mini Streaming Switcher





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Product Overview

Key Features

- 4 HDMI® (2.0) inputs, 2 HDMI 1.3 output
- HDMI output can be set to 6-window Preview, Program or Inputs 1~4
- 2-inch TFT full color touchscreen built in for signal monitoring and menu operation
- Support MIC and LINE audio input, multi-channel mix audio
- Image scaling & cropping
- PIP function including PBP for layout setting
- USB 2.0 recording function, supporting exFAT and FAT32 formats
- T-Bar seamless transition including CUT | FADE
- 15 transition effects
- LOGO overlay
- web APP & open API for remote control
- Air cooling design to secure 24/7 stable operation
- Integrated design, easy to carry

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE : HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

In the Box

Power Adapter
(PD 12V/2.5A)



USB 3.0 AV
Capture Cable



Type-C PowerCable



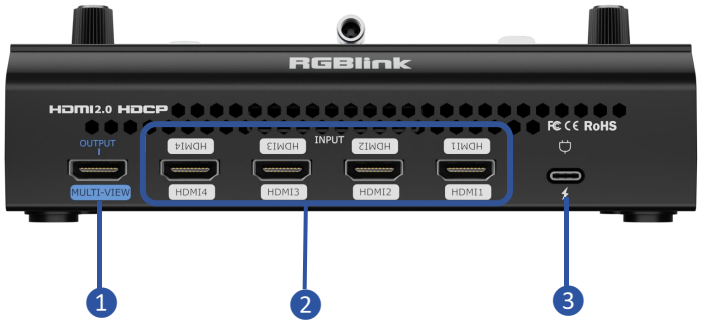
Front Panel



❶	VOLUME/X Knob	Adjusts volume. In PIP mode: Adjust layer width and horizontal position. In PTZ mode: Adjust camera left/right position, zoom and focus.
❷	S Shortcut Key	Press to quickly enter the function interface. Press repeatedly to switch functions in the following order: Effects, Switching Mode, PIP, View, Record, and Stream.
❸	Touchscreen	Real-time preview of 4 video inputs or displays the menu interface for touch operation.
❹	M (Menu) Key	Menu key and return key.
❺	Y Knob	Y: Rotate left/right to select menu items. Press: confirm and enter the next interface. Enter PTZ setting interface when using the touchscreen for signal monitoring. In PIP mode: Adjust layer height and vertical position. In PTZ mode: Adjust camera up/down position.
❻	1, 2, 3, 4	4 input signals: Red light: signal on the output program. White light: Signal ready to switch. Green light: signal on the preview window. No light: No input signal detected.
❼	T-Bar	Manual Transition Effect switching. Signal source cannot be switched if the T-Bar is not in the right position (leftmost end or rightmost end).

Note: The mini basic version does not include HDMI output. If needed, subscribe to PGM HDMI on the TAO Cloud.

Interface Panel





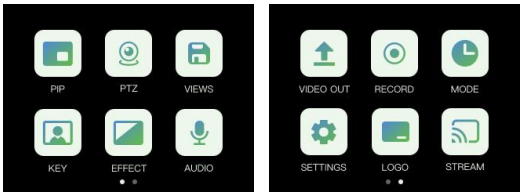
❶	MULTI-VIEW	Multi-screen preview output port (default).
❷	HDMI IN	4 HDMI input ports for connecting devices like HD cameras or computers.
❸	USB-C Power Port	TYPE-C power interface.
❹	AUDIO IN/OUT	Line in: Analog audio input for microphones. Audio out: Analog audio output for speakers.
❺	LAN	Network connection for web App control and push streaming.
❻	RECORD	Recording port for USB drives or external hard drives to record live content.
❼	HDMI OUT	HDMI output port for multi-screen preview or main output.
❽	USB	USB 3.0 port for capturing the signals and streaming via third-party software to live platforms.

Use Your Product

Power on

After powering on, the device displays the startup screen on the built-in TFT touch screen.





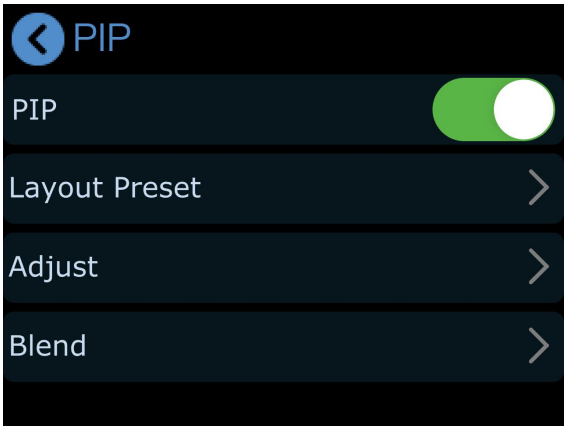
Main Menu

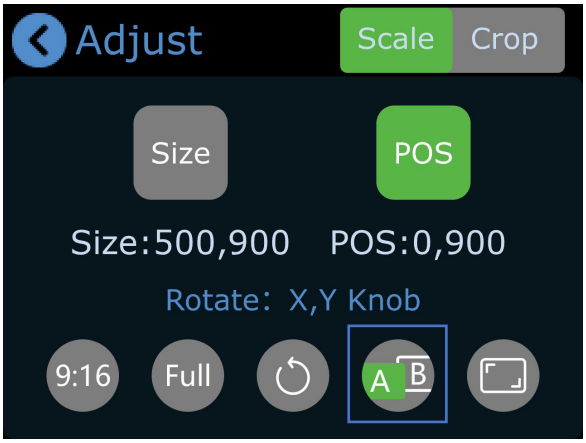
Touch icons to enter corresponding functions. Slide to switch icons.

Picture in Picture (PIP)

Enable PIP

Press the PIP icon in the main menu or press the S button to enter PIP adjust settings.



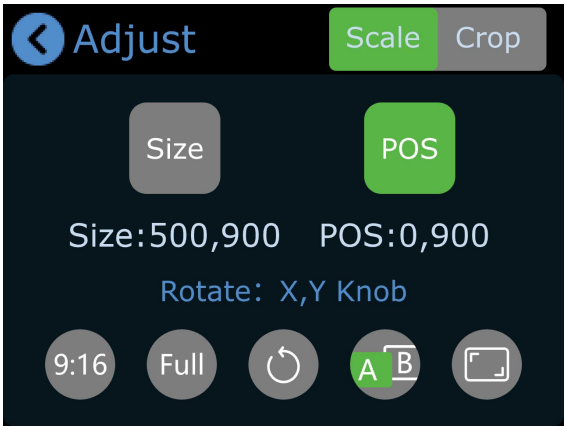


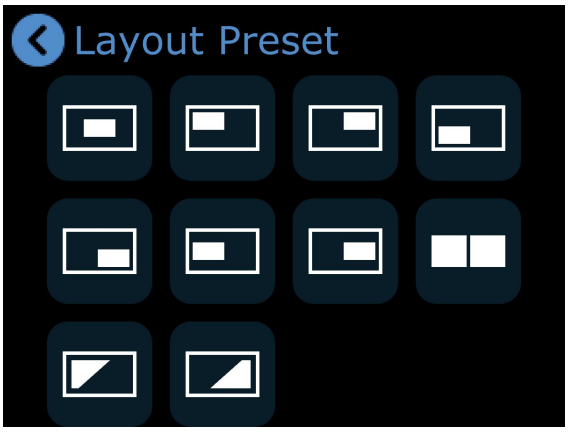
Select main and sub-screens

Press “Adjust” in the PIP interface and select A/B icon. If the main layer icon, A, is green, the corresponding signal button will flicker. Press another signal to change the current A layer if needed. Press the A/B icon again to switch to adjust layer B.

Layer Adjustment

Enter the Adjustment page, select the layer (A/B), and use the X/Y knobs to adjust width/height or select a 9:16 aspect ratio. Or scale the selected layer Proportionally using the last icon. Use "Full" for full-screen or "Reset" to restore default settings.





Layout

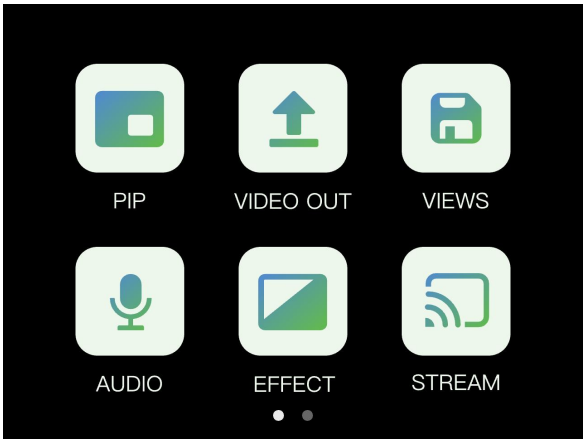
Press "Layout" to choose from 10 default layouts.

Enable Blending

Enable blending to switch between A/B modes and adjust width/position.



View



Save a View

Press the "View" icon to save or switch views.

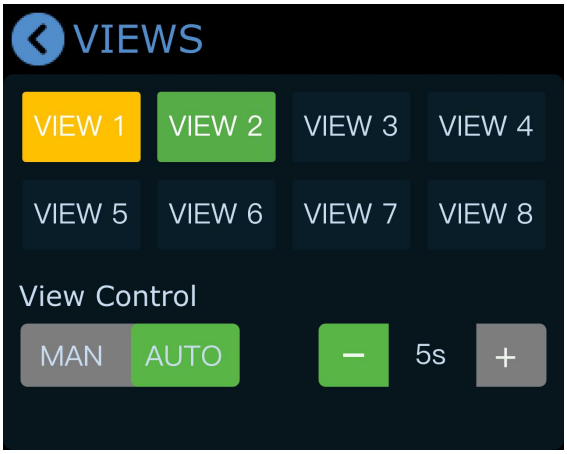
Yellow: View being edited.

Green: Saved view.

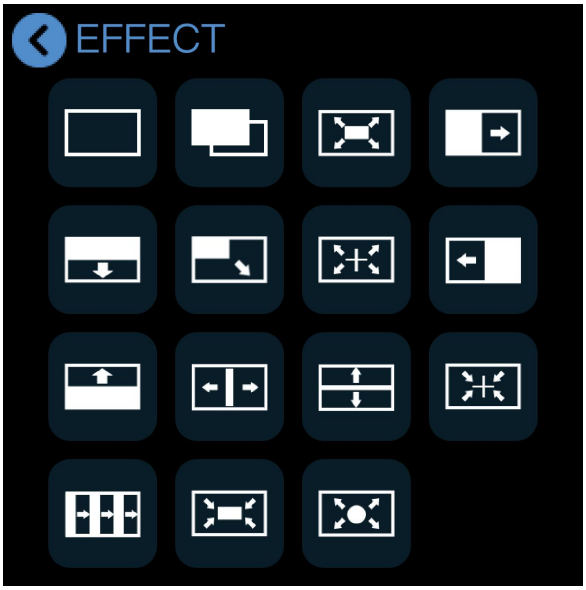
Gray: No saved view.

Interface Operations

1. Light press to save the current preview to a view.
2. Choose manual or automatic view switching.
3. Set view switch duration.



Transition Effect



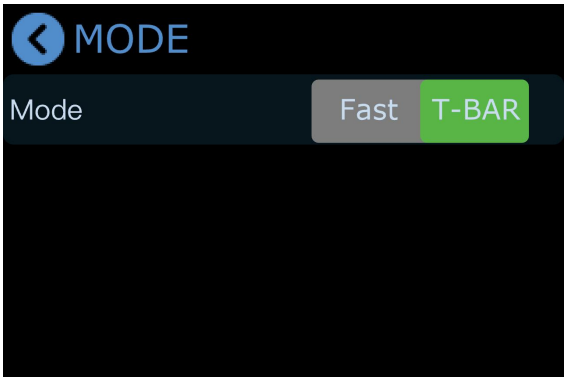
Select a Transition Effect

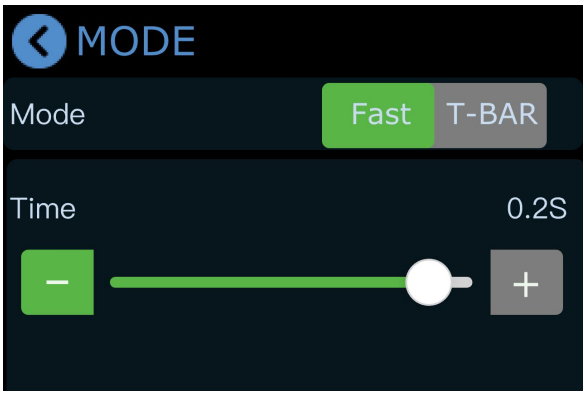
Press the "Transition Effect" icon or press the S button to select from 15 effects (e.g., fade, wipe).

Transition Mode

T-Bar Mode (Manual)

Tap the MODE icon on the main menu to enter.
Default mode: Push the T-Bar to transition the preview to the main output.





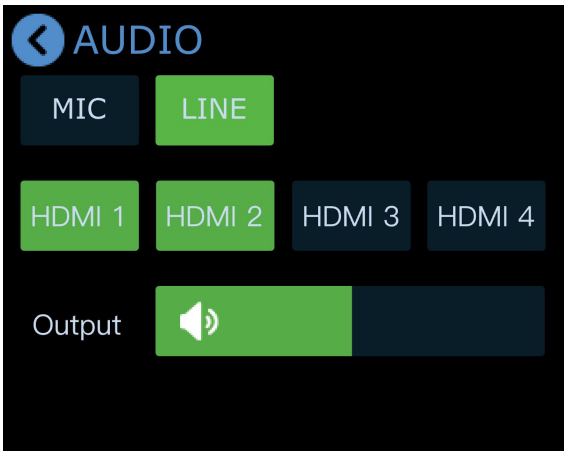
Fast Mode (Auto)

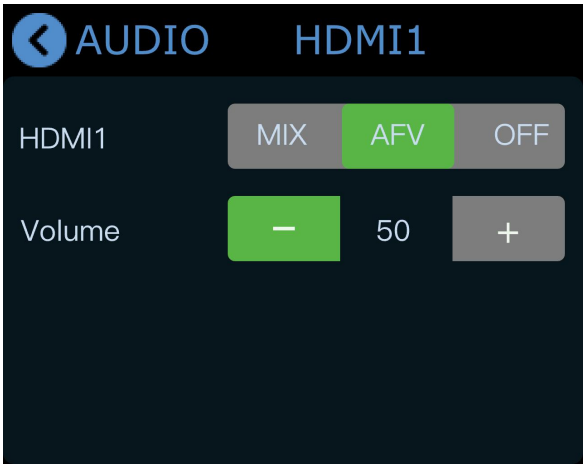
Set the transition duration and press any signal source for instant switching from Preview to PGM output, or vice versa.

Audio

Audio Support

The mini device is equipped with two audio interfaces, four HDMI inputs, and one HDMI output, supporting embedded audio. Click the audio icon on the main menu to access volume adjustment and function settings.





Volume Adjustment

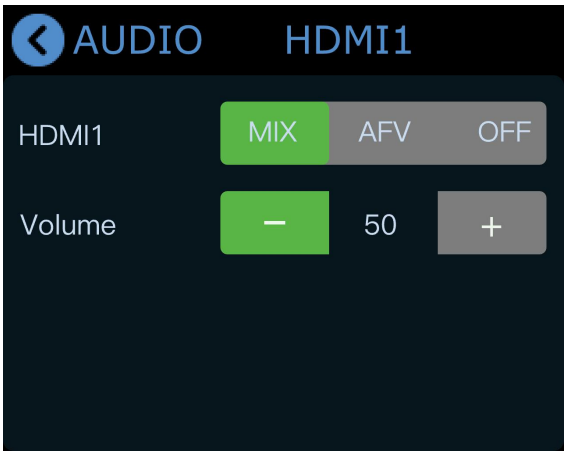
Touchscreen: for the two audio interfaces, select a channel and enable it, then click the "-" or "+" buttons to adjust the gain. For HDMI 1–4, select a channel and click "-" or "+" to adjust the volume.

Knobs: rotate the Y knob for MIC IN, LINE IN, HDMI 1~4 embedded volume adjustments. Rotate the X knob for HDMI Output volume adjustment.

Audio-Follow-Video& Mixing

The embedded audio from HDMI 1–4 can be mixed. When enabled, it will play simultaneously with other audio in the current preview.

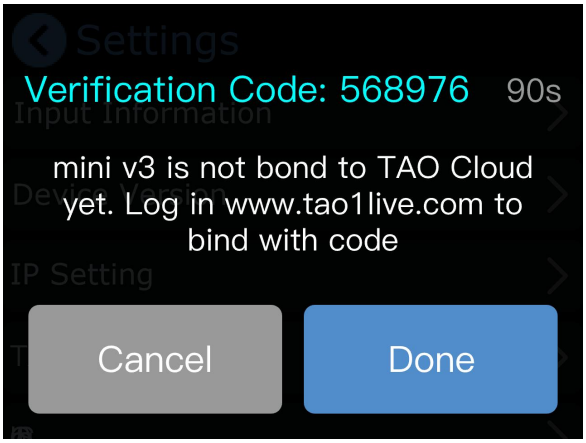
For HDMI 1–4 embedded audio, you can choose whether the audio follows the video playback and whether it switches to the main output along with the video. Adjust volume for audio inputs or HDMI embedded audio.



Binding TAO Cloud

As the streaming industry's first video switcher offering user-customizable features, allowing users to unlock full capabilities through either a monthly subscribe or a lifetime purchase on the TAO Cloud.

Function Type	Authorization Method	Function Details
Basic Functions	Free	• Picture-in-Picture • View • Transition Effects • Switching Modes • Audio • Logo • PGM HDMI Output • WEBCAM Capture Output
TAO Cloud Licensed Functions	Monthly/Lifetime Subscription	▼ Production • Recording • PTZ Control • Chroma Key ▼ Network Streaming • Stream • MP4 Playback (coming soon)
		• TAO Remote Control • NDI Encoding/Decoding (coming soon) • UVC Camera (coming soon) • Overlays (coming soon) • Background (coming soon) • MIC IN (coming soon)
	Complete Functions	Unlock lifetime access to all functions

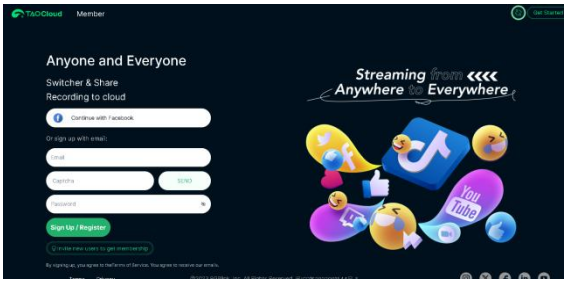


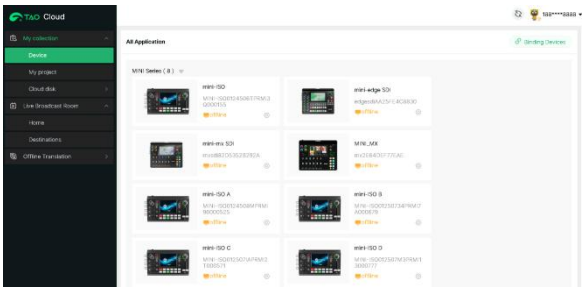
Getting a Verification Code

If the device is unbound, use the verification code to bind it.

Login/Register TAO Cloud

Visit https://www.tao1live.com.
Enter your email and verification code to log in or register.



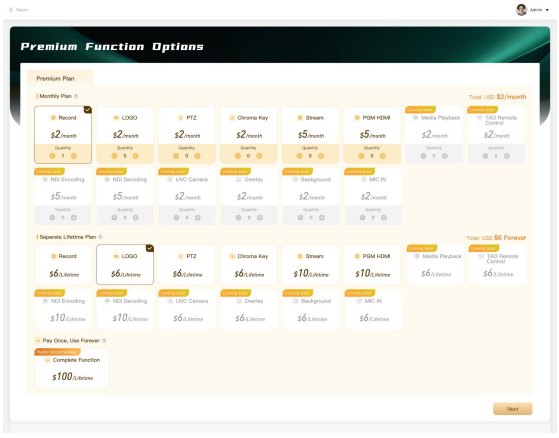


Device Binding

Go to "All Devices" > "Bind Device."
Enter a custom device name and verification code, then press "Bind."

Function Authorization

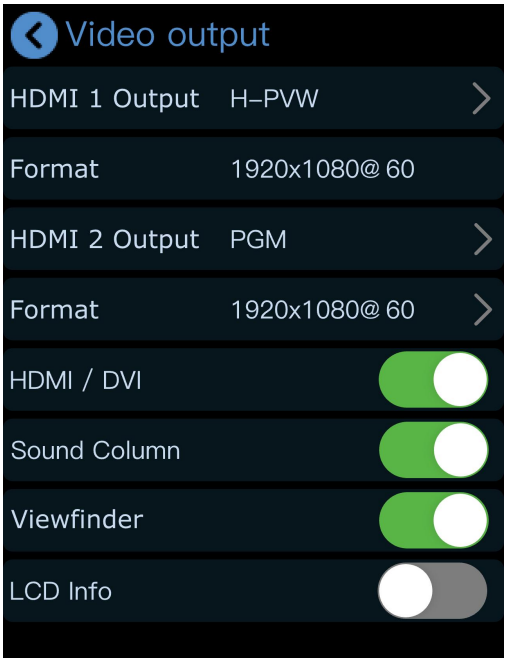
Go to the device management interface and click “Setting”
Select functions to authorize (monthly Plan, Separate Lifetime Plan and Complete Functions) and complete payment.



TAO Cloud Premium Functions

Note: These premium functions require TAO Cloud purchase for activation.The premise of viewing and using the function pages on TAO Cloud is that you must go to Settings and subscribe “TAO Remote Control” function first. Other premium functions can only be activated on TAO Cloud and mini device after subscribing to the TAO Remote Control function.

Video Output



Select Output Signal

Configure the display and resolution for the two HDMI outputs.

Info Display

Enable features like HDMI/DVI adaptation, audio meter display, framing guide, or LCD signal resolution info.



Stream

Users can bind the mini to the TAO Cloud Platform for efficient content production and creation. The mini device supports simultaneous streaming to up to 4 platforms.



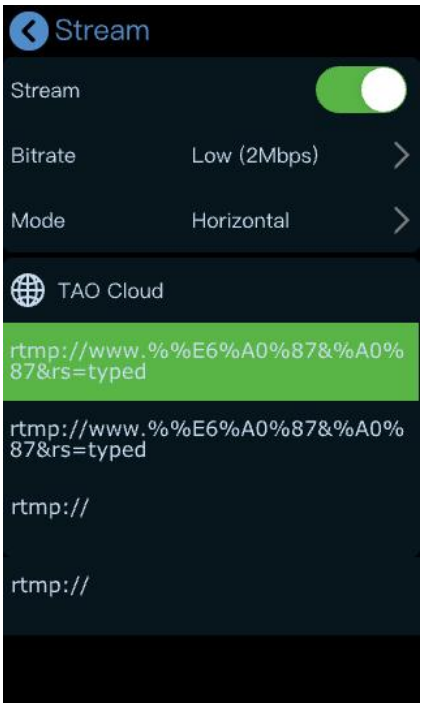
Pre-Streaming Setup

1. Connect the mini device to the network using an Ethernet cable.
2. Ensure the mini is bound to TAO Cloud.
3. Enable the Streaming button on the mini's streaming interface.

Distribute Streaming Address to mini

Go to the mini management page under "My Devices" in TAO Cloud.
Enter the streaming addresses of the target platform(s) in the streaming section.
Click "Distribute" to distribute the addresses.





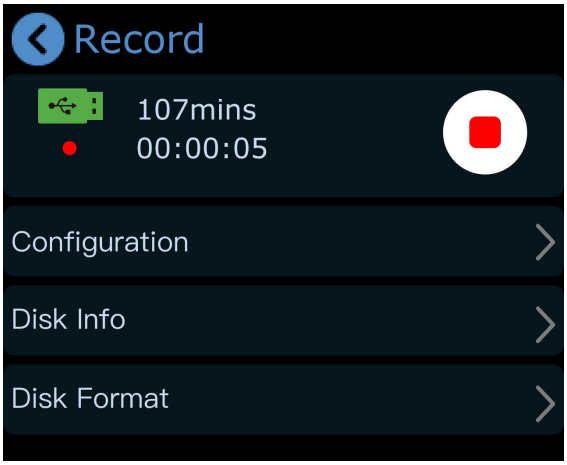
Start the Stream

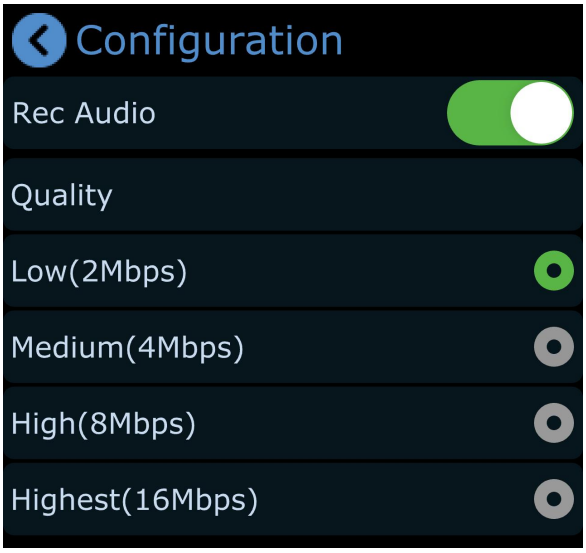
Return to the mini streaming interface, select the received streaming URL, and click to start streaming. This page also allows streaming parameter configuration.

Recording

Enable Record

Insert a USB drive or external hard drive (formatted to EXT4) into the RECORD port.
Press "Record" in the main menu to start. Press the Record button to start recording.





Recording Settings

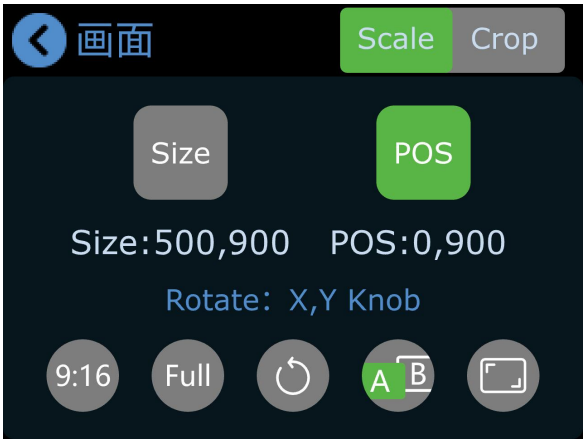
Enable audio recording if needed. You can also check disk usage, set recording quality, or format the disk.

Chroma Key

Enable Keying

Enable to remove green/blue backgrounds from sub-screens (default B layer).





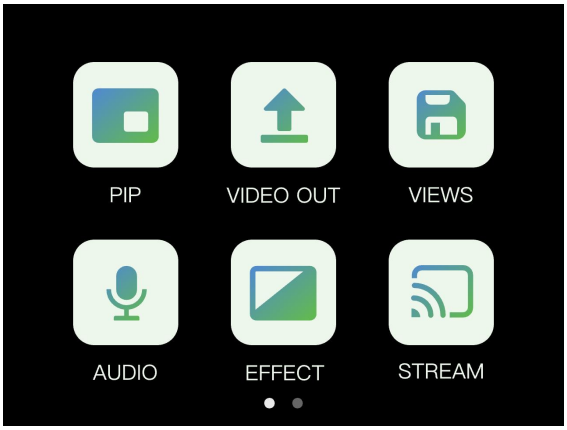
Adjust Parameters

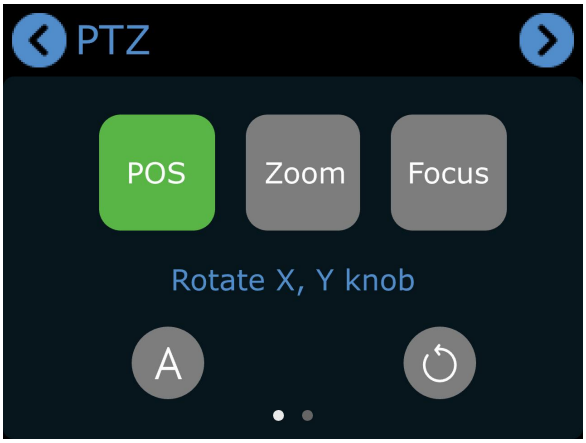
Adjust size/position as needed; settings save to the current view.

PTZ

Switch PTZ signal to the Preview

Select the PTZ signal in the preview screen and tap the PTZ icon in the main menu.





Adjust Parameters

Use X/Y knobs to adjust position, zoom, or focus.

Position:

- Rotate X to pan the camera left/right.
- Rotate Y to tilt the camera up/down

Zoom:

- Rotate X clockwise to zoom in.
- Rotate X counterclockwise to zoom out.

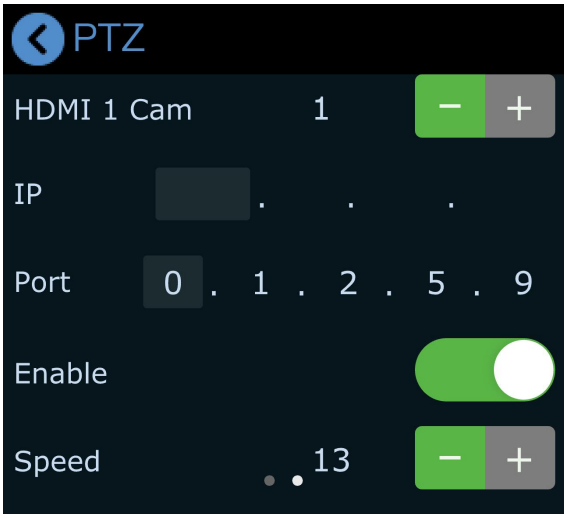
Focus:

- Rotate X to adjust focus.

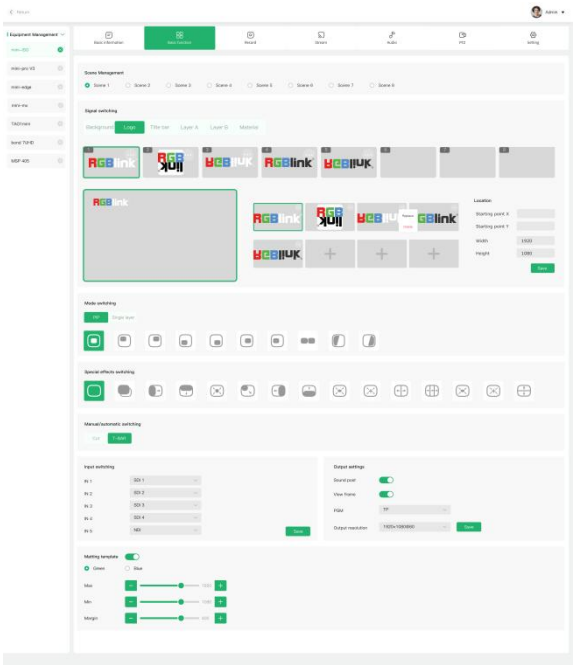
PTZ Settings

On this interface, you can:

1. Switch PTZ cameras and enable controls.
2. Confirm PTZ port number is 01259.
3. Ensure the device and PTZ are on the same LAN (first three IP digits match).
4. Adjust PTZ speed with "+/-."



Logo



Import Logo Material via TAO Cloud

1. Open TAO Cloud.
2. Navigate to My Collection > My Devices and access the mini device management page.
3. Under Basic Settings, select a scene and add logo material in the Content Management section.

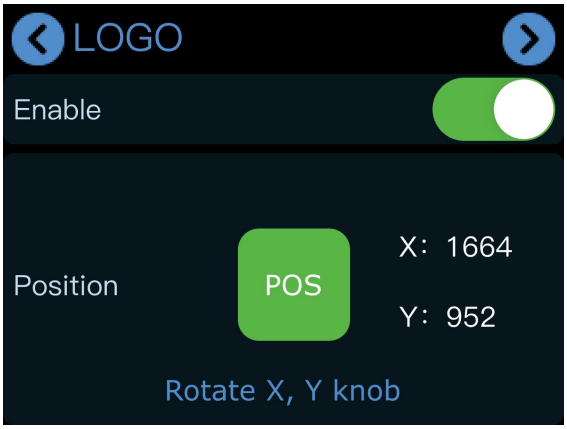
Adjust Logo

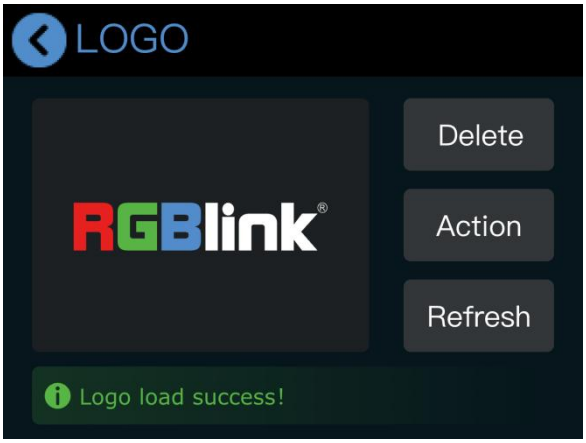
Open the logo icon from the main menu interface. The logo interface will display the material applied from TAO Cloud.

Once enabled, the logo will appear in the current preview.

Use the X knob to adjust horizontal (left/right) position.

Use the Y knob to adjust vertical (up/down) position.





Replace Logo

1. Go to TAO Cloud and access the mini device management page.
2. Under Basic Settings, select a new logo material for replacement.
3. Return to the mini logo settings interface, tap Refresh, and the logo will update.

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