayed popup window, navigate to the folder named STEP 2, select the contained .fw file and click UPDATE.

Note: This process will take up to 5 minutes and will require the camera to reboot. DO NOT power off the unit while this process completes.

- e. After the process reports as complete, please allow 2 minutes for the camera to reboot and then refresh your browser.
- f. If you wish to use the Web UI, you'll need to log in again.
- g. The update process is now complete.

SUPPORT RESOURCES

BirdDog are committed to your success with our products and we have a team of global support engineers ready to help you. Should you need further assistance, please do not hesitate to reach out.

Email us at help@bird-dog.tv

This is a high priority email address and is received by support, engineering and management. We are here to help!