



Astro C2

User Manual

V2.0

Foreword

Thank you for choosing the **Astro C2** wireless high-definition video transmission system. The product adopts the newly developed ARGUS wireless transmission technology, achieving a seamless frequency hopping and ultra-low latency video transmission.



Scan the QR code to get more
details of the User Manual

Key Features

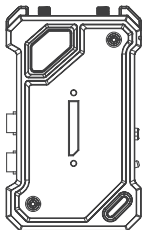
■ Key Features

- Supports one receiver connected to up to two transmitters
- The latest self-developed ARGUS wireless transmission technology provides ultra-high stability and seamless frequency hopping
- Ultra-low latency, as low as 33ms (1080P60 *)
- Supports 3280ft(1000m) wireless transmission range
- Transmitter supports HDMI IN, SDI IN, and SDI LOOP OUT
- Receiver supports HDMI OUT A, SDI OUT A, HDMI OUT B, and SDI OUT B
- HDMI/SDI port supports 1080P60 input and output
- HDMI/SDI port supports fractional frame rate input and output
- Supports dual UVC streaming outputs (1080P60) on the receiver (Dual-stream capture is not supported on macOS)
- Receiver's Ethernet port supports NDI transmission protocol and RTMP streaming
- Supports low-frame-rate conversion output on the receiver (Signals like P24/P25 can be converted to P60 output, with the same smoothness as P60 output)
- Supports multiple power supply options: DC power adapter (locking) + NP-F batteries for the transmitter, DC power adapter (locking) + V-Mount batteries plate for the receiver
- Supports point-to-point pairing

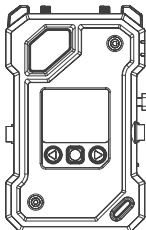
Note: The related data is based on laboratory test results.

Configuration

1



2



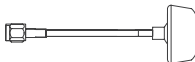
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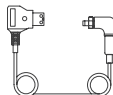
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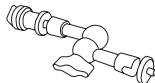
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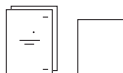
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14



Configuration

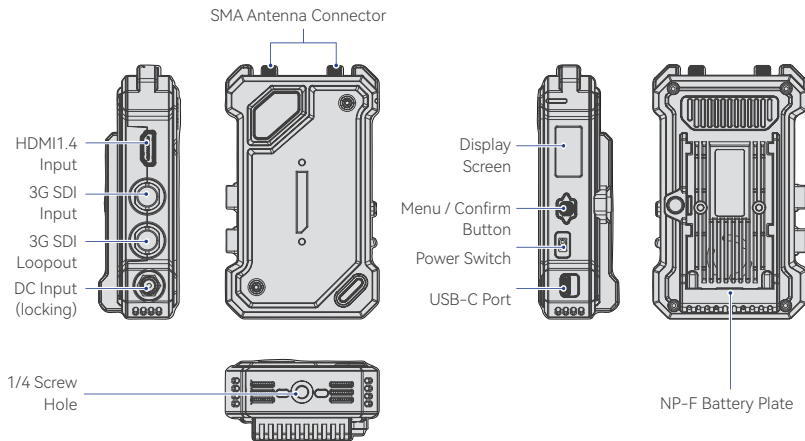
| SKU | 2 TX & 1 RX | 1 TX & 1 RX | 1 TX |
|--|-------------|-------------|------|
| ① Transmitter (TX) | 2 | 1 | 1 |
| ② Receiver (RX) | 1 | 1 | - |
| ③ Blade Antenna | 7 | 5 | 2 |
| ④ USB-C OTG Adapter | 1 | 1 | 1 |
| ⑤ Mushroom Antenna | - | - | - |
| ⑥ D-tap to DC Cable (locking) | - | - | - |
| ⑦ DC Power Adapter | 1 | 1 | - |
| ⑧ Screw Fitting for Stabilizer | - | - | - |
| ⑨ Magic Arm (5-inch) | - | - | - |
| ⑩ Rotatable Cold Shoe Mount | - | - | - |
| ⑪ Cold Shoe | 2 | 1 | - |
| ⑫ Expansion Accessory | 2 | 1 | - |
| ⑬ Warranty Card & Compliance Information | 1 | 1 | 1 |
| ⑭ Quick Guide & Packing List Card | 1 | 1 | 1 |

Note:

1. The quantity and appearance of items depend on the product configuration, the actual packing list card shall prevail.
2. You can buy the above mentioned accessories separately from the EaglesHero's official website if necessary.

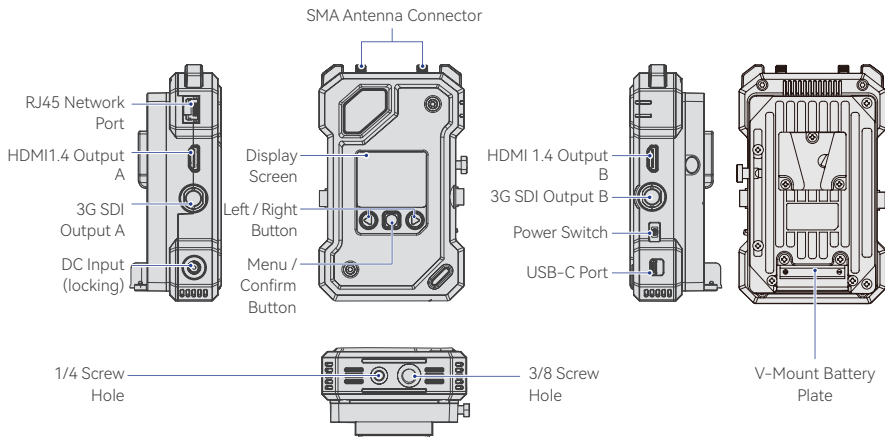
Overview

Transmitter



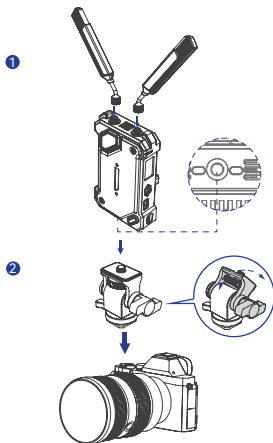
Overview

Receiver

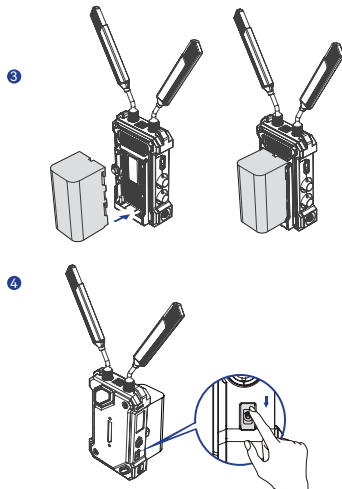


Installation

■ Transmitter



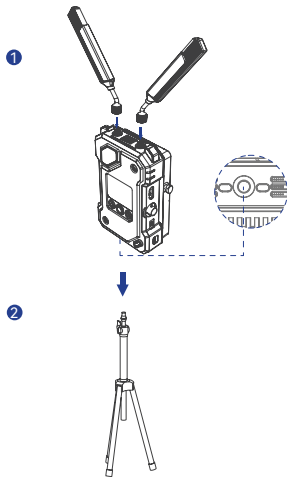
1. Install the antennas as shown in the diagram.
2. Mount the transmitter to the camera using the magic arm, rotatable cold shoe mount or other accessories.



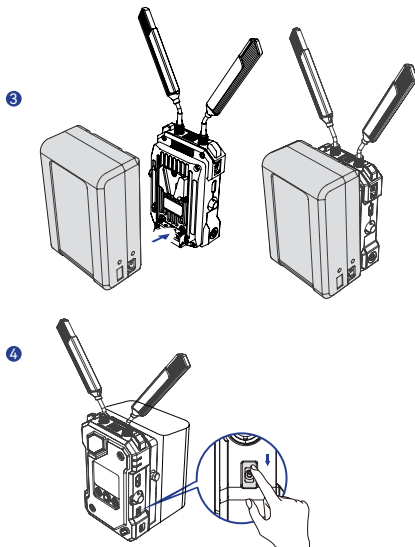
3. Install the battery (Support NP-F batteries or DC power adapter)
4. Toggle the power switch downward to turn on the transmitter.

Installation

Receiver



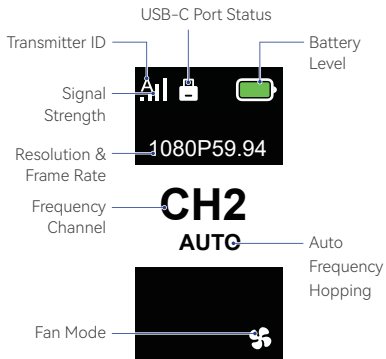
1. Install the antennas as shown in the diagram
2. Mount the receiver on the tripod using the 1/4 screw hole or 3/8 screw hole at the bottom.



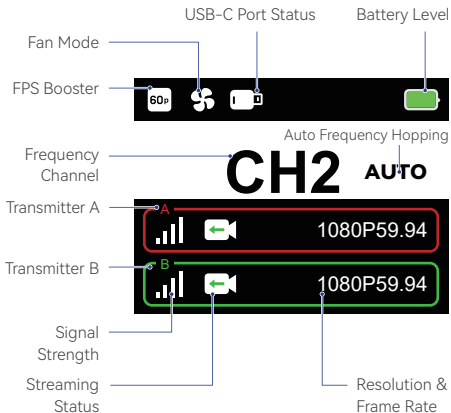
3. Install the battery (Support V-Mount battery or DC power adapter).
4. Toggle the power switch downward to turn on the receiver.

Home Screen Introduction

Transmitter











Receiver











Press and hold the menu button for 3 seconds to enter the menu interface. Use the up and down buttons to switch between menu options, and press the menu button to confirm your selection.

■ TX Indicator Lights

| | | | |
|---|---------------------------|---|--|
|  | Red light steady |  | Unpaired / Signal Lost |
|  | Red light flashing slowly |  | Battery is below 15% (approximately 30 minutes of usage remaining) |
|  | Red light flashing |  | Battery is below 5% (approximately 10 minutes of usage remaining) |
|  | Green light steady |  | Successfully paired and signal is stable |

■ RX Indicator Lights

| | | | |
|---|---------------------------|---|---|
|  | Red light steady |  | Unpaired / Signal Lost |
|  | Red light flashing slowly |  | Battery is below 15% (approximately 30 minutes of usage remaining) — both lights will flash |
|  | Red light flashing |  | Battery is below 5% (approximately 10 minutes of usage remaining) — both lights will flash |
|  | Green light steady |  | Successfully paired and signal is stable (top light for Transmitter A, bottom light for Transmitter B). |

■ Transmitter Functions Description



Pairing

Click to enter pairing mode, and the receiver must also enter pairing mode for successful pairing.



Fan Settings

Select different fan modes based on varying cooling requirements.



System Settings

View system-related setting information.



Language Switch

Switch between Chinese and English.



Version Information

Check the software and hardware version of the system.



Reset

Resets to default settings.

Functions Introduction

Receiver Function Description



Pairing

Click to enter pairing mode, and the receiver must also enter pairing mode for successful pairing.



Frequency Scanning

After scanning, you can select high-quality frequency channel by pressing buttons or activate the auto-hopping function.



Fan Settings

You can select different fan modes based on varying cooling requirements.



FPS Booster

The RX will convert incoming low frame rate signals, such as P24, P25, or P30, into P60 to reduce transmission latency.



Streaming

Choose different streaming methods based on your needs, which will provide you with varying performance experiences.

Note: Activating the streaming mode will impact the latency of regular video transmission.



Web Information

View the device's IP address.



Return



System Settings

View system-related setting information.



Frozen Frame

Controls whether the last frame after a transmission interruption is the final frame from the signal source.



Language Switch

Switch between Chinese and English.



Version Information

Check the software and hardware version of the system.



Reset

Resets to default settings.

■ Customize Frozen Frame

To customize the frozen frame, the following conditions must be met:

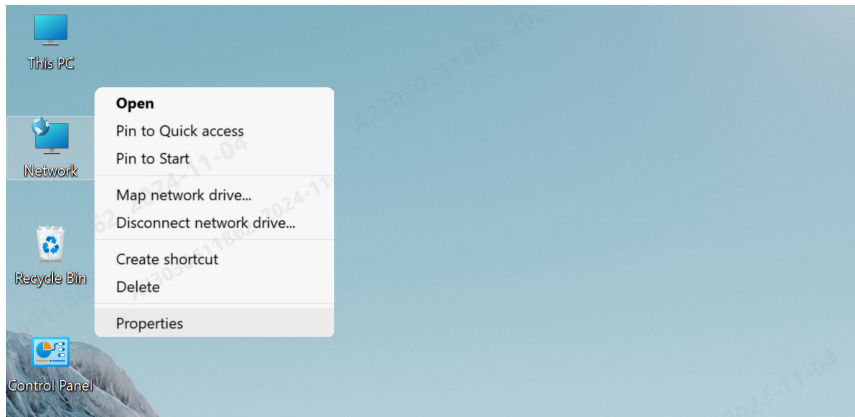
1. Image Format: JPG
2. Resolution: 1920 x 1080
3. Image Name: logo.JPG
4. Size: Within 1MB

Import the image that meets the above conditions into the root directory of the USB drive. Insert the USB drive into the receiver while it is powered on and wait for it to load.

Gateway Settings (Using a switch can achieve the same effect)

■ Operation Guide

1. Connect the receiver to the computer using an Ethernet cable.
2. Right-click on the "Network" and select "Properties."



3. Click on "Ethernet."



View your basic network information and set up connections

View your active networks

y6cd7.com

Public network

Access type: Internet

Connections: WLAN (Guest_05)

未识别的网络

Public network

Access type: No Internet access

Connections: Ethernet

Change your networking settings



[Set up a new connection or network](#)

Set up a broadband, dial-up, or VPN connection; or set up a router or access point.



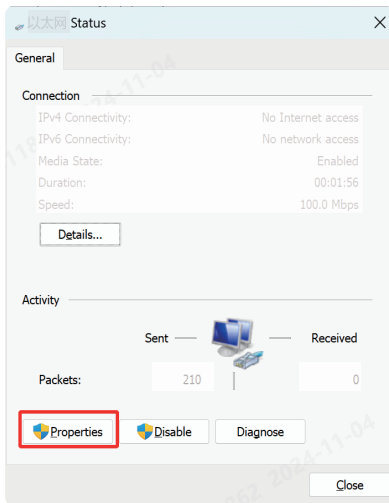
[Troubleshoot problems](#)

Diagnose and repair network problems, or get troubleshooting information.

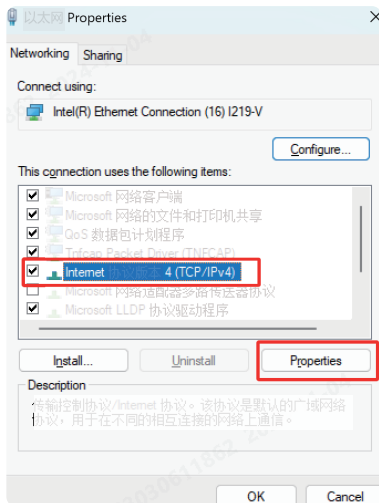
Product Usage

4. Click on "Properties".

5. Click on "Internet Protocol Version 4 (TCP/IPv4)," then click on "Properties."



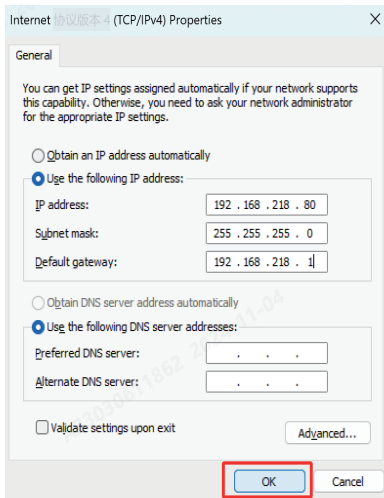
(3)



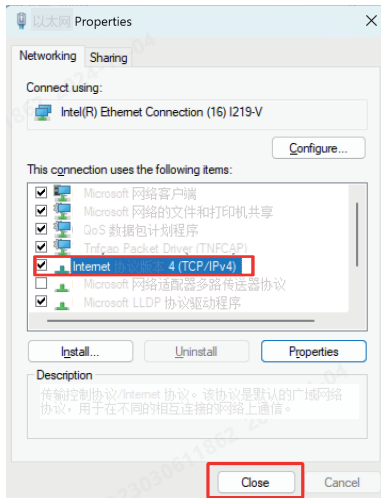
(4)

Product Usage

- Choose "Use the following IP address," input the IP address, subnet mask, and default gateway as shown in the receiver's Web information to ensure they are on the same network, then click "OK"
- Click "Close."



(5)



(6)

RTMP Streaming – 4G LTE Wi-Fi Modem

■ Operation Guide

1. Connect the device.
2. Connect the receiver to the computer using an Ethernet cable, ensuring that the computer and receiver are on the same gateway (for details, refer to Gateway Settings).
3. Connect a 4G LTE Wi-Fi modem capable of internet connectivity to the transmission receiver using an OTG adapter.
4. Check for any changes at the corresponding USB-C icon:



Network Connected

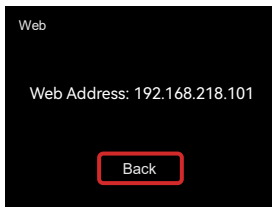


Streaming




Streaming Interrupted

5. Access the **Web Information** interface through the receiver to view the IP address.
6. Open a browser on a PC or mobile device and enter the receiver's IP address.



Web Information

7. After entering the page, input the streaming URL and key for the live streaming platform to start streaming.

 中文 English Log Out

Settings

Device RTMP Streaming Settings

TX-A

*RTMP Streaming Address

Key

Start Streaming

TX-B

*RTMP Streaming Address

Key

Start Streaming

Device Channel

Current Channel

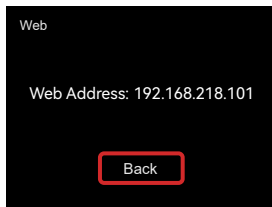
13

Start Scanning Channels

RTMP Streaming – Local Area Network

■ Operation Guide

1. Connect the device.
2. Connect the receiver to the internet or router using an Ethernet cable.
3. Access the **Web Information** through the receiver to view the IP address.
4. Ensure the PC or mobile device is connected to the same local area network segment as the receiver via Ethernet or Wi-Fi.
5. Open a browser on the PC or mobile device and enter the receiver's IP address.



Web Information

6. After entering the page, input the streaming URL and key for the live streaming platform to start streaming.

The screenshot shows the HOLLYLAND web interface for live streaming settings. At the top, there is a header with the HOLLYLAND logo, language selection (中文 and English), and a Log Out button. A left sidebar contains a Settings button. The main content area is titled 'Device RTMP Streaming Settings' and contains two identical configuration panels, TX-A and TX-B. Each panel has a label, an RTMP Streaming Address input field (pre-filled with 'hollyland.video/live/555'), a Key input field (with placeholder text 'Please enter the key'), and a Start Streaming button. Below these panels is a 'Device Channel' section with a 'Current Channel' dropdown menu (set to 13) and a 'Start Scanning Channels' button.

HOLLYLAND 中文 English Log Out

Settings

Device RTMP Streaming Settings

TX-A

*RTMP Streaming Address

hollyland.video/live/555

Key

Please enter the key

Start Streaming

TX-B

*RTMP Streaming Address

hollyland.video/live/555

Key

Please enter the key

Start Streaming

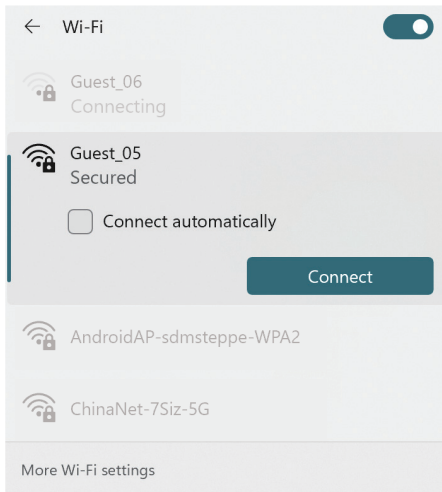
Device Channel

Current Channel 13 Start Scanning Channels

NDI Streaming (Using OBS as an Example)

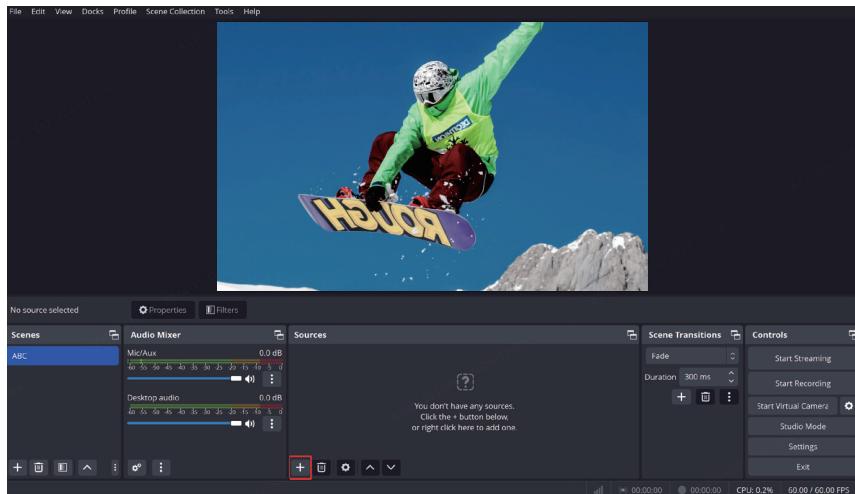
■ Operation Guide

1. Keep the computer and the receiver on the same gateway (for details, refer to Gateway Settings).
2. Disconnect the network.



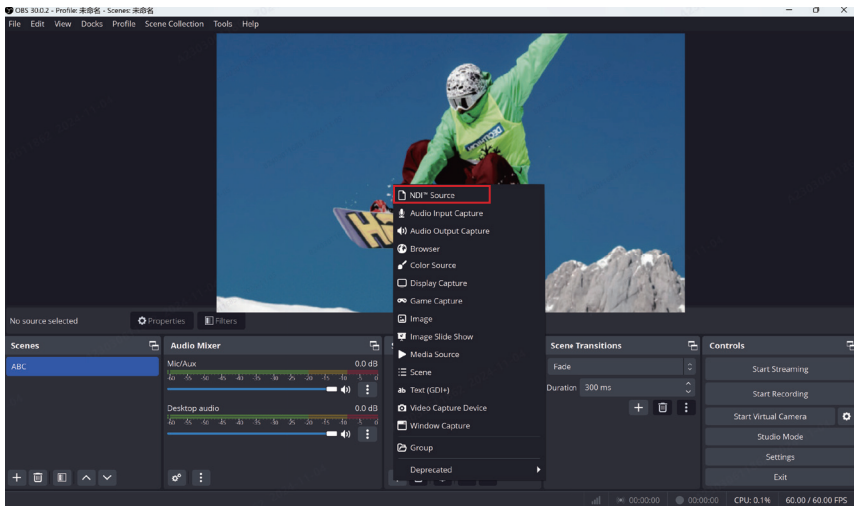
Product Usage

3. Open the OBS software with the installed OBS-NDI.
4. Click to add a video source.



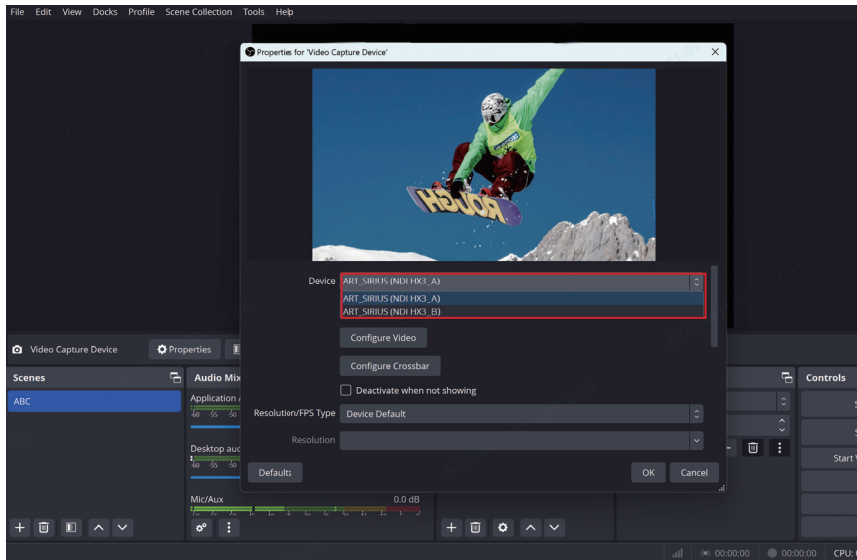
Product Usage

5. Add NDI source and confirm.



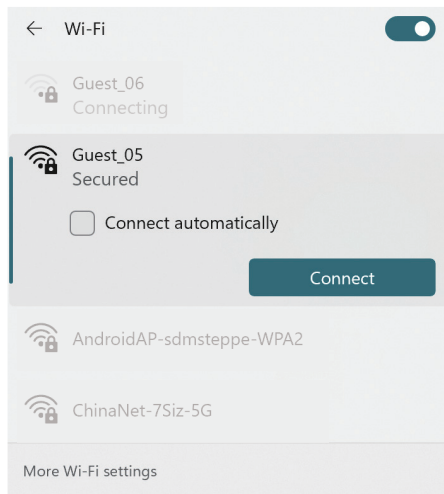
Product Usage

6. Select the corresponding video source and confirm.



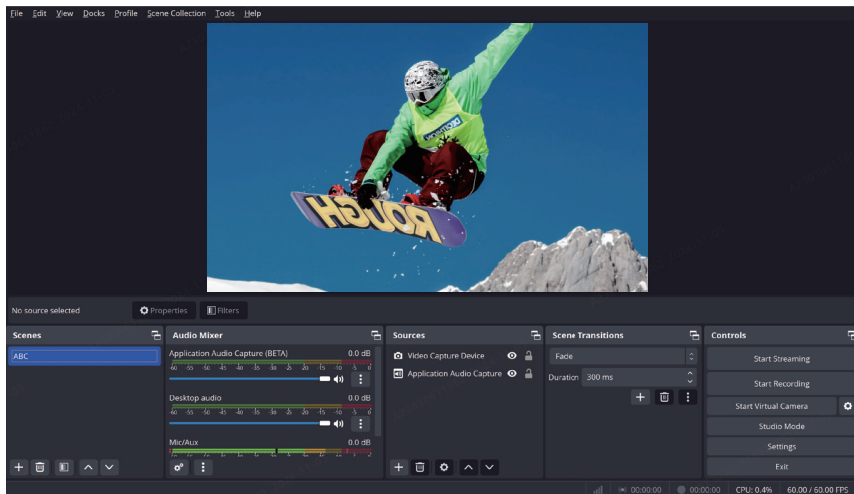
Product Usage

7. Connect the Internet.



Product Usage

8. Start streaming.



Specifications

| | Transmitter | Receiver |
|------------------------|---|---|
| Port | DC Input: 2.0mm Core Socket HDMI Input: HDMI 1.4b SDI Input: 3G SDI SDI Loopout: 3G SDI USB-C: USB 2.0 OTG Antenna: SMA Male | DC Input: 2.0mm Core Socket HDMI Output: HDMI 1.4b × 2 SDI Output: 3G SDI × 2 USB-C: USB 2.0 OTG Antenna: SMA Male Ethernet Port: RJ45, 100 Mbps |
| Power Supply | NP-F Battery Voltage Range: 6.8 – 8.4V DC Voltage Range: 6 – 16V | V-Mount Battery Voltage Range: 11.8 – 16.8V DC Voltage Range: 6 – 16V |
| Power Consumption | <10W | <11W |
| Net Weight | 210g | 440g |
| Dimensions (L × W × H) | 114.8 × 69 × 35.5mm (4.5 × 2.7 × 1.4") | 142 × 87.2 × 33.2mm (5.6 × 3.4 × 1.3") |
| Operating Frequency | 5.15 – 5.85 GHz | |
| Transmit Power | < 23 dBm | / |
| Receiver Sensitivity | / | -90 dBm |
| Latency | ≥ 33ms | |
| Bandwidth | 40 MHz | |

Specifications

| HDMI Input | HDMI Output | SDI Output |
|---------------------------|---------------------------|---------------------------|
| 720p50/59.94/60 | 720p50/59.94/60 | 720p50/59.94/60 |
| 1080i50/59.94/60 | 1080i50/59.94/60 | 1080i50/59.94/60 |
| 1080p23.98/24/25/29.97/30 | 1080p23.98/24/25/29.97/30 | 1080p23.98/24/25/29.97/30 |
| 1080p50/59.94/60 | 1080p50/59.94/60 | 1080p50/59.94/60 |

| SDI Input | HDMI Output | SDI Loopout /Output |
|---------------------------|---------------------------|---------------------------|
| 720p50/59.94/60 | 720p50/59.94/60 | 720p50/59.94/60 |
| 1080i50/59.94/60 | 1080i50/59.94/60 | 1080i50/59.94/60 |
| 1080p23.98/24/25/29.97/30 | 1080p23.98/24/25/29.97/30 | 1080p23.98/24/25/29.97/30 |
| 1080p50/59.94/60 | 1080p50/59.94/60 | 1080p50/59.94/60 |

Note: Due to differences in various countries and regions, there may be variations in the operating frequency band and wireless transmit power of the product. For details, please refer to local laws and regulations.

Support

If you encounter any problems in using the product or need any help, please contact Eagleshero Support Team via the following ways:



Eagleshero



eagleshero.official



Eagleshero Official



Eagleshero



Eagleshero



Eagleshero Official



support@eagleshero.com



www.eagleshero.com

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