MAXHUB Capture Host CSP30 User Manual

I. Product Overview

The CSP30 Capture Host is specially designed for educators around the world. Whether you wish to create high-quality local lecture recordings or conduct engaging live-streamed lessons, this device helps you easily achieve your goals.

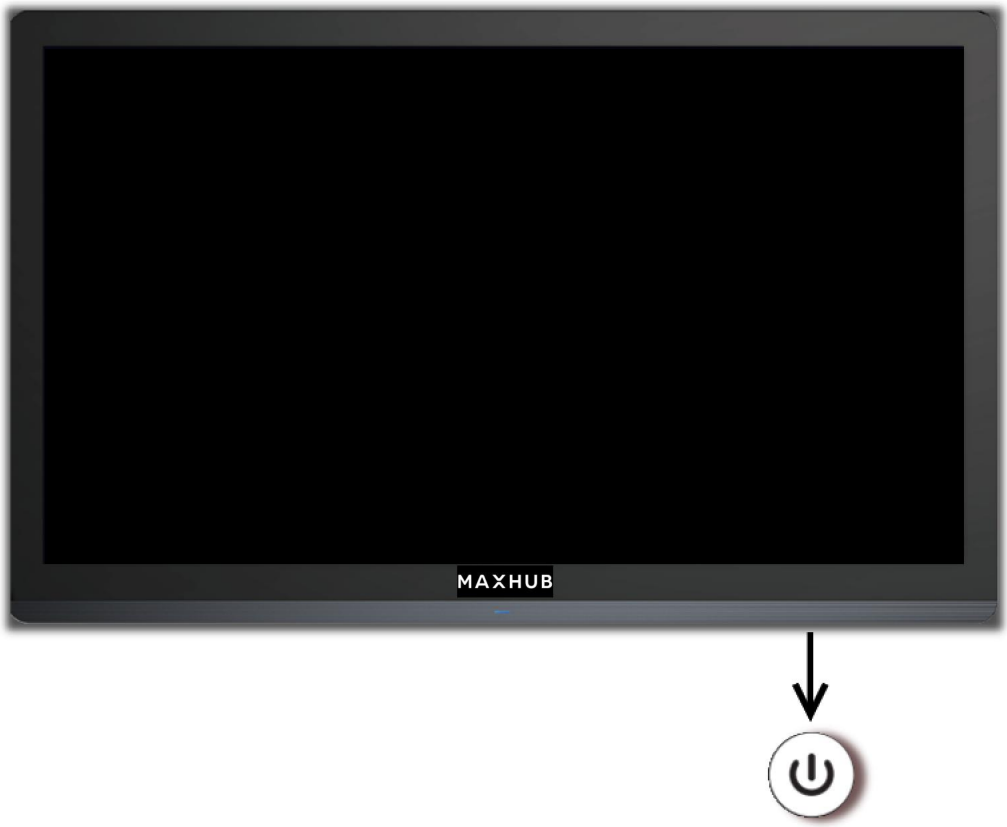
Ready to upgrade your teaching experience? Start using CSP30 now! If you have any questions or suggestions, please feel free to contact MAXHUB Global After-sales Support.

II. Instructions for Use

(1) Power On/Off

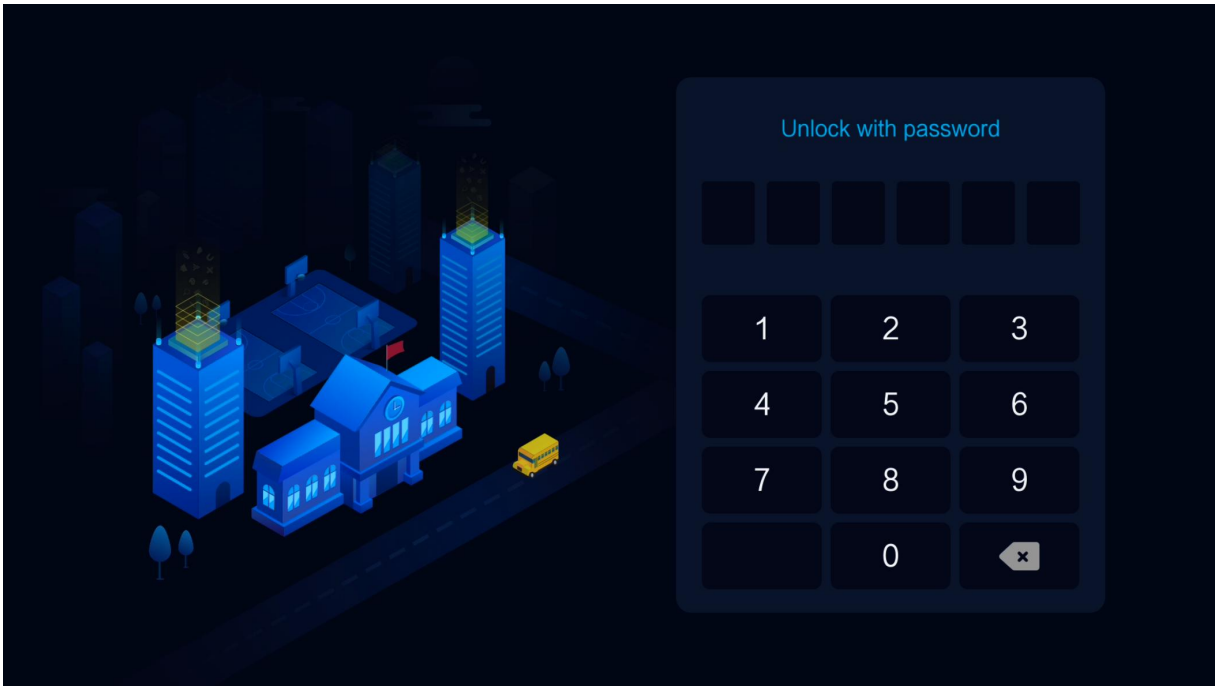
After connecting to the power supply, press the bar-shaped button at the bottom of the device to turn it on or off.

- Power On: Short press. The indicator light will turn blue after powering on.
- Power Off: Long press. The indicator light will turn red after shutting down.



(2) Unlocking

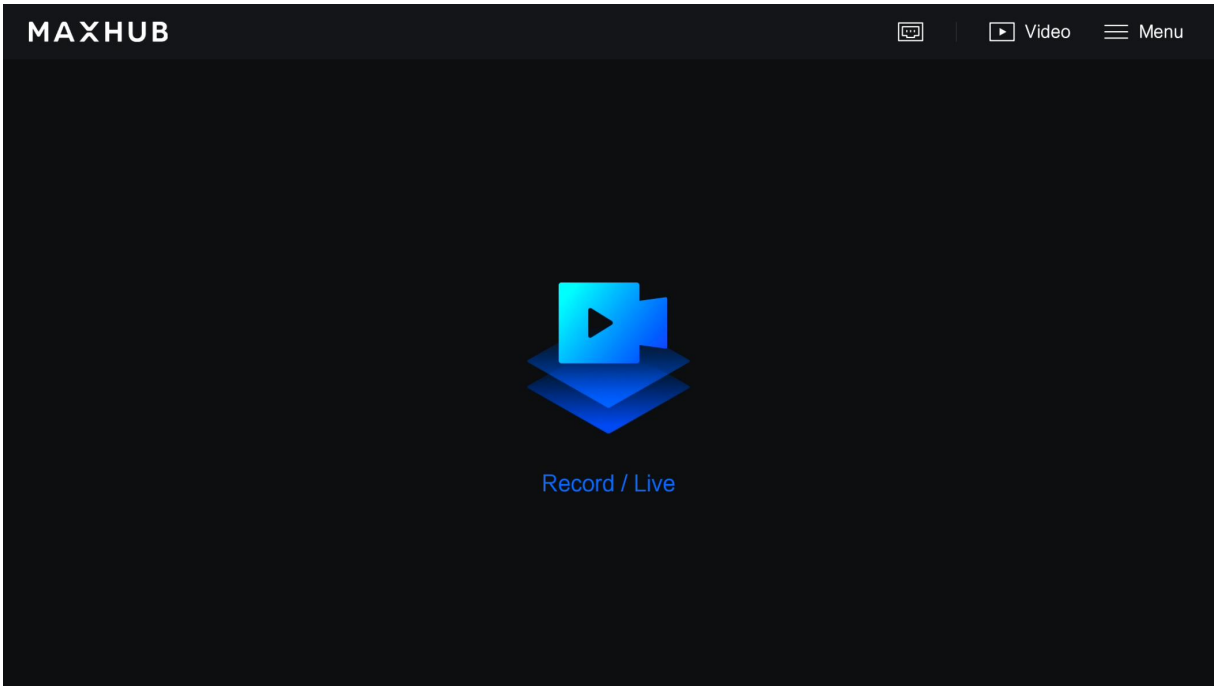
To ensure device security, you must enter a password to unlock the device before use.



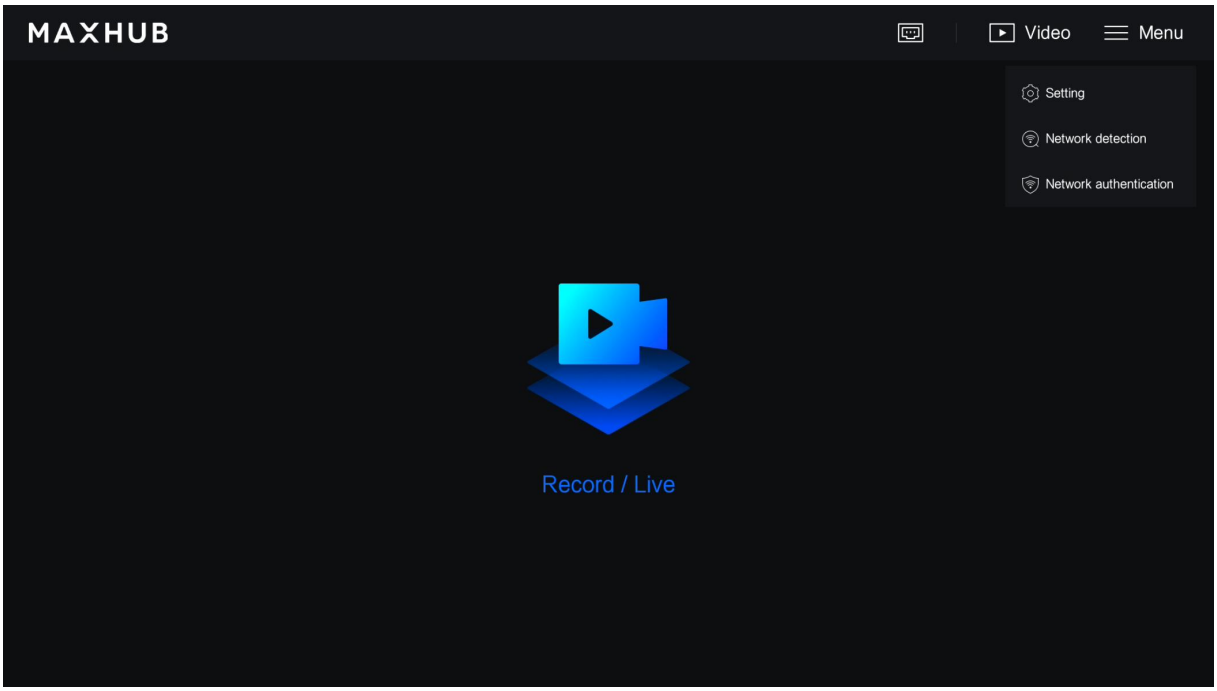
(3) Main Functions

Includes the following features:

- **Menu:** Settings, network detection, network authentication.
- **Recording/Live Streaming:** Start and stop recording or live streaming.
- **Video Management:** Archive and manage recorded videos.



1. Device Settings

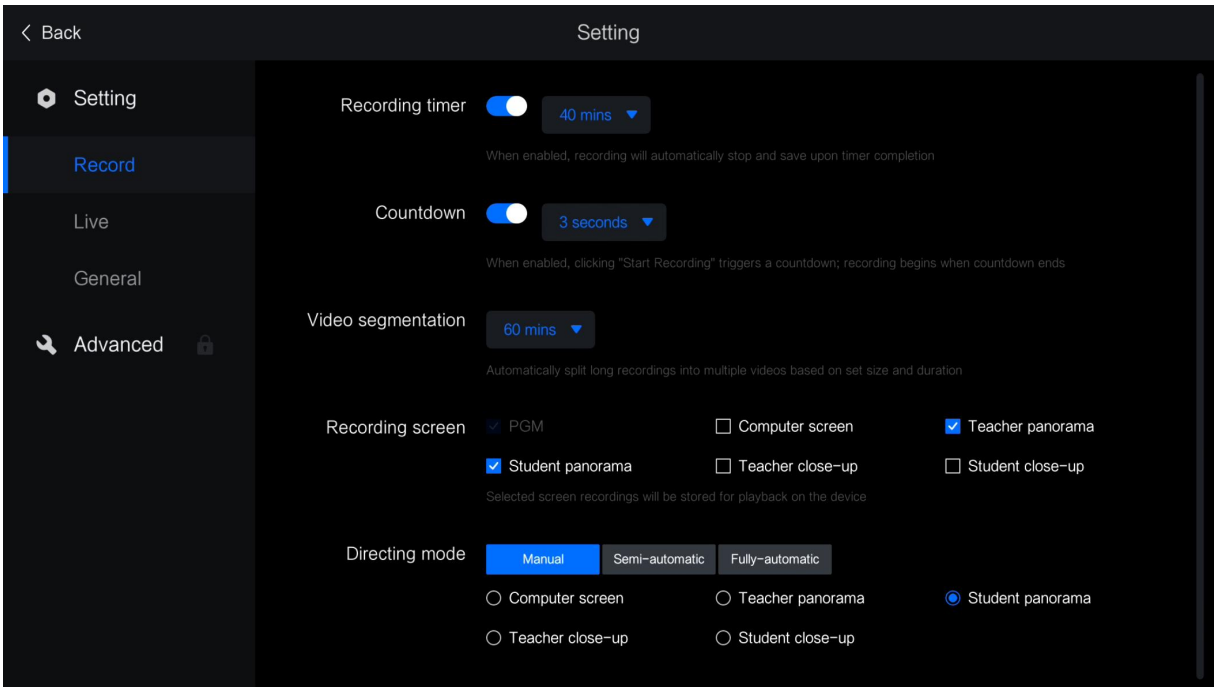


(1) Recording Settings

You can configure the recording parameters of the device, including:

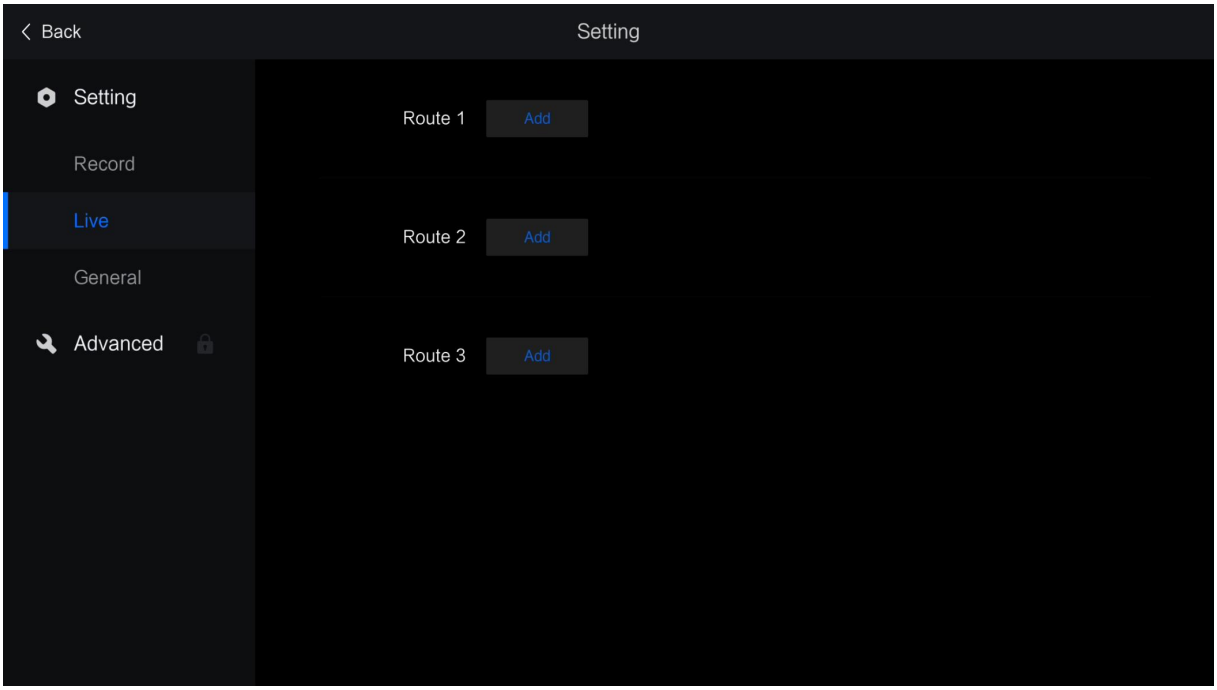
- **Recording Duration:** When enabled, recording will automatically stop once the set duration is reached.
- **Countdown:** A countdown will be displayed before recording starts.
- **Video Segmentation:** Videos can be segmented automatically by file size or recording duration to prevent overly large files from continuous recording.

- **Recording Sources:** Select which video sources to record.
- **Director Mode:**
    - Manual (The camera does not auto-track, and the director view will not auto-switch)
    - Semi-auto (The camera will auto-track, but the director view will not auto-switch)
    - Full-auto (The camera will auto-track, and the director view will auto-switch)

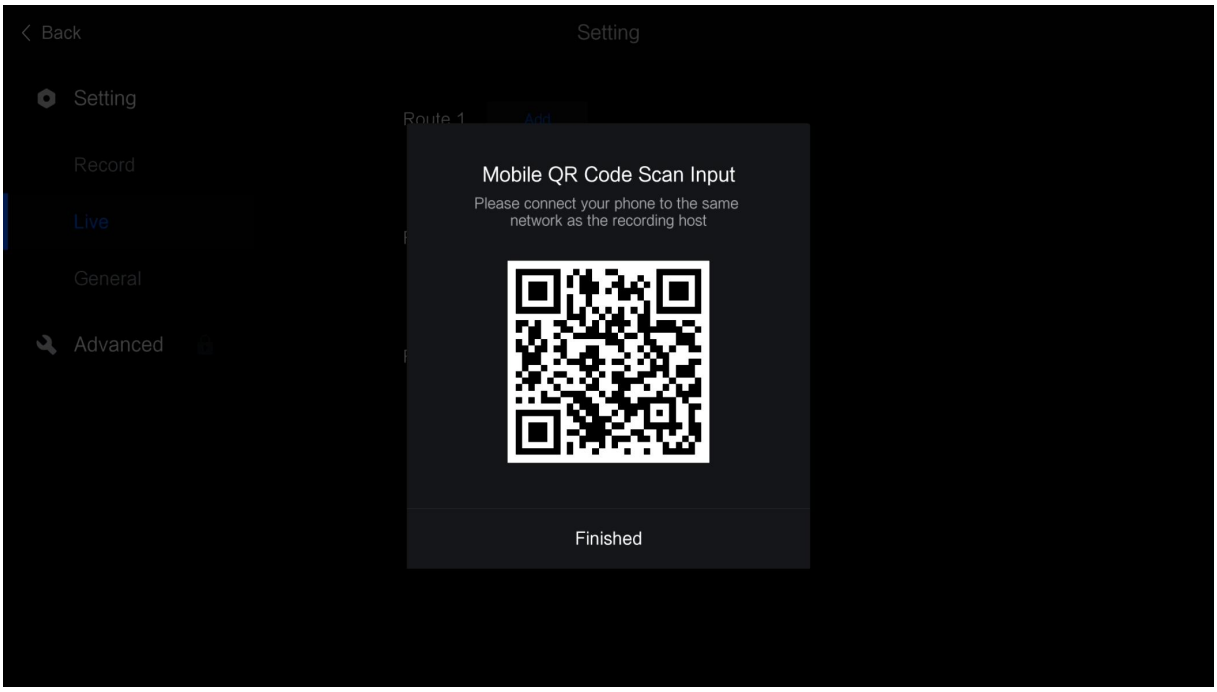


(2) Live Streaming Settings

The device supports RTMP streaming. If you want to stream the device output to a live streaming platform (e.g., YouTube), enter the RTMP streaming URL in this section after obtaining it from your platform.



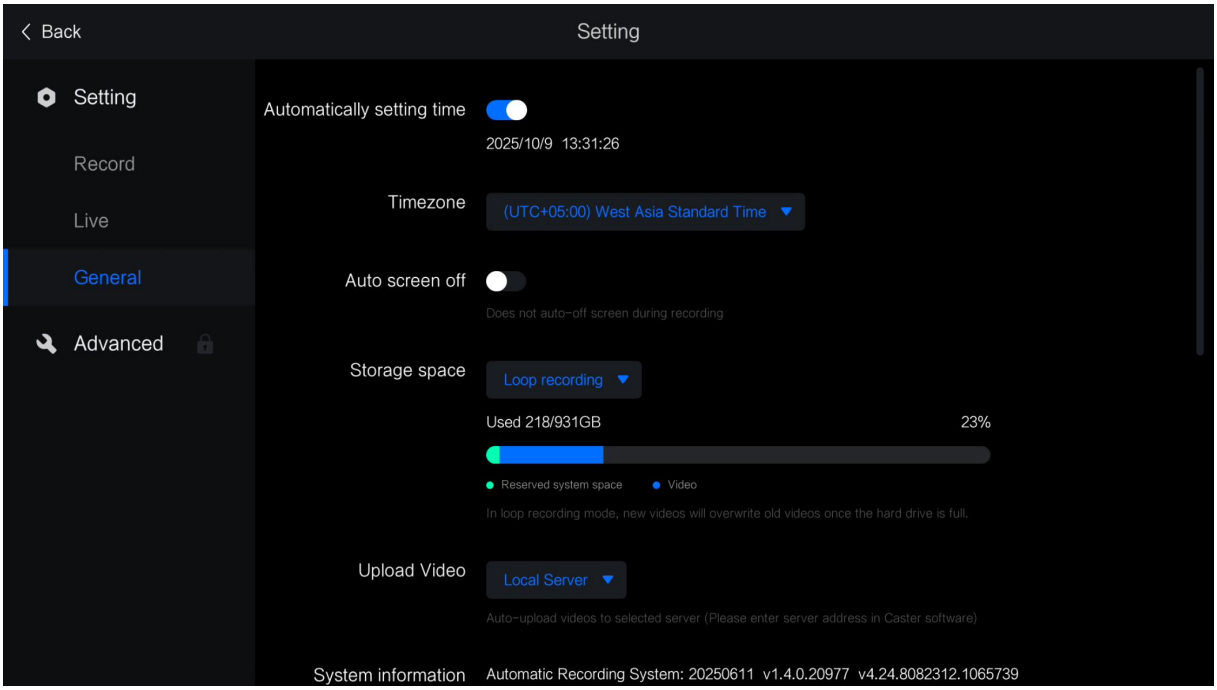
Click [Add] to display a QR code. You can scan the QR code with your phone and send it to the device.



Once your streaming address appears on the device, the setup is complete. You may set up streaming addresses for up to three platforms.

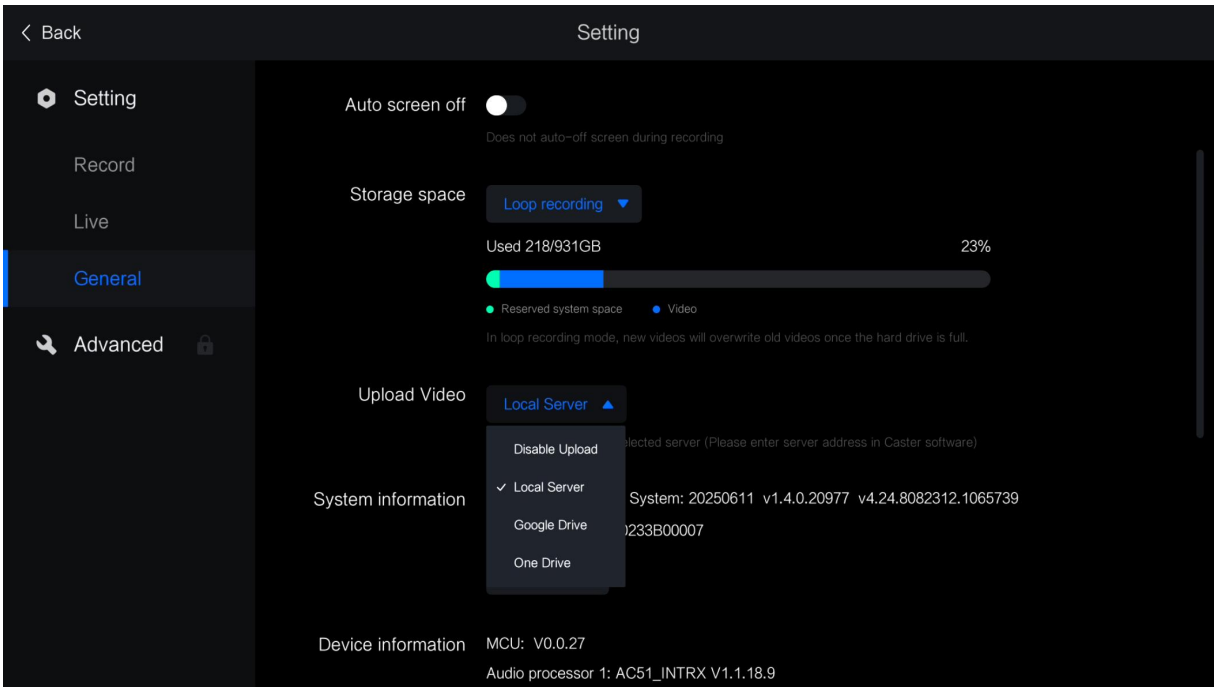
(3) General Settings

You can configure time, storage mode, video upload, firmware updates, log export, and more. Key features include:



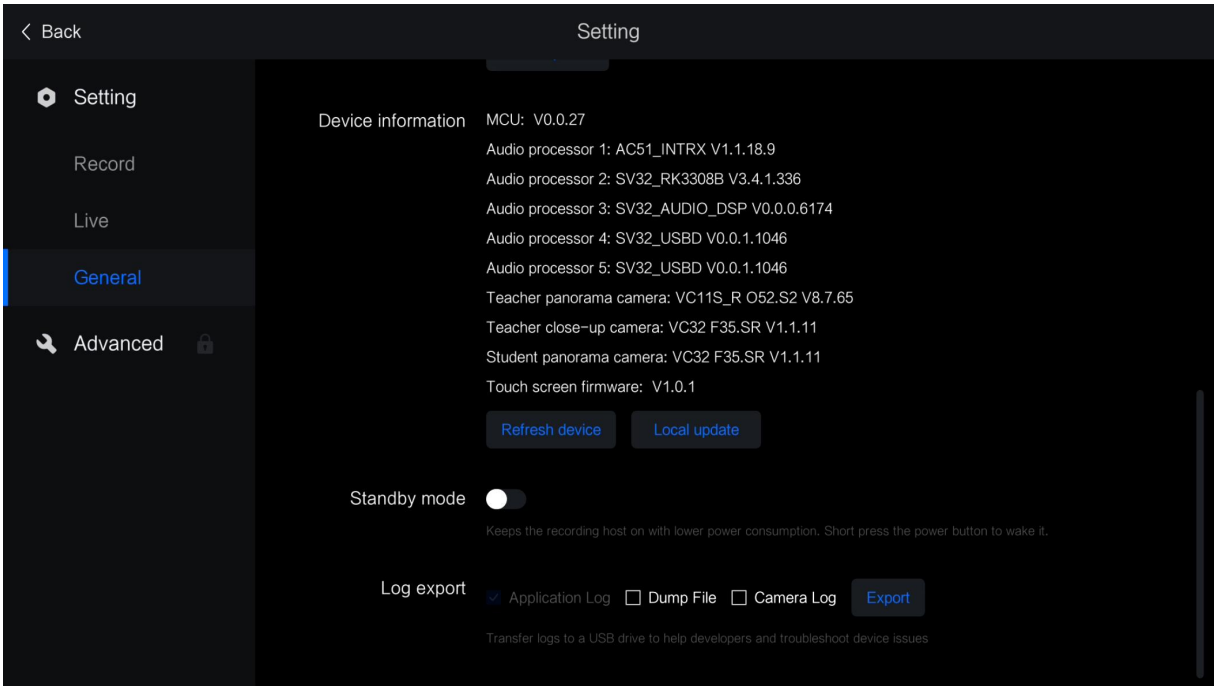
Video Upload

You can upload recorded videos to a local storage server, Google Drive, or OneDrive. Please select the target upload address before you start recording.



Log Export

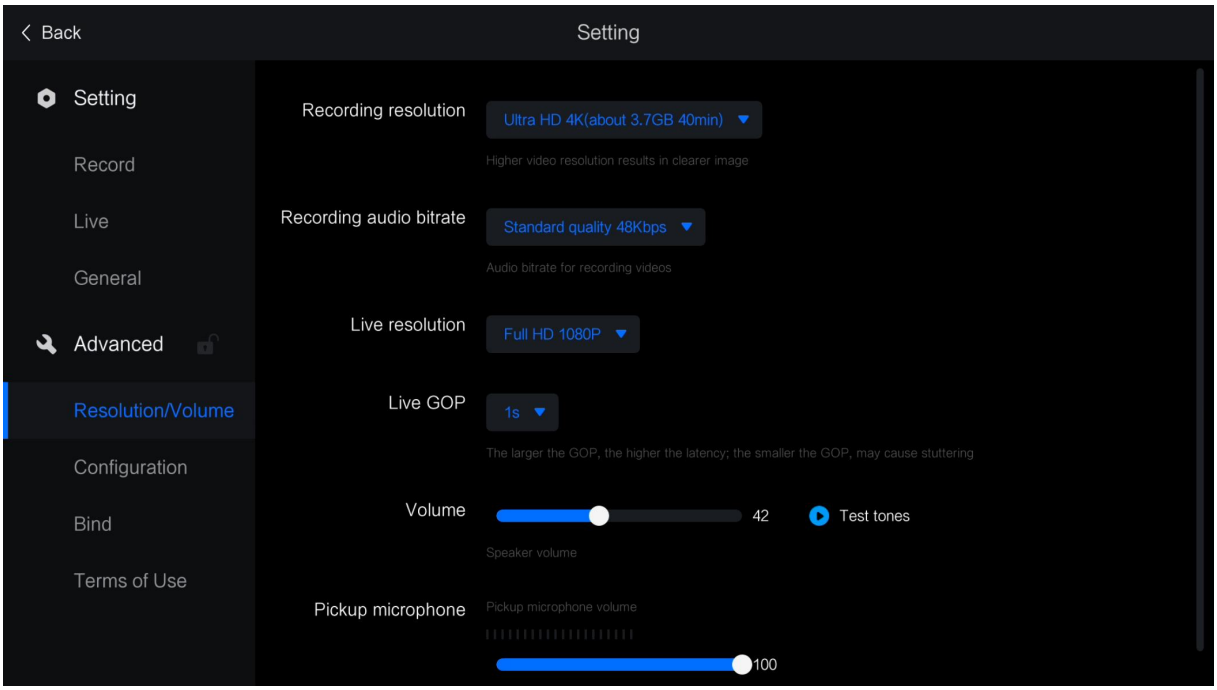
If the device malfunctions, engineers may ask you to export error logs for troubleshooting. Connect a USB drive, select the desired log type, and tap Export to save the logs.



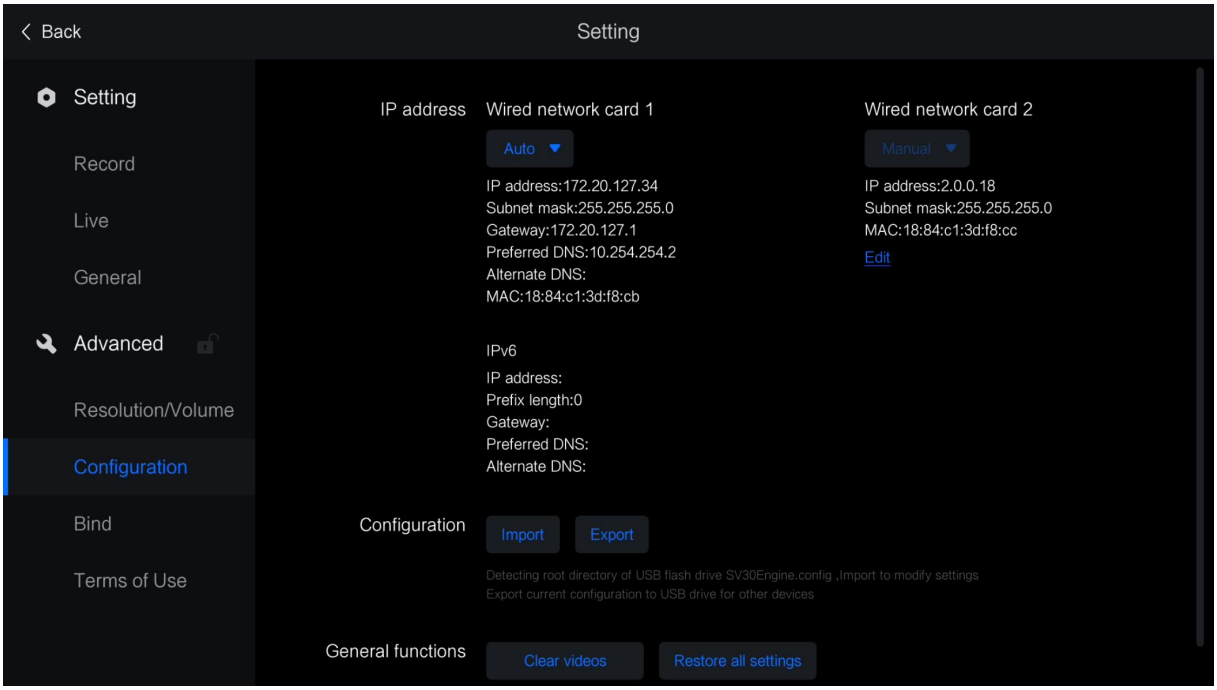
(4) Advanced Settings

To enhance security, accessing advanced settings requires password verification. Once verified, the following settings are available:

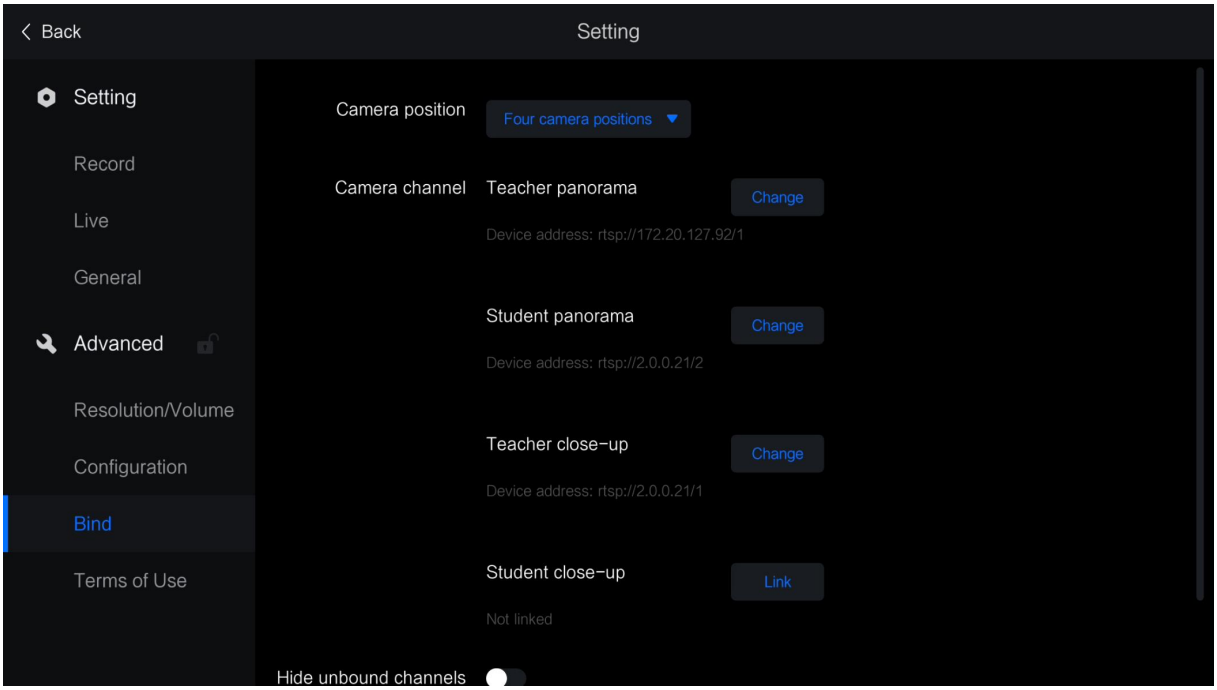
- **Recording/Streaming Resolution and Volume:** Adjust recording and streaming video quality and audio volume.



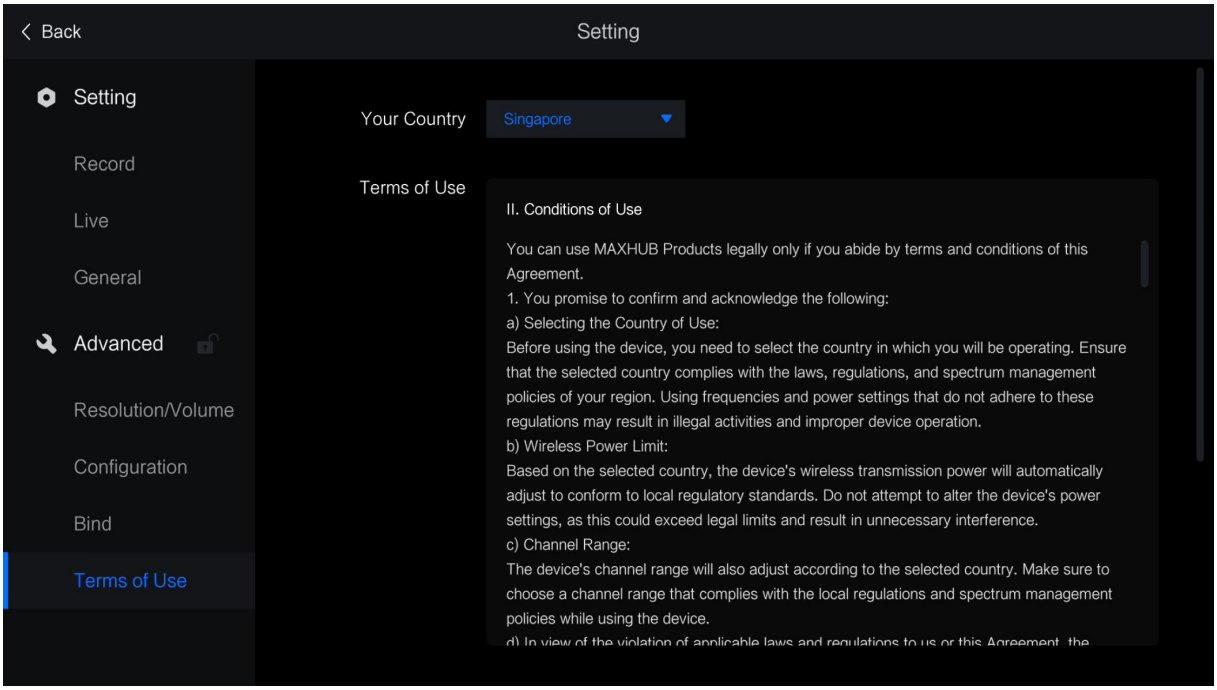
- **Configuration Information:** Configure network settings, import/export configuration files, or restore device to factory settings.



- **Camera Binding:** Choose the number of camera positions based on the number of cameras purchased. All positions support RTSP devices.

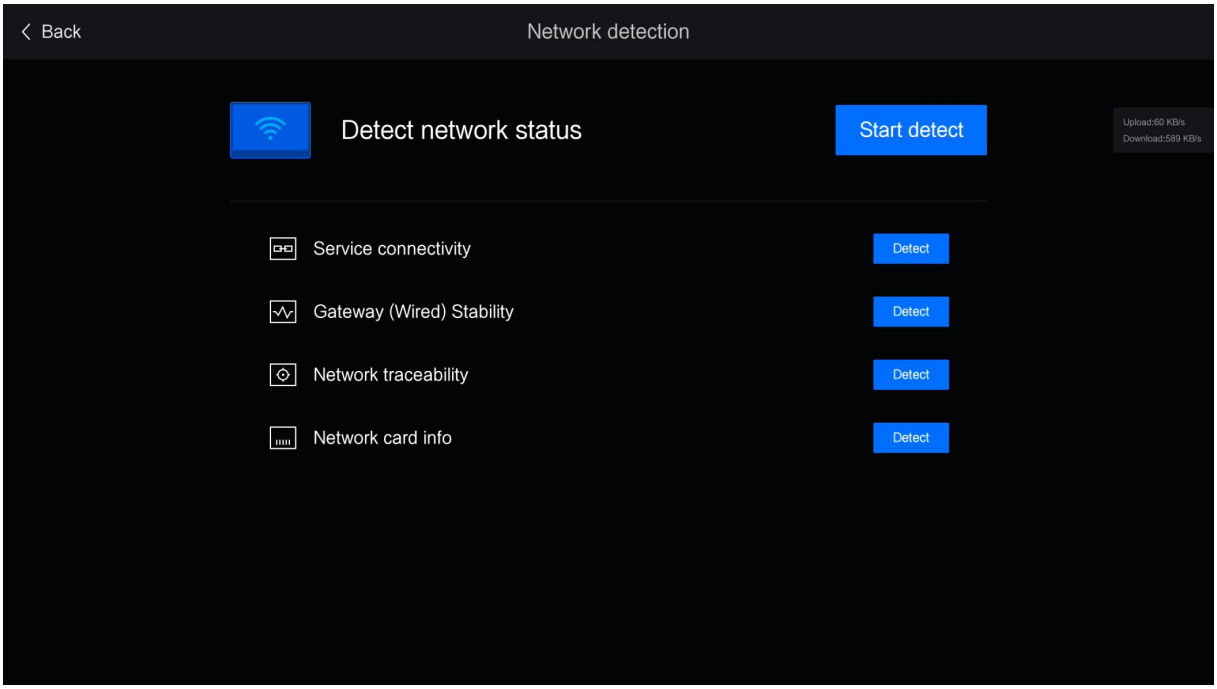


- **User Agreement:** View the user agreement and select the country/region of device use. Be sure to select the correct country to ensure compliance with local regulations.



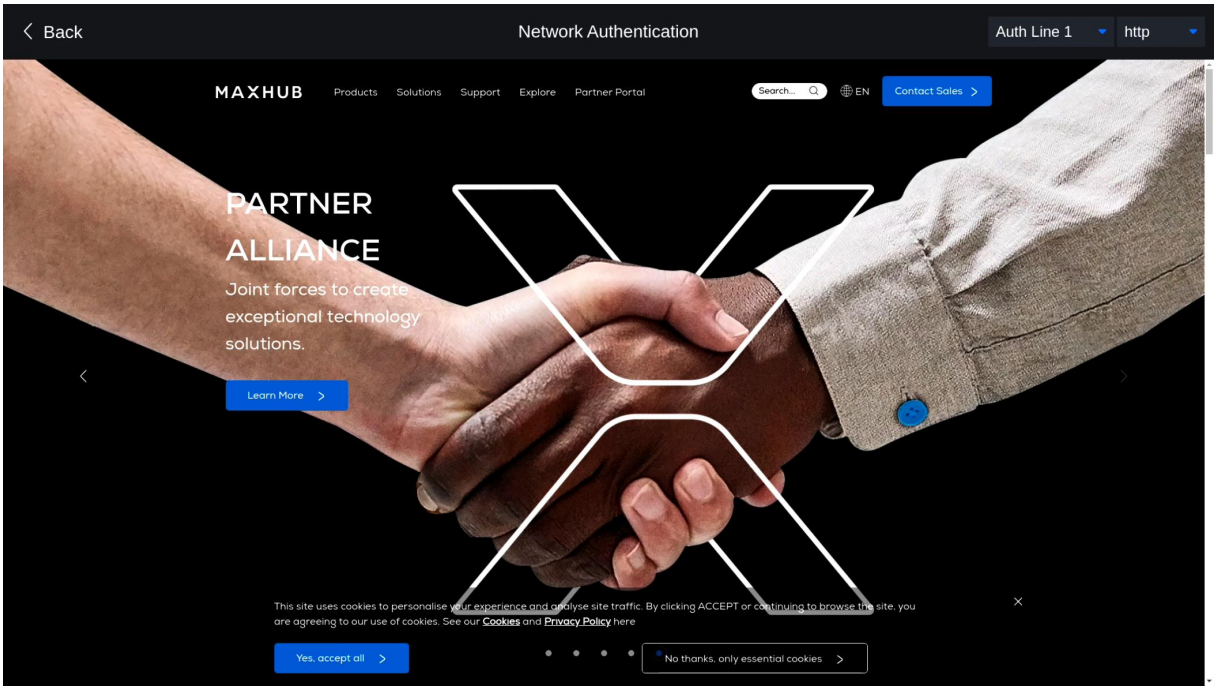
(5) Network Diagnostics

When the device encounters network issues, you can troubleshoot using the automatic network diagnostics feature. After clicking “Start Diagnostics,” please wait patiently for the results and handle any abnormalities according to the detection
feedback.



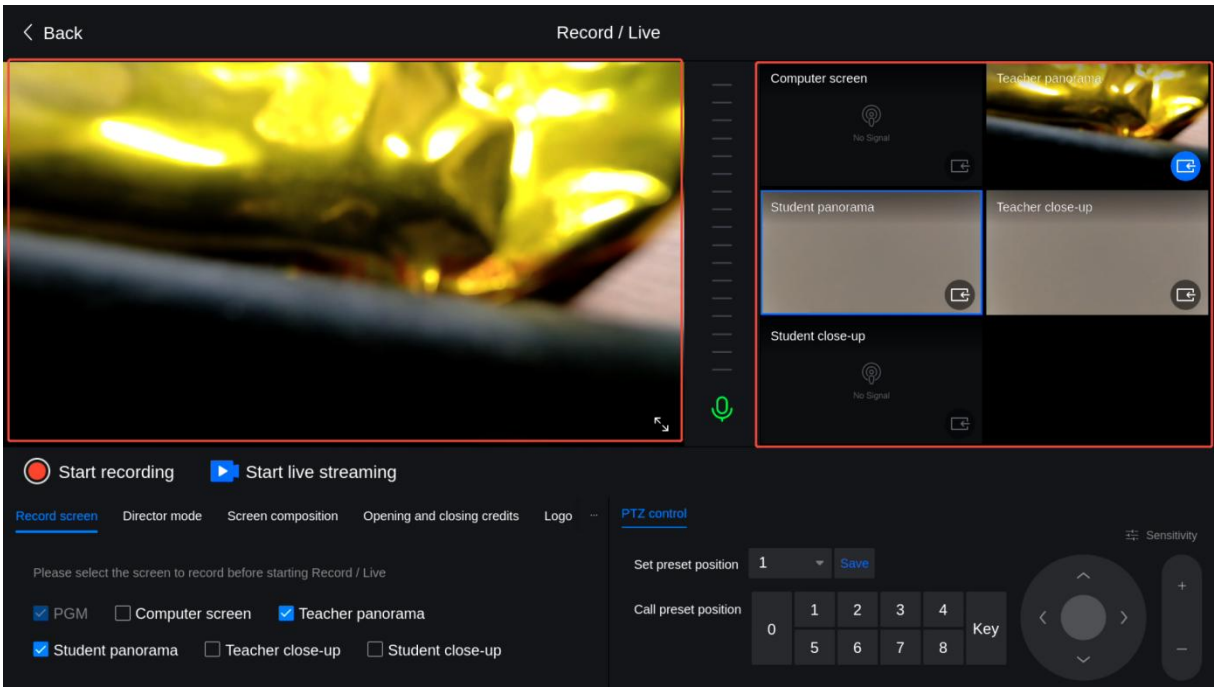
(6) Network Authentication

If the connected network requires authentication to be used, you can open the authentication page by clicking “Network Authentication.” Enter the correct username and password to authenticate and access the
network.



1. Recording/Live Streaming

(1) Video Preview



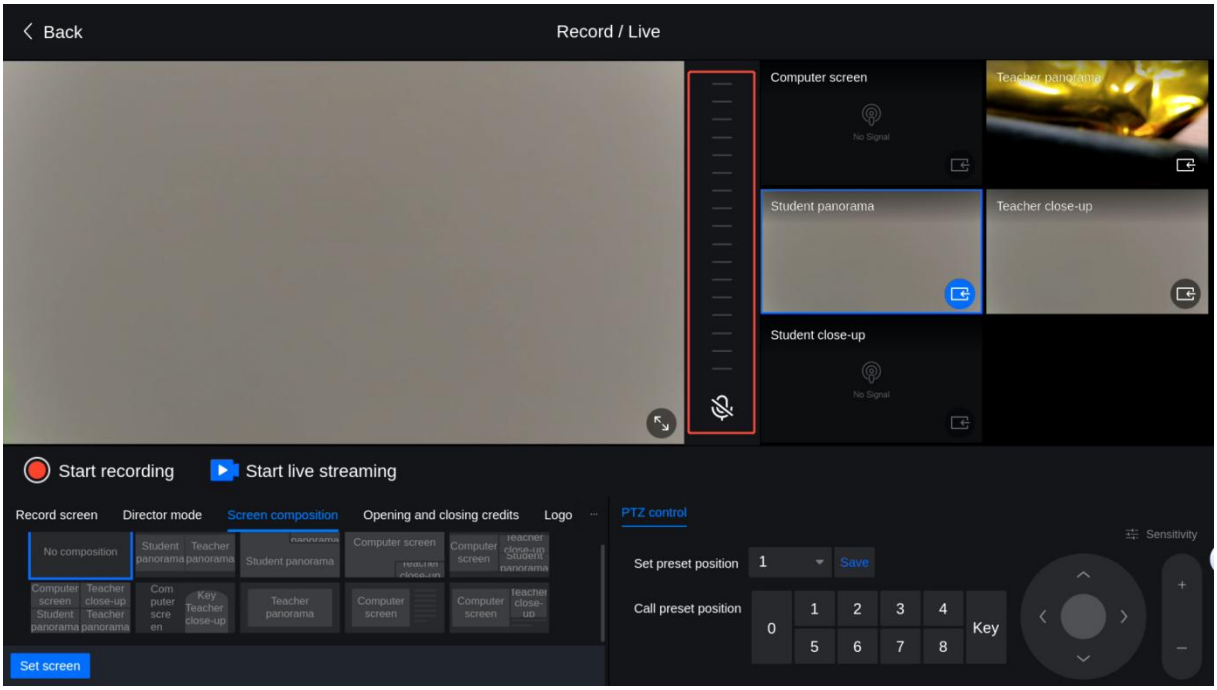
- The top left shows the director's view. This is a composite image selected in real time by the director from multiple cameras capturing different angles, ensuring a continuous and complete presentation of all key content without omission.

- The top right displays the individual video feeds from each camera. If a camera is not connected, it will show as no signal. Note: Computer screens are connected via HDMI; when you connect a computer with an HDMI cable, its screen will be displayed automatically.

(2) Audio Control

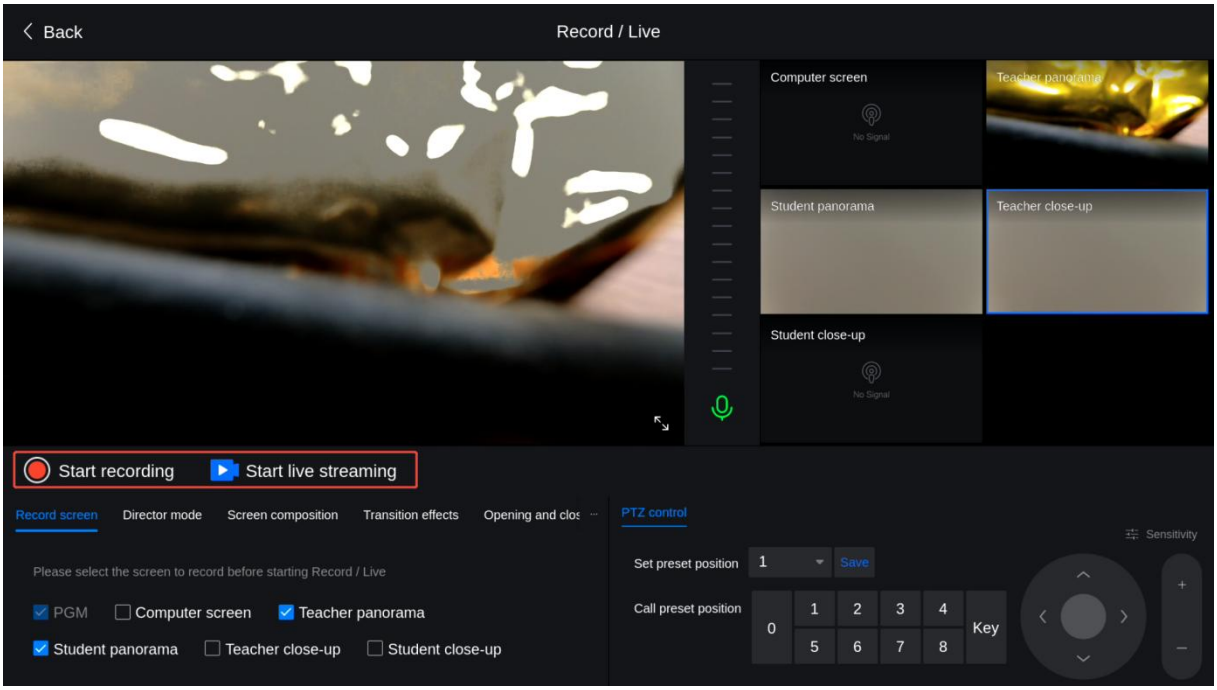
When audio input is detected, the volume bar will bounce dynamically. Click the “microphone” icon to mute

instantly.



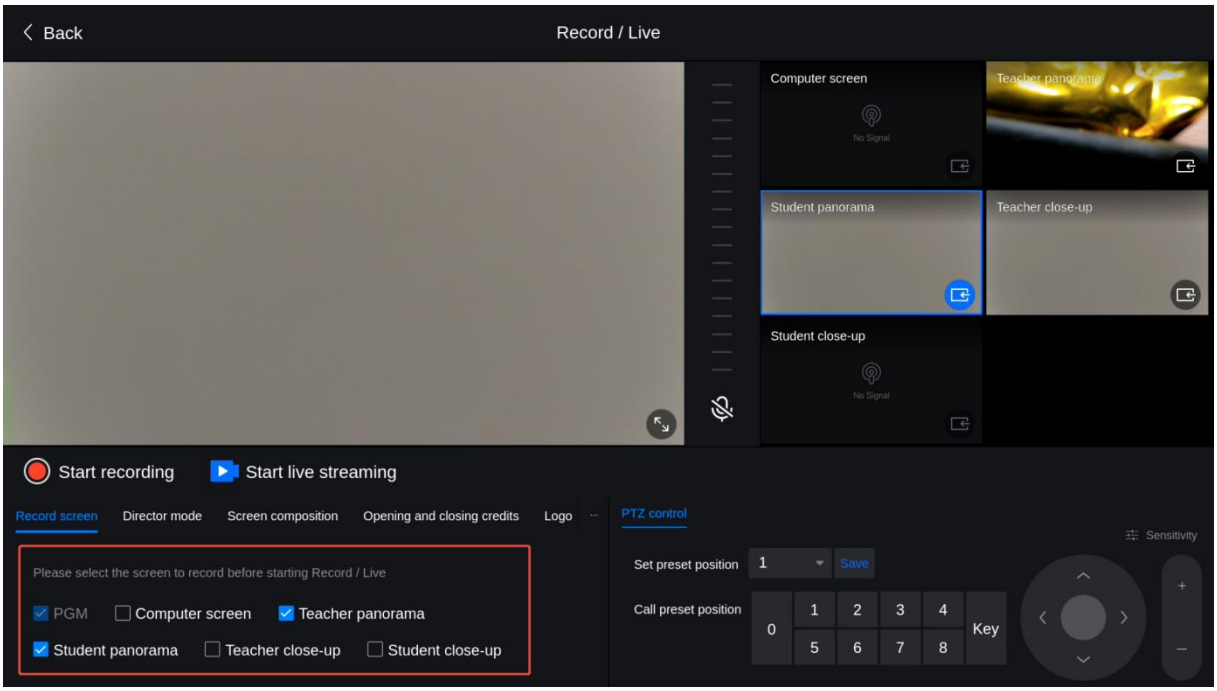
(3) Start Recording & Live Streaming

Click the “Start Recording” or “Start Live Streaming” button to enter recording or streaming mode.



(4) Recording Sources

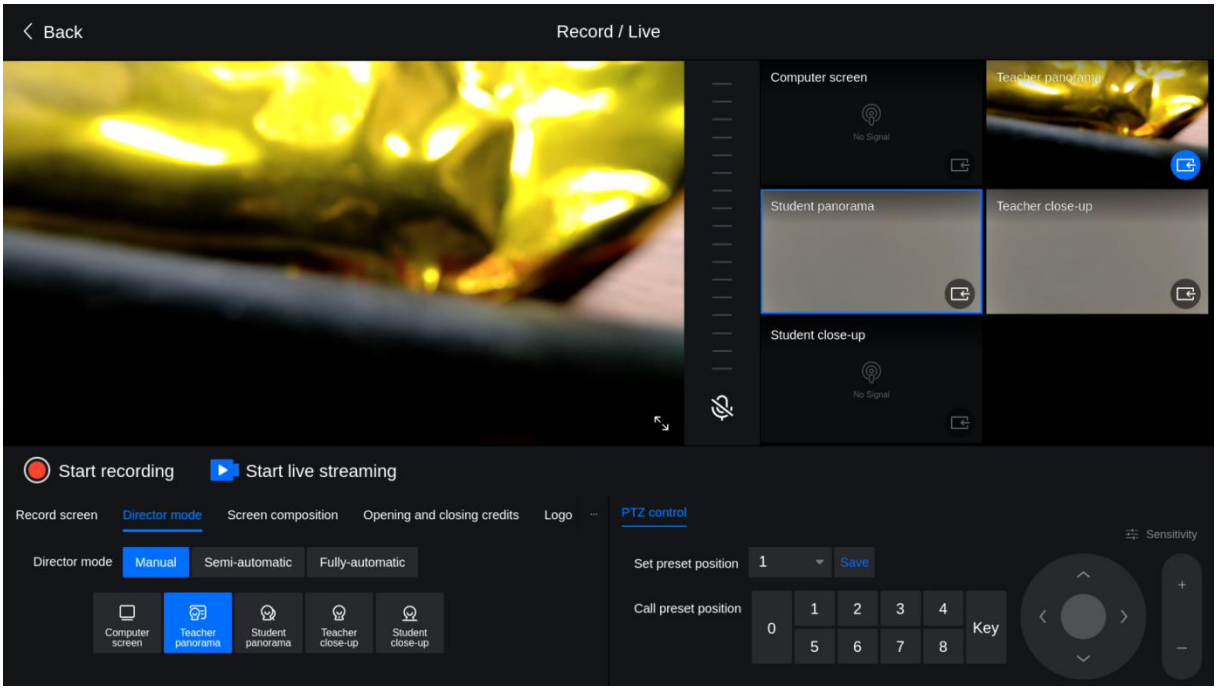
You can choose which video feeds to record. Please select desired sources before starting the recording.



(5) Director Mode

Multiple director modes are available and can be modified at any time:

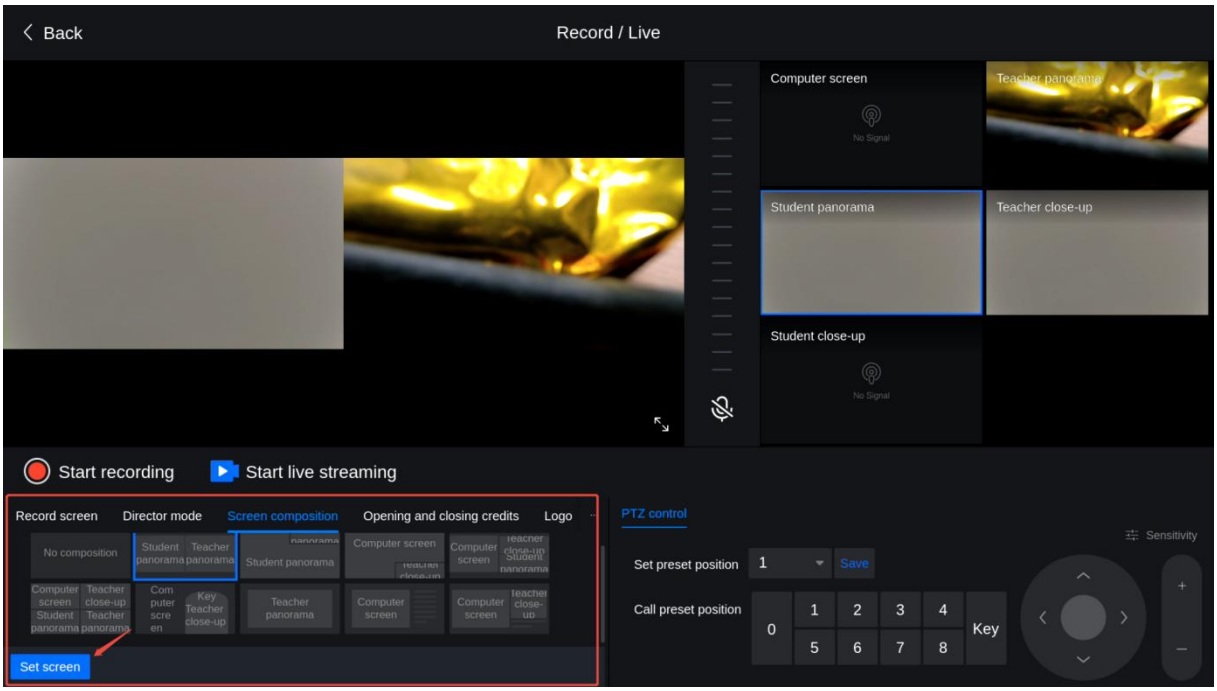
- Manual: Cameras do not auto-track, and director's view will not auto-switch.
- Semi-auto: Cameras will auto-track, but director's view will not auto-switch.
- Full-auto: Cameras will auto-track, and director's view will auto-switch.



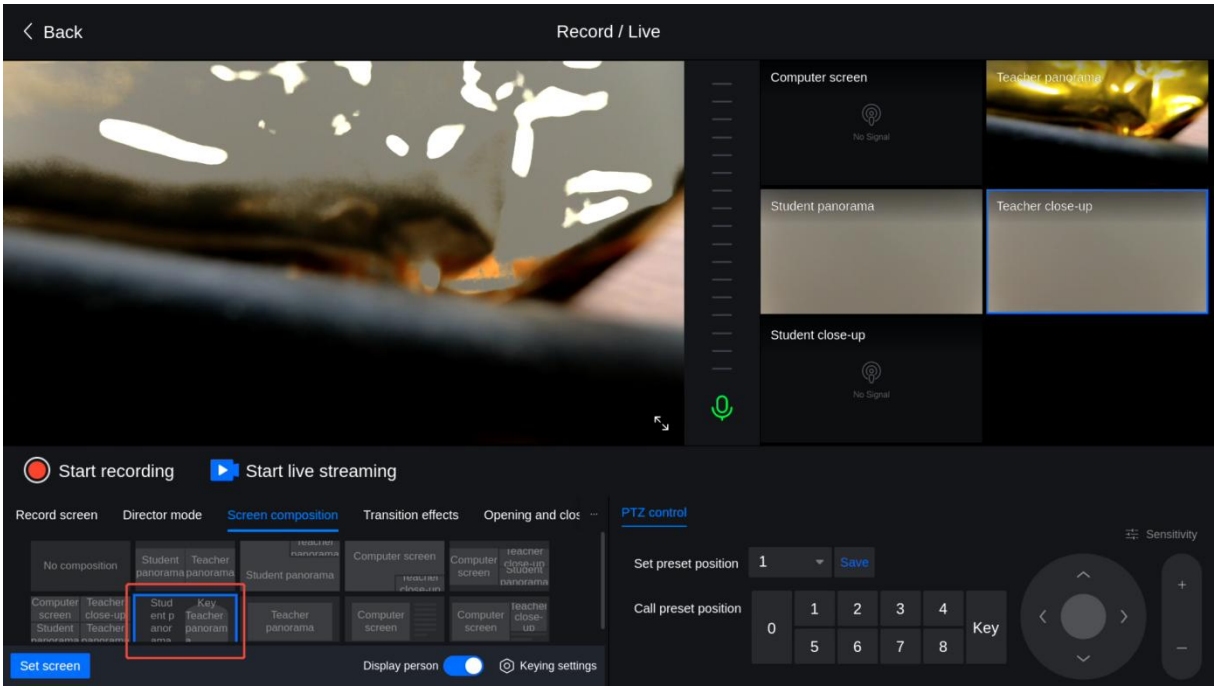
(6) Video Compositing

Multiple layout modes are available for combining video sources as needed. For multi-view layouts, you can use automatic screen

combination.



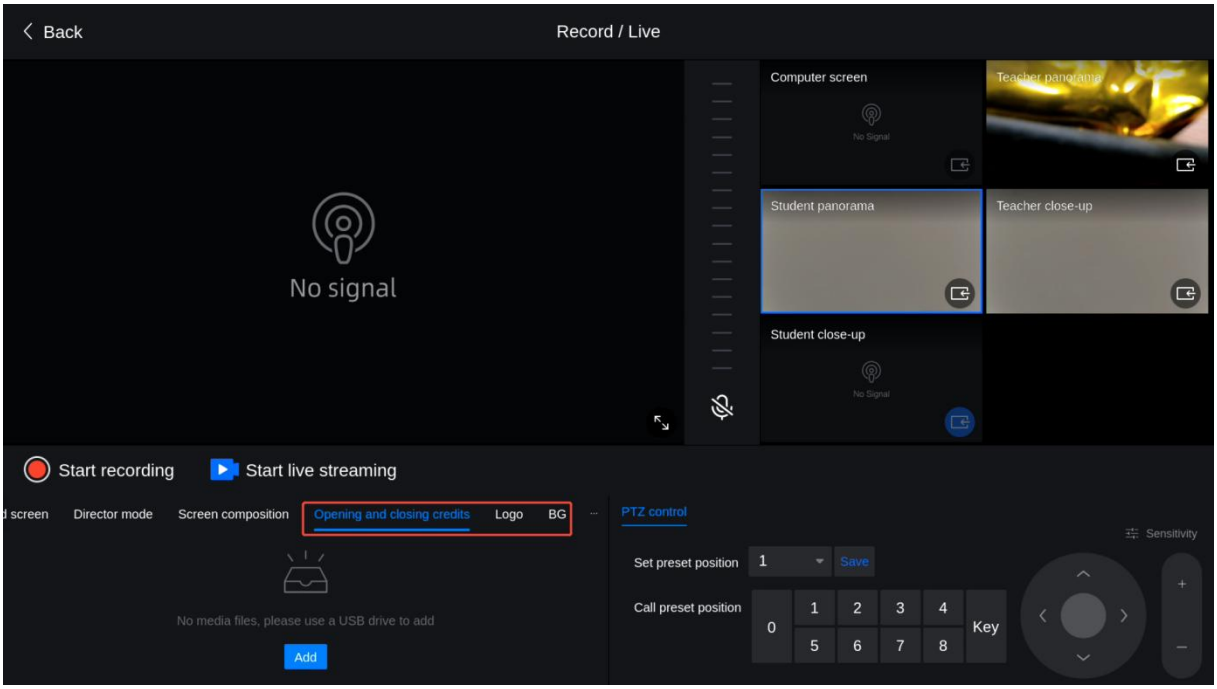
Special Note: If you need chroma keying (green screen), please select the corresponding mode.



(7) Materials: Intro/Outro, Logo, Background Images

You can upload images or videos from a USB drive as media materials. These can be added during recording to enrich your video

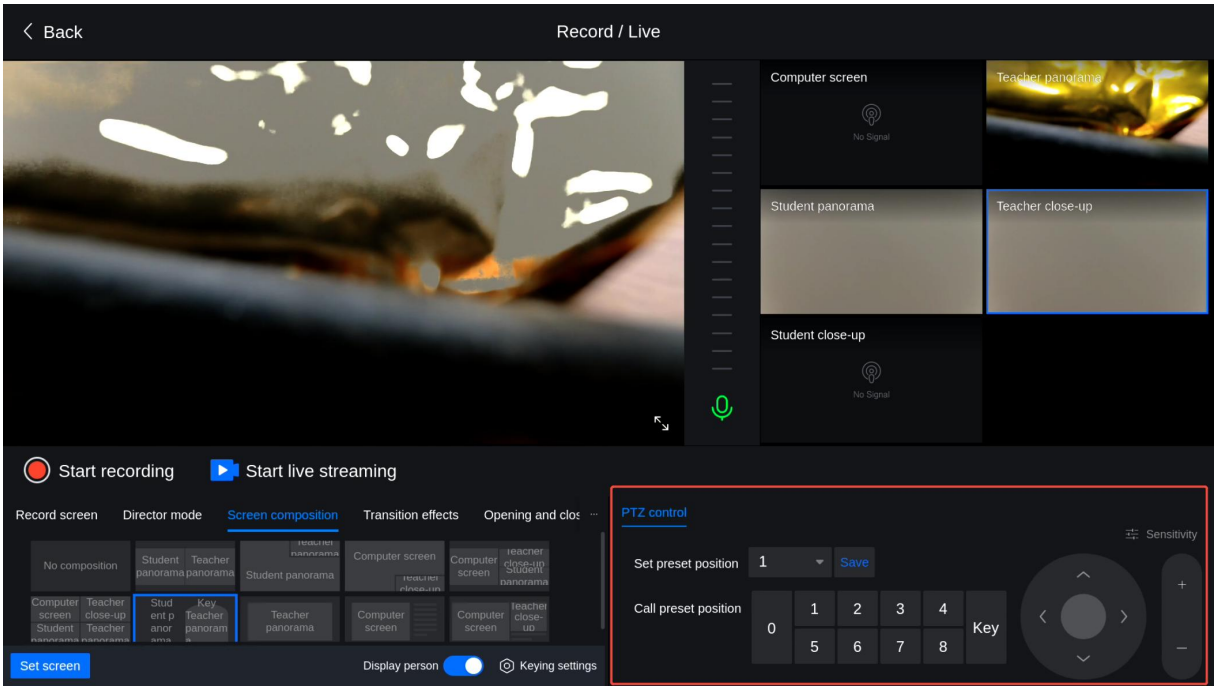
presentation.



(8) PTZ (Pan-Tilt-Zoom) Control

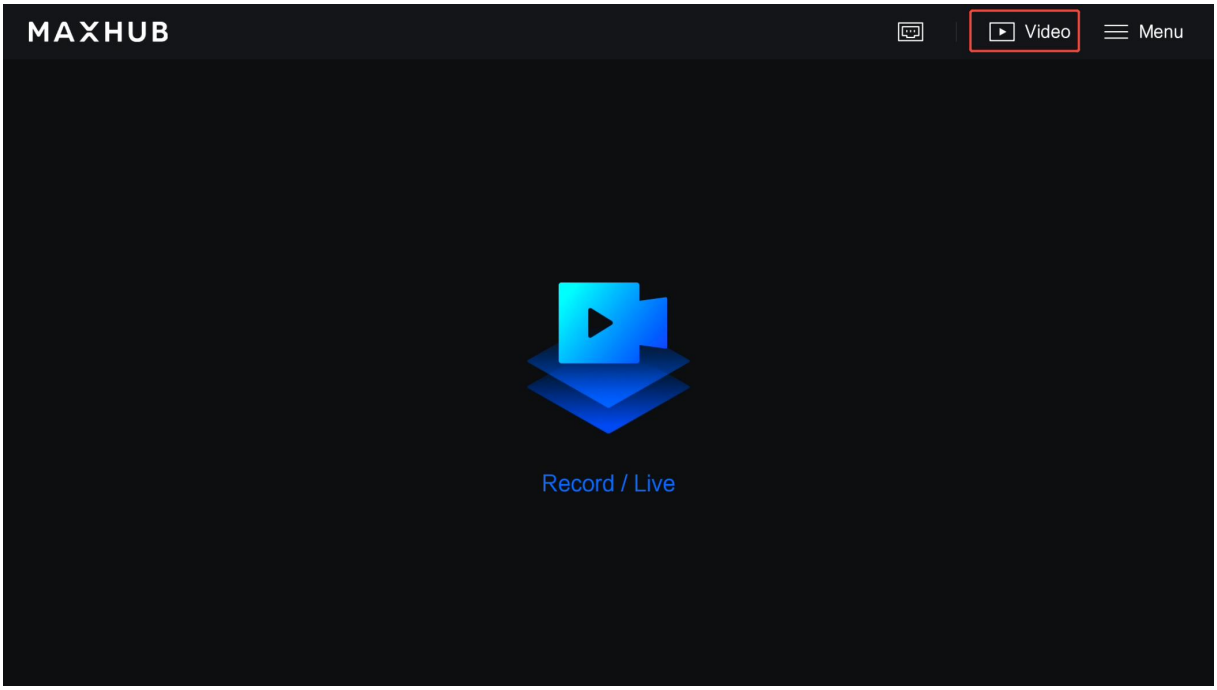
Some cameras support PTZ control to adjust angles. If a camera doesn't support this feature, the module will be disabled. PTZ functions include:

- **Set Preset Positions:** Frequently used shooting positions can be saved (up to 9 presets).
- **Recall Presets:** Select a preset number to automatically move the camera to that position.
- **Camera Movement:** PTZ can move in multiple directions (up, down, left, right, etc.).
- **Zoom Control:** Use "+" or "–" to zoom in or out.

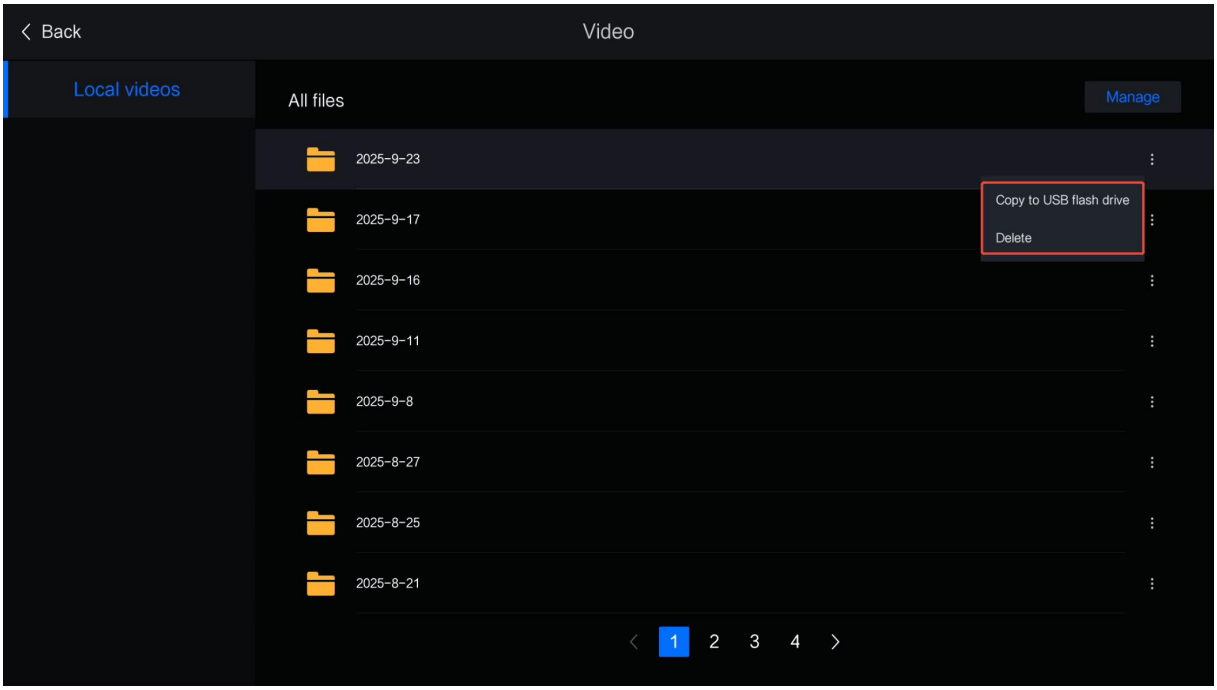


2. Video Management

After recording ends, videos are automatically archived. You can view your recordings in the video management module.



- Videos are organized by date. Click on the desired date's folder to view videos. Playback, deletion, and copying are supported. To copy videos, please insert a USB drive before copying.

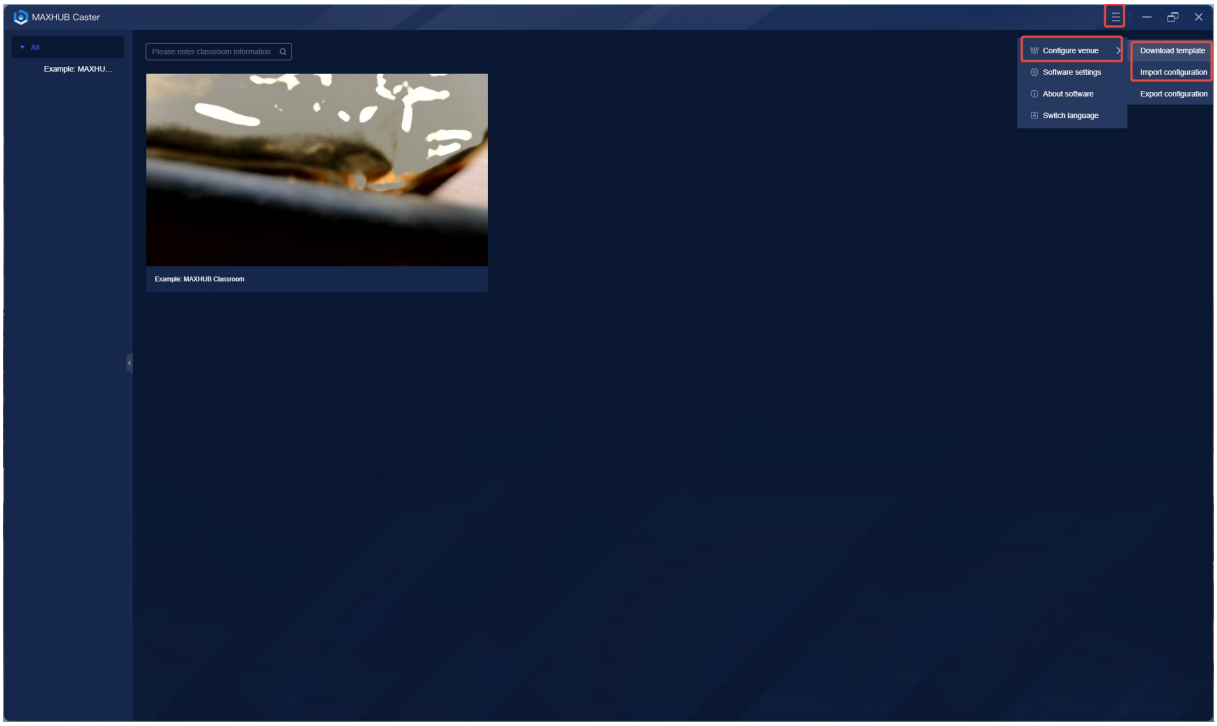


(4) MAXHUB Caster

MAXHUB Caster enables remote (same local network) connection to the lecture capture host for previewing and operating video feeds.

1. Adding Devices

For first-time use, add your devices. Please export the template, fill it out as required, and import it back.



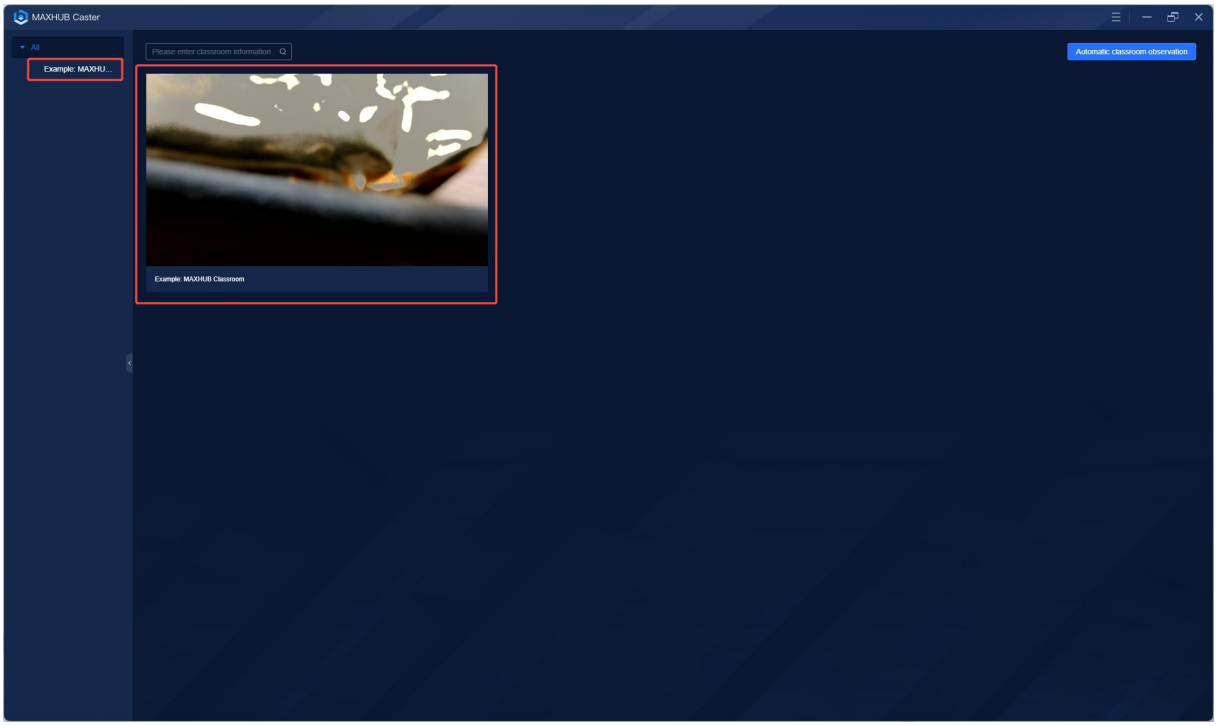
- Multiple devices can be added at once.

Instructions:
1. Do not modify the content of the template from lines 1 to 3. Enter the venue configuration information starting from line 4.
2. * Indicates a required field.
3. Each venue should be configured with 1-7 streaming addresses, limited to RTSP streams. If there are more than 7 addresses, only the first 7 will be imported. The first streaming address will be used as the venue preview.
4. Each venue can select a maximum of 1 streaming address as the audio source. If no selection is made, the first address will be used by default. Enter "1" for "Yes" and "0" for "No" in the input.
5. The streaming address format is as follows:
Director image: rtsp://capture host IP/live/ch0_1
HDMI image: rtsp://capture host IP/live/ch1_1
Teacher Panorama image: rtsp://capture host IP/live/ch2_1
Teacher Close-up image: rtsp://capture host IP/live/ch3_1
Student Panorama image: rtsp://capture host IP/live/ch4_1
Student Close-up image: rtsp://capture host IP/live/ch5_1
Capture Host Screen image: rtsp://capture host IP/live/ch6_1

Venue Configuration

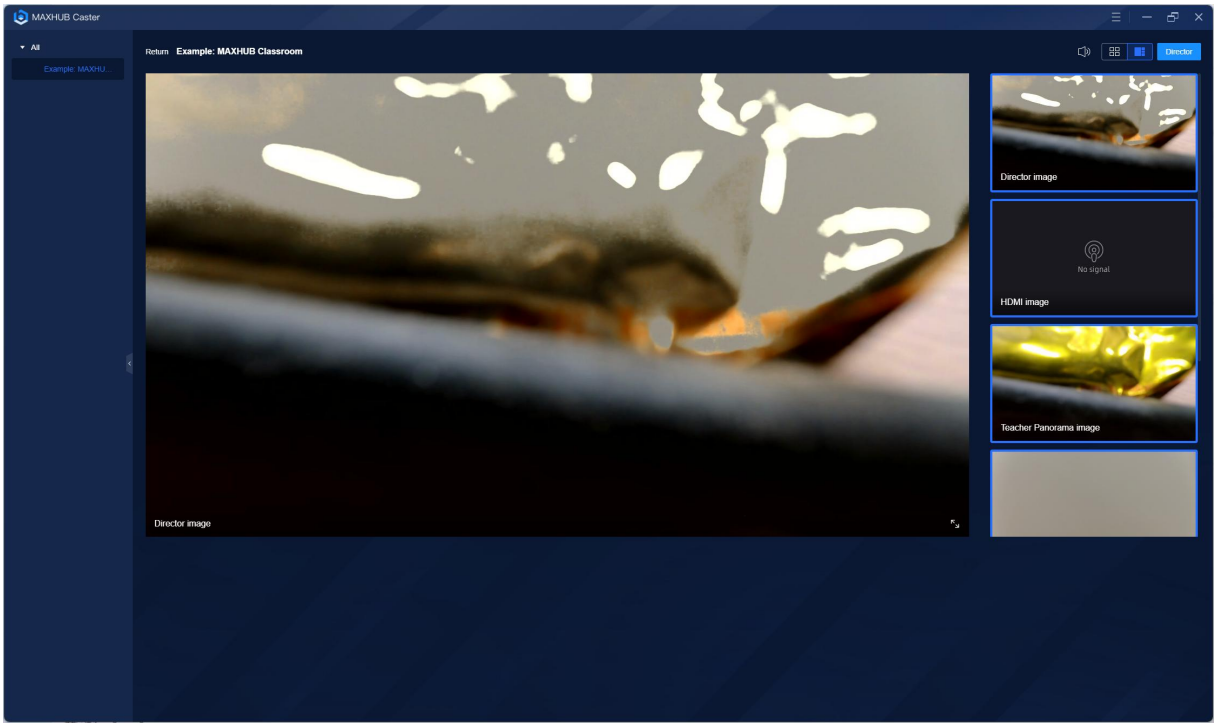
*Venue Name	Capture Host IP	Image name	*Streaming Address	Used as Audio Source
Example: MAXHUB Classroom	172.20.127.34	Director image	rtsp://172.20.127.34/live/ch0_1	1
Example: MAXHUB Classroom	172.20.127.34	HDMI image	rtsp://172.20.127.34/live/ch1_1	0
Example: MAXHUB Classroom	172.20.127.34	Teacher Panorama image	rtsp://172.20.127.34/live/ch2_1	0
Example: MAXHUB Classroom	172.20.127.34	Teacher Close-up image	rtsp://172.20.127.34/live/ch3_1	0
Example: MAXHUB Classroom	172.20.127.34	Student Panorama image	rtsp://172.20.127.34/live/ch4_1	0
Example: MAXHUB Classroom	172.20.127.34	Student Close-up image	rtsp://172.20.127.34/live/ch5_1	0

- After successful import, the list of devices will be shown on the interface.



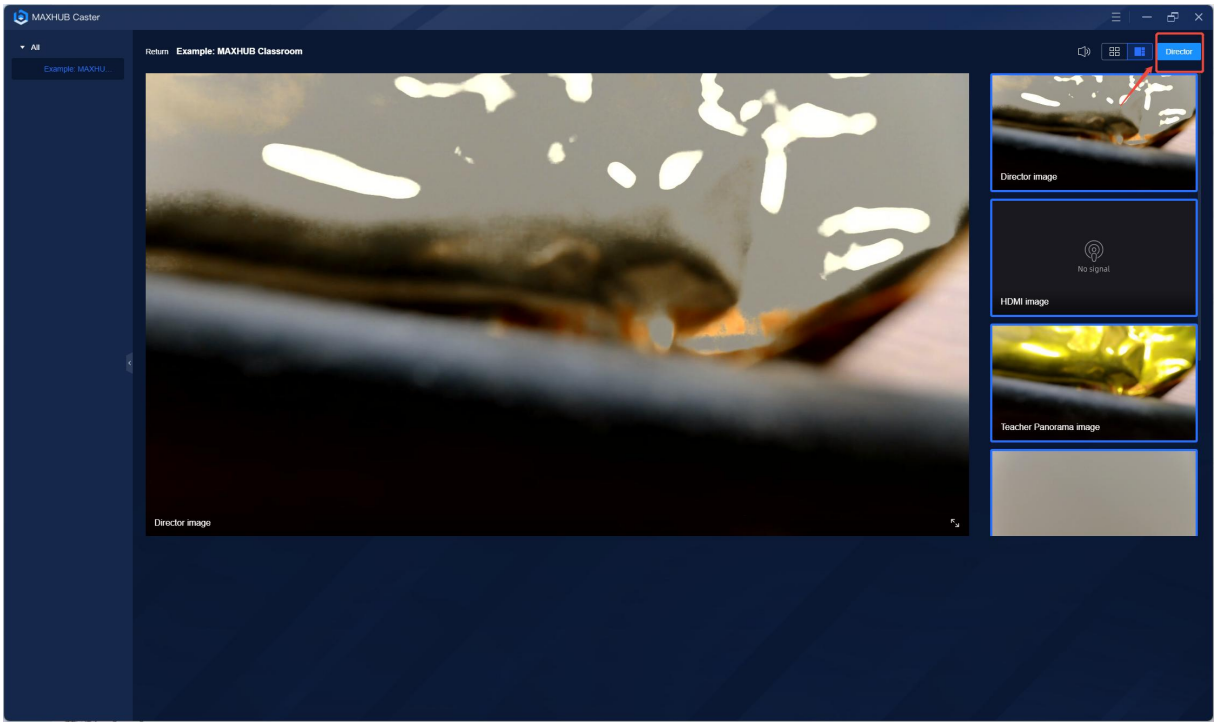
2. View Device Video Feeds

Click the device you wish to view to display all of its video feeds.



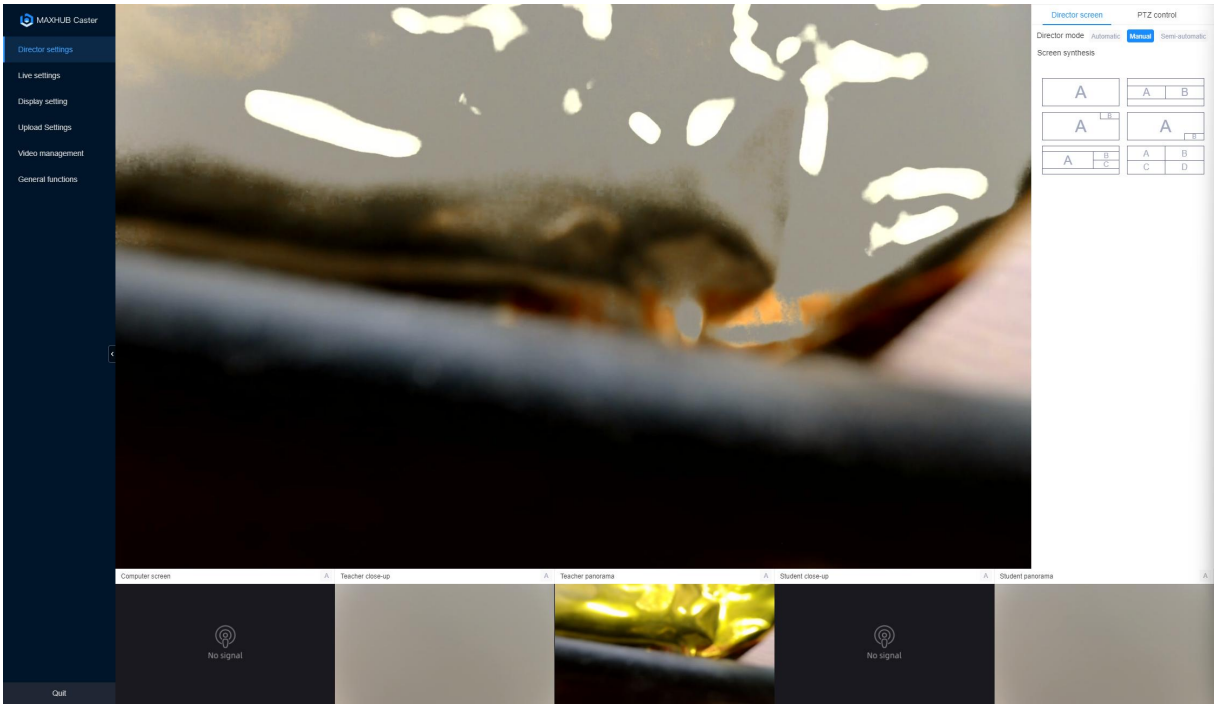
3. Device Control

Click the "Director" button to open the device control interface.

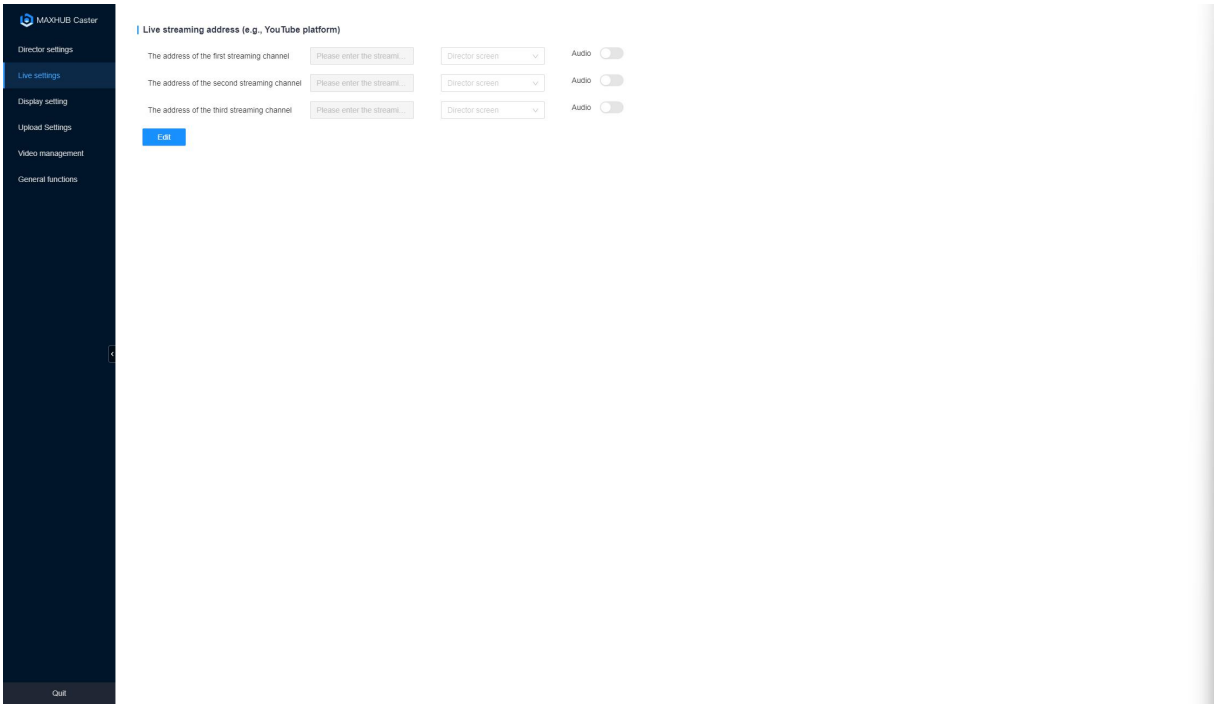


From the device control page, you can:

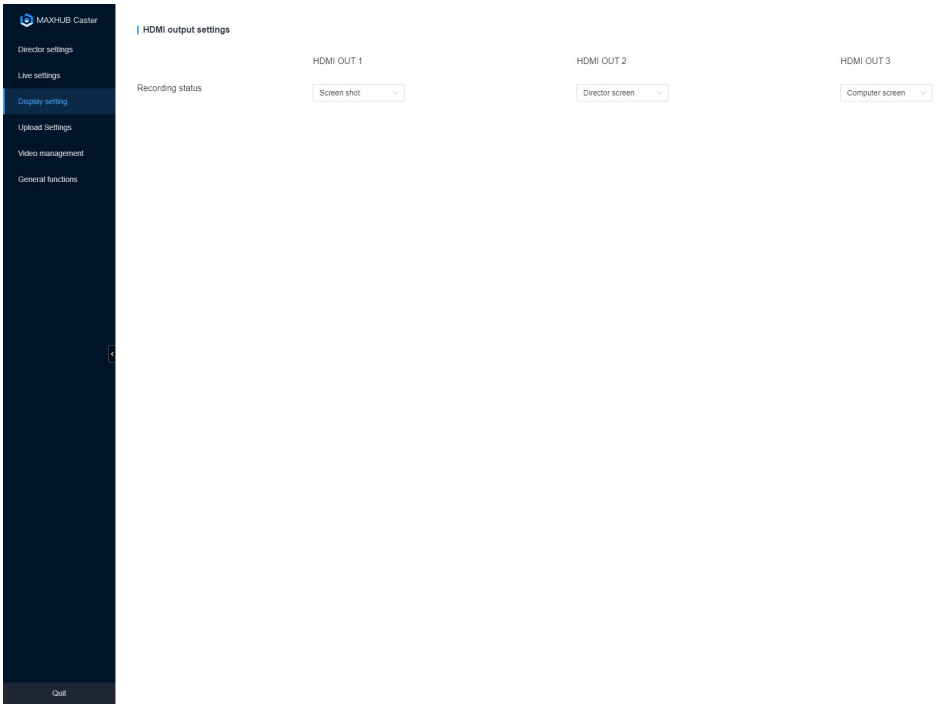
- Preview and switch video feeds, composite layouts, and move PTZ cameras



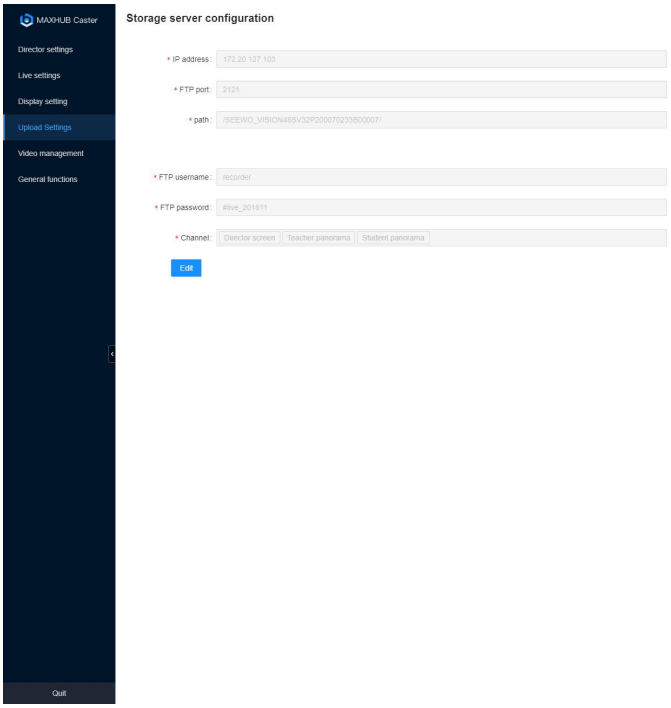
- Configure streaming output address: Push the host's video to live streaming platforms



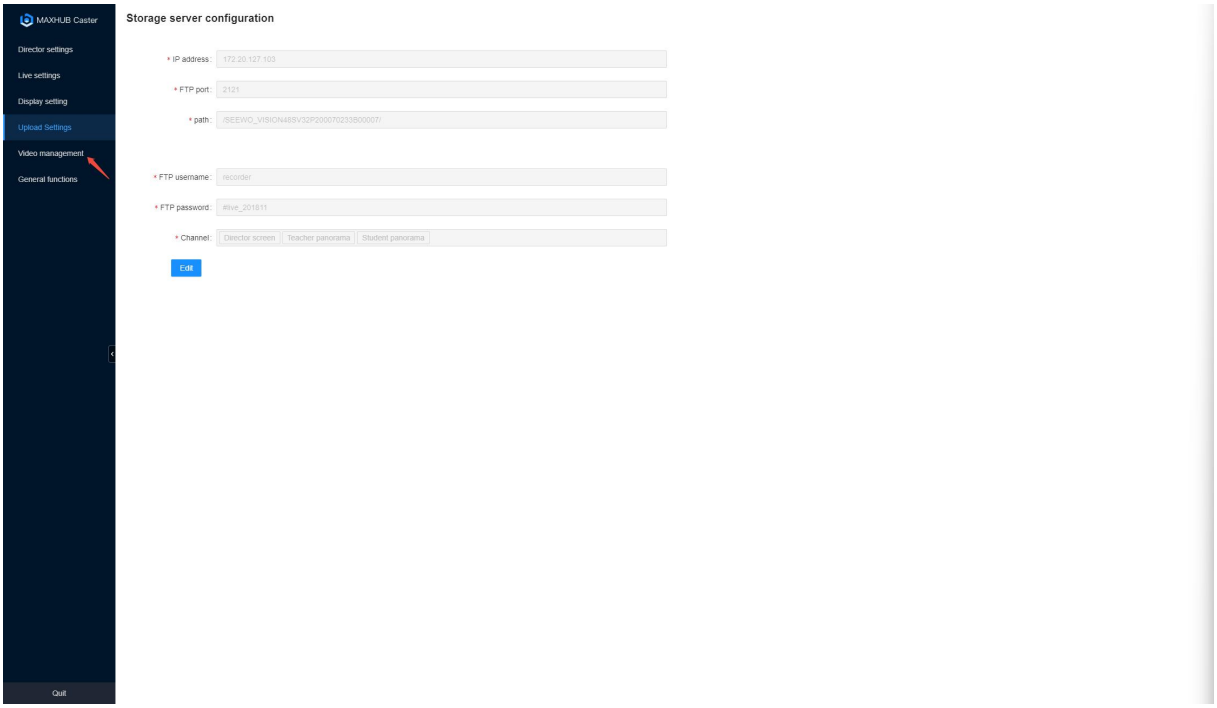
- Configure HDMI OUT video output: Choose which video source(s) to output



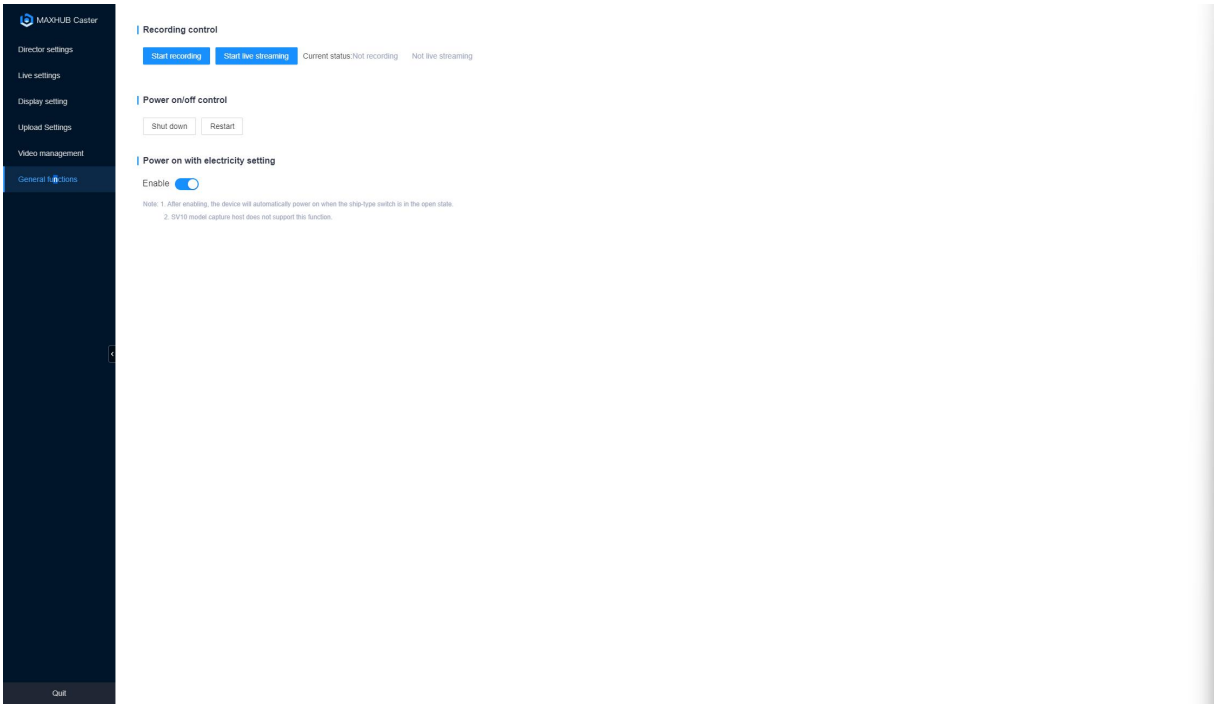
- Configure local storage server: Upload recording files to local servers



- Download videos: Access the list of recorded videos on the device



- Remote control: Start/stop recording, start/stop live streaming, power off, and restart the device



This concludes the user instructions for the Capture Host. If you have any questions or feedback, please feel free to contact us!