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## YONGNUO YN433II

# YONGNUO YN433 II 4K Live Streaming Camera Instruction Manual

Model: YN433II | Brand: YONGNUO

## INTRODUCTION

This manual provides detailed instructions for the YONGNUO YN433 II 4K Live Streaming Camera. Please read this manual carefully before using the product to ensure proper operation and to maximize its performance. Keep this manual for future reference.

## WHAT'S IN THE BOX

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 1 x YONGNUO YN433II Camera
- 1 x Lens Hood
- 1 x Charger
- 1 x Type-C USB Cable

### YONGNUO YN433II – New Features

Added support for UVC 4K 30fps video streaming

Enhanced image quality over YN433, fixing certain imaging issues

Optimized USB transmission for improved stability & lower latency

Added image debugging tools for enhanced control

Now offering remote image debugging services  
(via ORAY software or similar remote tools)

### Video Recording

720p HD video  
recording at 30 fps

1080p HD video  
recording at 30 fps

4K video  
recording at 30 fps

The package includes the YONGNUO YN433 II camera body, a charger, two Type-C USB cables, a lens hood, and the product box. Ensure all components are present upon unboxing.

## KEY FEATURES

- **4K Video Recording:** Supports 4K video recording at 30fps, 1080p at 30/24/15fps, and 720p at 30/24/15fps.
- **Interchangeable M43 Lens Mount:** Compatible with Micro Four Thirds lenses (lens not included).
- **Android System:** Built-in Android 10.0 system for enhanced functionality.
- **Connectivity:** HDMI interface (up to 1080P output), USB3.0 Type-C interface (4K30fps stable video stream output), UVC protocol support.
- **Processor & Storage:** 8-Core, 2.2GHz main frequency processor, 20 million pixels M4/3 frame, 6GB RAM + 64GB Flash storage.
- **Live Streaming Capabilities:** Optimized for live streaming to platforms like YouTube, Twitch, and TikTok.
- **Image Debugging Tools:** Includes tools for enhanced image control and remote debugging services.



The image shows the YONGNUO YN433II camera body and a lens. The camera is black with a silver lens mount. The lens is also black with a silver ring. The camera body has a red dot on the front and a lens mount with 'M43' and 'L' markings. The lens has 'YONGNUO' and 'YN433II' markings. The background is a light blue gradient.

**YONGNUO**

### YONGNUO YN433II LIVE STEAMING CAMERA

Icons: MICRO FOUR THIRDS, UVC, 4K, HDMI, 5G, ANDROID

- USB Camera, M4/3 Frame
- Built-in Android 10.0 system
- RAM(6GB)+Flash(64G)
- 8-Core, 2.2GHz Main Frequency
- 20 million pixels
- Support USB network card
- Support Rear Interchangeable M43 Mount Lens
- Support video shooting, live streaming, conference.

This image highlights the new features of the YN433 II, such as UVC 4K 30fps video streaming, enhanced image quality, optimized USB transmission for stability and lower latency, and added image debugging tools with remote service options. It also lists video recording capabilities: 720p HD, 1080p HD, and 4K video, all at 30fps.

## SETUP GUIDE

### 1.1 Setting the Camera OS Language

The YN433 series camera operates on an Android system. The default language is Chinese. Follow these steps to change the system language:

1. Double-click the "Settings" menu to enter the system settings interface.
2. In the system settings interface, double-click "System".
3. After entering the system settings interface, double-click "Language and Input Method" to enter the language addition interface.
4. Double-click "Language".
5. Click "Add Language" to enter the language addition interface.
6. Users can select the language they want to add from the following language list.
7. After selecting the language (e.g., English (Canada)), enter the following language settings interface, left-click the mouse to select English (Canada) row, and drag it up (first row).
8. After successful setting, the system interface will display according to the language set.

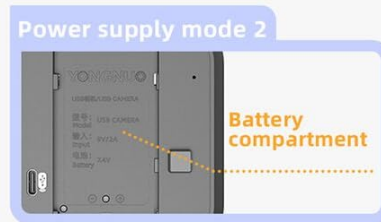
## 4、 Connect to the power supply

Connect the charger at one end of YN433 to the type-c port on the back of YN433.

If you need to use other chargers , please make sure that the charger supports the USB QC3.0 protocol, and the input terminal has an input voltage of 9V or above.(Note: The USB interface marked with DC IN can supply power to YN433)



It also supports installing an externalb battery LP-E6 (7.4V) on the back of YN433 for power supply.



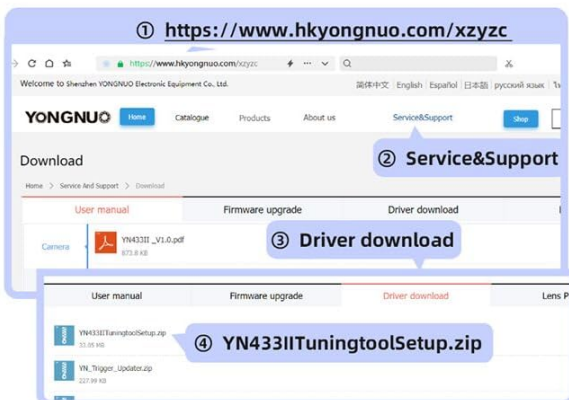
YN433 cannot charge external batteries. It is recommended that users use a specified charger to charge the batteries.

This image illustrates the process of changing the camera's operating system language. It shows screenshots of navigating through the settings menu, selecting 'System', then 'Language and Input Method', and finally adding and prioritizing a new language like English.

## 1.2 Powering On the Camera

To start the YN433 II camera, press and hold the power button located on the top of the device. The power indicator will flash, indicating that the camera is starting up. Once the power indicator and mode indicator are continuously lit, the camera is ready for use.

## 5、 If there's any image quality parameter settings requirement, you can obtain according to the following process.



- ① Browse <https://www.hkyongnuo.com/xzyzc> on the computer connected to YN433 series cameras,
- ② click **Service&Support** ;
- ③ click **Driver download** ;
- ④ Choose to download YN433 lives-streaming camera debugging tool-- **YN433IITuningtoolSetup.zip** , then the image effect can be adjusted.

This diagram points out the power button on the top of the camera, and the power and mode indicators. It explains that holding the power button initiates startup, and steady lights on both indicators confirm the camera is ready.

## 1.3 Connecting to Power Supply

Connect the charger to the Type-C port on the back of the YN433 II. The camera also supports installing an external LP-E6 (7.4V) battery for power supply. Note that the YN433 II cannot charge external batteries; a specified charger is recommended for battery charging.

If using other chargers, ensure they support the USB QC3.0 protocol and have an input voltage of 9V or above. The USB interface marked 'DC IN' can supply power to the YN433 II.

## 1、YN433 Camera OS language settings

The YN433 series camera is an intelligent camera based on the Android system. The default language of the system is Chinese, and users can set the system language according to their usage habits. The setting steps are as follows:



① Double click the "Settings" menu to enter the system settings interface.



② In the system settings interface, double-click the "System" menu.



③ After entering the system settings interface, double-click on "Language and Input Method" to enter the language settings interface.



④ Double click on the 'Language' menu.



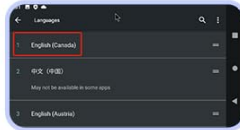
⑤ Click on 'Add Language' to enter the language addition interface.



⑥ Users can select the language they want to add from the following language list.



⑦ After selecting the language (for example, adding English (Canada)), enter the following language settings interface, left click the mouse to select English(Canada) row, and drag it up (first row).



⑧ Pull English (Canada) to the first line, and the system language has been successfully set.



⑨ After successful setting, the system interface will display according to the language set.

This image illustrates two power supply methods: connecting a charger to the Type-C port and installing an LP-E6 (7.4V) external battery. It highlights the Type-C power interface and the battery compartment, clarifying that the camera does not charge external batteries.

## 1.4 Installing an Interchangeable Lens

The YN433 II camera features an interchangeable Micro Four Thirds (M43) lens mount. To install a lens, align the lens mount with the camera's mount and rotate until it clicks into place. Ensure the lens is securely attached before operation.

This video demonstrates the process of attaching an interchangeable M43 lens to the YONGNUO YN433 II camera, showcasing the ease of lens installation.

# OPERATING INSTRUCTIONS

## 2.1 Live Streaming via UVC (USB Video Class)

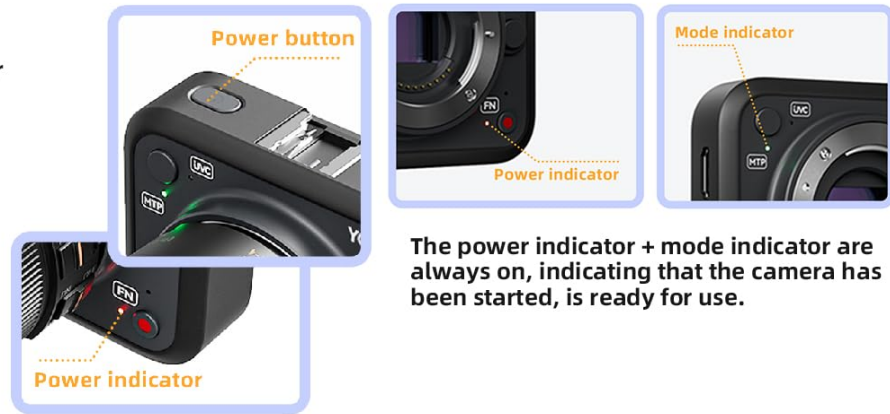
The YN433 II supports UVC protocol for direct live streaming. Follow these steps to set up UVC live streaming:

1. First, connect one end of the power cord to the power interface of the device, tighten the upper and lower fixing screws. Press and hold the power button to turn on the device.
2. Connect one end of the USB cable to the Type-C interface on the side of YN433 II.
3. Connect the other end of the USB3.0 cable to the computer.
4. Press the mode switch button until the UVC mode indicator lights up.
5. Open your live broadcast software (e.g., OBS) on the computer and import the UVC camera to start live streaming.

**Note:** If the computer does not detect the UVC Camera, please delete the original camera settings and ensure that the camera is not occupied by other programs, and then restart the camera. To ensure picture quality, it is recommended that you use the USB3.0 interface on the computer motherboard and the USB3.0 cable. If you use the USB2.0 interface, the video stream can only support 720p 10fps. The UVC function mainly supports the following video stream formats: 1920x1080@30fps, 1280x720@30fps, 640x480@30fps.

## 2、 Turn on the camera

Press and hold the power button on the top of the camera to start YN433, the power indicator will flash to indicate that the camera is starting up.



The power indicator + mode indicator are always on, indicating that the camera has been started, is ready for use.

This image provides a step-by-step visual guide for connecting the YN433 II camera for UVC live streaming. It shows connecting power, then the USB-C cable to the camera and computer, activating UVC mode, and finally configuring live broadcast software like OBS. Important notes on USB versions and supported resolutions are included.

## 2.2 Live Streaming via HDMI Interface

The YN433 II also supports live streaming via its HDMI interface. There are two methods:

- **Method 1:** Connect the YN433 II and the live streaming box with an HDMI cable, and then start streaming through the live streaming box. Prepare for the live broadcast.
- **Method 2:** Connect the HDMI cable to the HDMI interface of YN433 II, and then connect to the computer through a video capture card with a PCIe interface.

After completing any of the above operations, switch the mode to "MTP" (the upper left corner of the camera body). Then short press the Fn button on the front of the camera body to enable the camera to output video to the computer to realize the live streaming function.

**Note:** The maximum resolution supported by connecting the camera through an HDMI cable is 1920x1080p.

This section of the image (from the previous UVC image) details two methods for HDMI live streaming: connecting to a dedicated streaming box or using a video capture card with a computer. It also explains how to switch the camera to MTP mode and use the Fn button to enable video output for streaming. A note specifies the maximum HDMI output resolution as 1080p.

## 2.3 Adjusting Image Quality Parameters

If you need to adjust image quality parameters, follow this process:

1. Browse <https://www.hkyongnuo.com/xzyzc> on the computer connected to YN433 series cameras.
2. Click "Service&Support".
3. Click "Driver download".
4. Choose to download "YN433IITuningtoolSetup.zip".
5. Install and use the tuning tool to adjust the image effect.

### 3.1 Instructions for using the live function (UVC)



**01** To remove the power cord, please loosen the fixing screws completely first



**02** To remove the USB cable, please loosen the fixing screws completely first

Firstly, connect one end of the power cord to the power interface of the device, tighten the upper and lower fixing screws. Press and hold the power button to turn on the device.

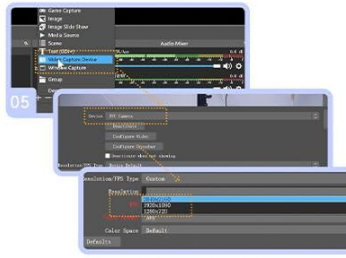
Connect the one end of the USB cable to the type-C interface on the side of YN433 first;



**03** and connect the other end of the USB3.0 cable to the computer



**04** Then lightly press the mode switch button to UVC mode until the indicator light of UVC is on.



Open the live broadcast software on the computer and connect the UVC camera

The specific operation process is as follows:



**NOTE:** If the computer does not detect the UVC Camera, please delete the original camera settings and ensure that the camera is not used by other programs, and then reset the camera.  
In order to ensure the picture quality, it is recommended that you use the USB3.0 interface on the computer motherboard and the USB3.0 cable; if you use the USB2.0 cable or USB2.0 interface, the video stream can only support 720p 15fps.  
The UVC function mainly supports the following video stream formats:  
① 720p 24/30fps ② 1080p 24/30fps ③ 4k 24fps/30fps

### 3.2 Instructions for using the live function (HDMI)

#### 2. How to use the YONGNUO camera HDMI interface

Method 1:



Connect the YN433 and the live streaming box with an HDMI cable, and then start streaming through the live streaming box, and now the preparation for the live broadcast is completed.

Method 2:



Connect the HDMI cable to the HDMI interface of YN433, and then connect to the computer through a video capture card with PCIe interface.

After completing any of the above operations, switch the mode to "MTP" (the upper left corner of the camera body), then short press the FN red dot button on the front of the camera body to enable the camera to output video to the computer to realize the live streaming function.



\*The maximum resolution supported by connecting the camera through an HDMI cable is 1920x1080.

This image provides a visual walkthrough for downloading the YN433 II tuning tool. It shows navigating to the YONGNUO website, clicking 'Service&Support', then 'Driver download', and finally selecting 'YN433IITuningtoolSetup.zip' to adjust image parameters.

## SPECIFICATIONS

Feature	Detail
Model Name	YN433II
Brand	YONGNUO
Photo Sensor Resolution	20 MP
Video Resolution	4K (2160p), 1080p
Frame Rate	30 fps (4K, 1080p, 720p)
Compatible Mountings	Micro Four Thirds, Olympus/Panasonic Micro 4/3
Operating System	Android 10.0
Processor	8-Core, 2.2GHz
RAM	6GB
Flash Storage	64GB
Connectivity Technology	HDMI, USB3.0 Type-C, Wi-Fi (2.4 GHz)
Battery Type	Supports LP-E6 (7.2V) (Purchase Separately)
Item Weight	0.7 Kilograms
Image Stabilization	Optical
Auto Focus Technology	Hybrid
Supported File Format	JPEG, MP4 (Video)
Maximum Shutter Speed	1/200 seconds
Minimum Shutter Speed	1/15 seconds
Exposure Control	Automatic
Display Type	LCD
Flash Memory Type	SD (up to 256 GB)

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera body. For the lens and sensor, use specialized cleaning kits to avoid damage.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Use a desiccant if storing in humid environments.
- **Battery Care:** If using an external battery, ensure it is charged with a compatible charger. Remove the battery if the camera will not be used for an extended period.
- **Firmware Updates:** Regularly check the YONGNUO official website for firmware updates to ensure optimal performance and access to new features.

## TROUBLESHOOTING

## Common Issues and Solutions

- **Camera does not power on:**

- Ensure the power cable is securely connected and the charger is functioning.
- If using an external battery, ensure it is fully charged and correctly inserted.
- Press and hold the power button for several seconds.

- **UVC Camera not detected by computer:**

- Verify the USB3.0 Type-C cable is connected to a USB3.0 port on your computer.
- Ensure the camera is in UVC mode (indicator light on).
- Close any other applications that might be using the camera.
- Restart the camera and your computer.
- Check the YONGNUO website for the latest drivers or troubleshooting software.

- **Autofocus issues:**

- Ensure the lens is clean and free from obstructions.
- Check if the lens is securely mounted.
- Try focusing manually if autofocus is inconsistent.
- Ensure sufficient lighting in your shooting environment.

- **Poor image quality:**

- Ensure the lens is clean.
- Adjust image quality parameters using the YN433IITuningtoolSetup software (refer to section 2.3).
- Check lighting conditions.

## WARRANTY AND SUPPORT

The YONGNUO YN433 II camera comes with a **1-Year Manufacturer Warranty**.

For technical support, driver downloads, or further assistance, please visit the official YONGNUO website or contact their customer service.

YONGNUO Brand Store: YONGNUO Store on Amazon