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› [FLASHFORGE](#) /

› [FLASHFORGE Camera Kit User Manual for Adventurer 5M, 5M Pro, and AD5X 3D Printers](#)

FLASHFORGE Camera Kit for Adventurer 5M/Pro/AD5X

FLASHFORGE Camera Kit User Manual

For Adventurer 5M, Adventurer 5M Pro, and AD5X 3D Printers

1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your FLASHFORGE Camera Kit. Designed for seamless integration with FLASHFORGE Adventurer 5M, Adventurer 5M Pro, and AD5X 3D printers, this camera enables real-time and remote monitoring of your printing process, enhancing convenience and control.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- Camera Module
- Camera Cable
- M3.5*8 Screw
- 2.5mm Allen Wrench

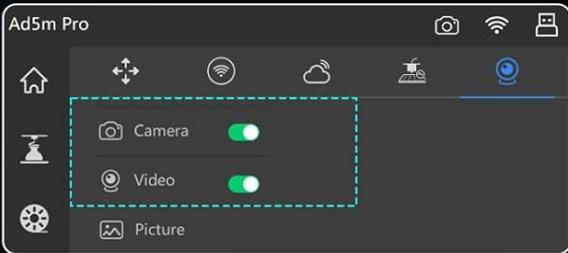
Camera Installation Guide



Insert the camera cable into the camera port.



Mount the camera inside the printer's front-right area and secure it with the included screws using a 2.5mm hex wrench.



Enable the camera function in the settings.

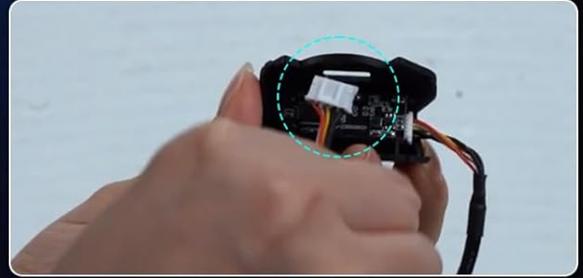
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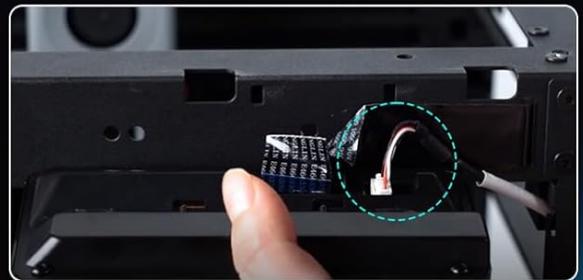
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5



Thread the cable through the camera hole.



Slightly lift and slide the screen to the right, then insert the other end of the camera cable into the screen port.

Image: Components of the FLASHFORGE Camera Kit.

3. SETUP AND INSTALLATION

Follow these steps to install the camera module on your 3D printer.

3.1 Hardware Installation

1. **Prepare the Camera Module:** Insert the smaller end of the camera cable into the camera port. Thread the camera cable out through the hole of the camera module.



Image: Detailed steps for camera cable insertion and threading.

2. **Mount the Camera:** Install the camera on the inner side of the printer's front-right area. Ensure the protrusions on both sides of the camera fit into the locating holes.
3. **Secure the Camera:** Use the provided 2.5mm Allen wrench to tighten the M3.5*8 screw into the hole, securing the camera in place.
4. **Connect to Screen:** Gently lift and slide the printer's screen to the right to detach it. Remove the upper port cover on the screen. Insert the other end of the camera cable into the designated port on the screen.
5. **Reattach Screen:** Carefully reattach the screen to the printer, ensuring all connections are secure.

Your browser does not support the video tag.

Video: Official guide on how to install the camera module on your Adventurer 5M 3D printer.

3.2 Software Activation

1. **Access Settings:** On the printer's touchscreen, navigate to the settings menu (gear icon).
2. **Enable Camera:** Within the settings, locate the camera icon. Turn on both the "Camera" and "Video" functions to enable the camera.

4. OPERATING INSTRUCTIONS

4.1 Real-time and Remote Monitoring

The FLASHFORGE Camera Kit allows you to monitor your 3D prints in real-time from anywhere using the compatible Flash Maker App or Orca-Flashforge slicing software.

- **Flash Maker App:** Download and install the Flash Maker App on your mobile device. Connect the app to your 3D printer to view a live stream of your print progress and control basic printer functions remotely.
- **Orca-Flashforge Slicing Software:** For desktop monitoring, use the Orca-Flashforge slicing software. After sending a print job to your printer, you can access a live camera feed within the software interface.

24/7 Print Monitoring

Enabling the camera allows you to record your entire printing process in an exciting video format. It is perfect for sharing your creations or reviewing your print workflow.



Image: Remote monitoring of a 3D print via a mobile application.

Firmware Updates for Stable Connection

We provide regular firmware upgrades to maintain a reliable and seamless connection, ensuring you stay connected throughout every print.

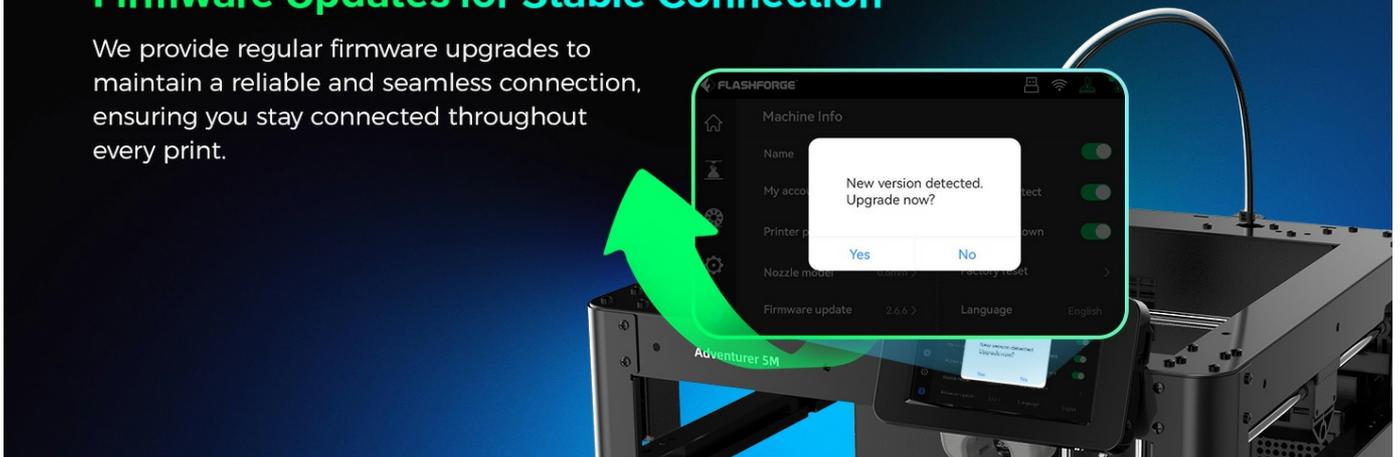


Image: Print monitoring setup with desktop software and mobile app.

4.2 Time-Lapse Video Recording

The camera module supports time-lapse video recording of your entire printing process. These videos are stored on the printer's internal memory and can be downloaded after the print job is complete.

- **Access Time-Lapse:** After a print job finishes, navigate to the "Device Status" section in the Flash Maker App or Orca-Flashforge software.
- **Download Video:** Select the completed print job and choose the option to download the time-lapse video.



Print Monitoring Made Easy

Easily monitor your print status anytime via the dedicated **Flash Maker** app or through **Orca-Flashforge** slicing software. Receive real-time updates and remotely control your prints for a smarter, more efficient workflow.

Image: Camera capturing a time-lapse video of the 3D printing process.

5. MAINTENANCE

5.1 Firmware Updates

Regular firmware updates are provided to maintain a reliable and seamless connection for your camera kit. Ensure your printer's firmware is always up-to-date for optimal performance.

- **Check for Updates:** Periodically check for new firmware versions through your printer's settings menu or the Flash Maker App.
- **Install Updates:** Follow the on-screen prompts to download and install any available firmware updates.

Firmware Updates for Stable Connection

We provide regular firmware upgrades to maintain a reliable and seamless connection, ensuring you stay connected throughout every print.



Image: Firmware update notification on the 3D printer's display.

5.2 Cleaning

To ensure clear image quality, regularly clean the camera lens with a soft, dry, lint-free cloth. Avoid using abrasive cleaners or solvents.

6. TROUBLESHOOTING

• No Camera Feed:

- Ensure the camera module is correctly installed and securely connected to the screen.
- Verify that the "Camera" and "Video" functions are enabled in the printer's settings.
- Check your network connection for both the printer and your monitoring device.
- Update the printer's firmware to the latest version.

• Poor Image Quality:

- Clean the camera lens with a soft, dry cloth.
- Ensure adequate lighting within the printer's build chamber.

- **Time-Lapse Not Recording:**

- Confirm that the "Video" function is enabled in the printer's settings.
- Ensure there is sufficient internal storage on the printer for time-lapse videos.

7. SPECIFICATIONS

Package Dimensions	3.54 x 2.8 x 2.09 inches
Item Weight	1.44 ounces
Manufacturer	Zhejiang Flashforge 3D Technology Co., Ltd.
ASIN	B0D2VSLKTX
Date First Available	April 28, 2024
Compatibility	FLASHFORGE Adventurer 5M, Adventurer 5M Pro, AD5X 3D Printers

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official FLASHFORGE website. You can also contact FLASHFORGE customer service directly for assistance.

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