



Education Sharing System

Quick Start Guide

Legal Information

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The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (<https://www.hikvision.com/>).

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 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info




Applicable Models

This manual is applicable to the models listed in the following table.

Product Name	Model
Education Sharing System	DS-9604LNI-V/B12

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 NOTE	Provides additional information to emphasize or supplement important points of the main text.
 WARNING	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 DANGER	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Safety Instructions

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- Firmly connect the plug to the power socket. Do not connect several devices to one power adapter. Power off the device before connecting and disconnecting accessories and peripherals.
- Shock hazard! Disconnect all power sources before maintenance.
- The equipment must be connected to an earthed mains socket-outlet.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- ⚡ indicates hazardous live and the external wiring connected to the terminals requires installation by an instructed person.
- Never place the equipment in an unstable location. The equipment may fall, causing serious personal injury or death.
- Input voltage should meet the SELV (Safety Extra Low Voltage) and the LPS (Limited Power Source) according to the IEC60950-1.
- High touch current! Connect to earth before connecting to the power supply.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- Use the device in conjunction with an UPS, and use factory recommended HDD if possible.
- This product contains a coin/button cell battery. If the battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- This equipment is not suitable for use in locations where children are likely to be present.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- Dispose of used batteries according to the instructions
- Keep body parts away from fan blades and motors. Disconnect the power source during servicing.

Preventive and Cautionary Tips

Before connecting and operating your device, please be advised of the following tips:

- The device is designed for indoor use only. Install it in a well-ventilated, dust-free environment without liquids.
- Ensure recorder is properly secured to a rack or shelf. Major shocks or jolts to the recorder as a result of dropping it may cause damage to the sensitive electronics within the recorder.
- The equipment shall not be exposed to dripping or splashing and that no objects filled with liquids shall be placed on the equipment, such as vases.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc. The openings shall never be blocked by placing the equipment on a bed, sofa, rug or other similar surface.
- For certain models, ensure correct wiring of the terminals for connection to an AC mains supply.
- For certain models, the equipment has been designed, when required, modified for connection to an IT power distribution system.

Chapter 1 Installation and Connection

1.1 Indicator Description

The device has an indicator at the lower-right corner of the front panel. The indicator indicates different working status of your device.

Table 1-1 Indicator Description

Indicator Status	Description
Unlit	The device is shut down.
Solid Blue	The device is powered on.
Fast Blinking Blue	The device is downloading or publishing videos.
Slowly Blinking Blue	The device is starting up.
Solid Red	The device system is shut down, but the power is still on.
Fast Blinking Red	The video is exceptional.

1.2 Device Installation

1.2.1 Wall-Mounted Installation

Before you start:

Prepare suitable installation tools, including screwdrivers and an electric drill.

Step 1 Take out the accessories from the device package.

Step 2 Determine the mounting position for the wall-mounted bracket (as the direction shown in the following figure).

Step 3 Mark 4 holes for installing expansion bolts.

Step 4 Secure the bracket on to the wall with 4 expansion bolts.

Step 5 Align the device mounting hooks with the bracket.

Step 6 Mount the device on the bracket.

Step 7 Tighten 2 screws at the bottom to fix the device firmly.

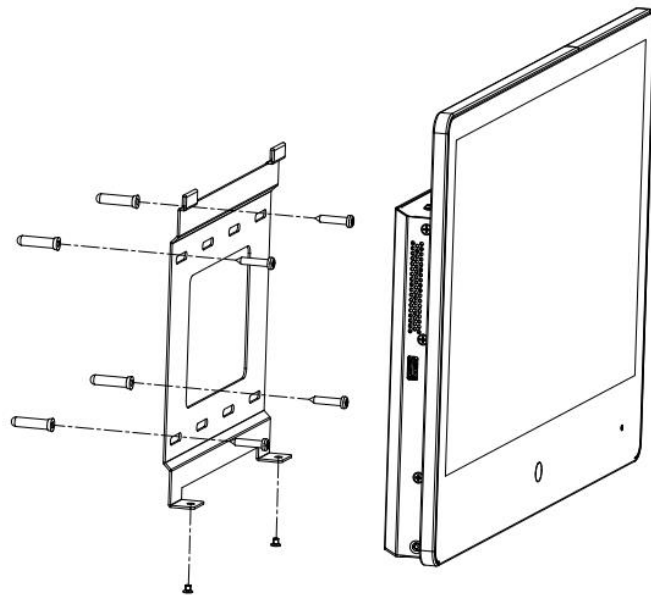


Figure 1-1 Wall-Mounted Installation

1.2.2 Standing Installation

Before you start:

Prepare suitable installation tools, including screwdrivers.

Step 1 Take out the accessories from the device package.

Step 2 Align the standing bracket holes with the device (as the direction shown in the following figure).

Step 3 Tighten 2 screws at the backside to fix the device firmly.

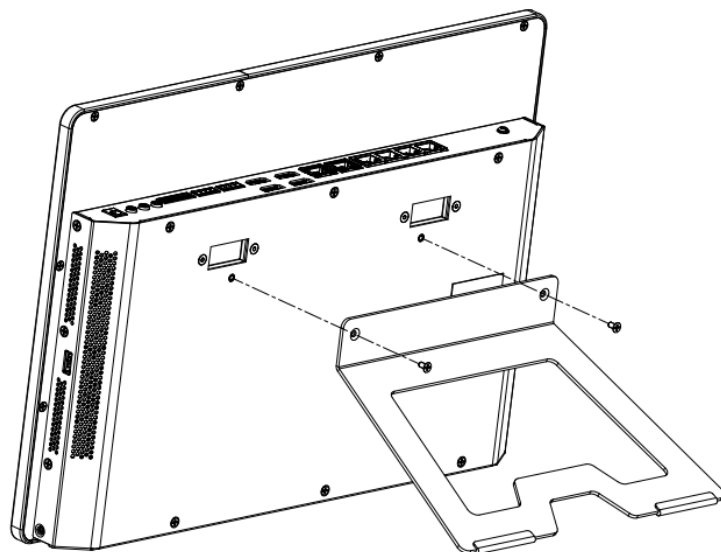


Figure 1-2 Standing Installation

Chapter 2 Startup and Shutdown

Purpose:

Proper startup and shutdown procedures are crucial to expanding the life of the device. Follow the steps to start and shut down your device.

2.1 Startup

Step 1 Connect the device and a socket with the provided power cord. It is HIGHLY recommended that an Uninterruptible Power Supply (UPS) be used in conjunction with the device.

Step 2 Turn on the switch on rear panel.

2.2 Shutdown

Step 1 Tap **Power** at the upper-right corner.

Step 2 Tap **Shutdown**, and wait for the device to power off.

Step 3 Turn off the power switch at the device side pane.

Chapter 3 Basic Configuration

3.1 Activate via Local Menu

For the first-time access, you have to set an admin password to activate your device. No operation is allowed before activation. You can also activate the device via web browser, or SADP.

Step 1 Enter the admin password twice.



WARNING

STRONG PASSWORD RECOMMENDED—We highly recommend you create a strong password of your own choosing (Using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters.) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

Step 2 Tap **Activate**.

3.2 Network Connection



NOTE

- You shall acknowledge that the use of the product with Internet access might be under network security risks. For avoidance of any network attacks and information leakage, please strengthen your own protection. If the product does not work properly, please contact with your dealer or the nearest service center.
- To ensure the network security of the education sharing system, we recommend you to have the device assessed and maintained termly. You can contact us if you need such service.

Purpose:

Create network connection between the education sharing system and your computer. Two methods are provided, including connecting the education sharing system via a LAN (Local Area Network) and via a WAN (Wide Area Network). We take the example of connecting via LAN to describe the steps.

Before you start:

Power on the device and install the SADP software in your computer.

Step 1 Create the network connection between the device and your computer.

- Option1: Directly connect the device to the computer with a network cable.

- Option 2: Connect the device and your computer via a switch or a router.

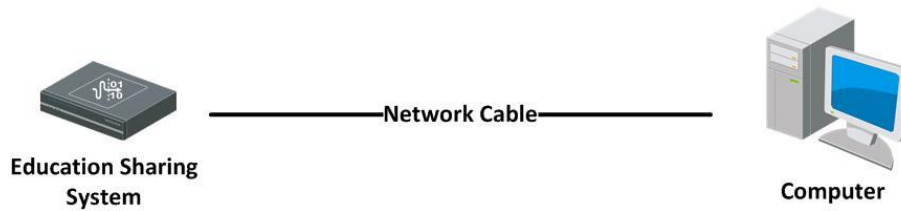


Figure 3-1 Connect Directly

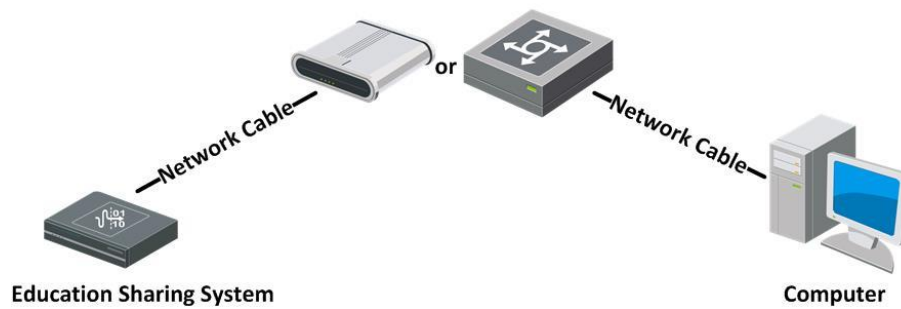


Figure 3-2 Connect via a Switch or a Router

3.3 Configure Basic Network Parameters via Local Menu

Step 1 Tap **Settings > System > Network**.



Step 2 Set **NIC Type**.

Step 3 Set IPv4 IP address parameters.

- If you enable **DHCP** (Dynamic Host Configuration Protocol), the device will obtain IPv4 address parameters automatically.
- If you disable **DHCP**, you shall manually enter IPv4 address parameters, including **IP Address, Subnet Mask, and Gateway**.

3.4 Education Specified Camera Connection

Before you can get the live view or record the image of classroom, connect the education specified camera to the device via PoE (Poser over Ethernet) interface or network.

3.4.1 Connect Network Camera via PoE Interface

Purpose:

PoE provides power to a network camera via the same cable as used for the network connection. Supported PoE camera number varies with device module. If you disable the PoE interface, you can also connect to the online network cameras. And the PoE interface supports the Plug-and-Play function.

Step 1 Connect an education specified PoE camera to a device PoE interface with network cable.

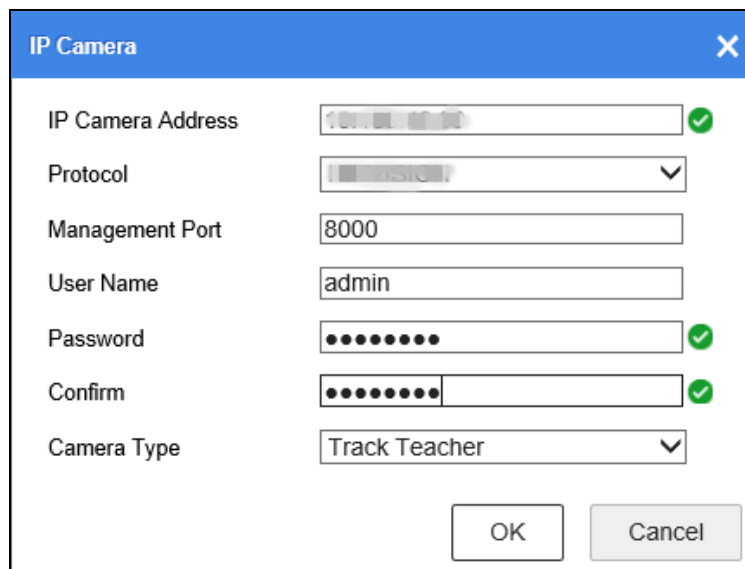
Step 2 Go to **Configuration > System Settings > Camera Management > SADP Search** via web browser.

Step 3 Edit the PoE camera IP address under 192.168.254.xxx network segment (for example, 192.168.254.123).

Step 4 Go to **Configuration > Recording Settings > Live View Settings > Live View Channel Settings**.

Step 5 Click **Add**.

Step 6 Enter the PoE camera parameters.



IP Camera Address	<input type="text"/>	✓
Protocol	<input type="text"/>	▼
Management Port	<input type="text" value="8000"/>	
User Name	<input type="text" value="admin"/>	
Password	<input type="password"/>	✓
Confirm	<input type="password"/>	✓
Camera Type	<input type="text" value="Track Teacher"/>	▼

OK Cancel

Figure 3-3 Add PoE Camera

Step 7 Click **OK**.



Camera type cannot be duplicated with each other.

3.4.2 Connect via Network

Before you start:

Connect the education specified camera to network.

Step 1 Go to **Configuration** > **Recording Settings** > **Live View Settings** > **Live View Channel Settings** via web browser.

Live View Channel Setti...									
<input type="checkbox"/>	Channel No.	Channel Name	IP Address	Management Port	Camera Type	Priority	Status	Protocol	Connect
<input type="checkbox"/>	A1	Multimedia	0.0.0.0	0	Multimedia	1	Online		

Figure 3-4 Live View Channel Settings

Step 2 Click **Add** to add IP camera.

Step 3 Enter the camera parameters.



Camera type cannot be duplicated with each other.

IP Camera
✕

IP Camera Address ✓

Protocol ▼

Management Port

User Name

Password ✓

Confirm ✓

Camera Type ▼

Figure 3-5 Add IP Camera

Step 4 Click **OK**.

3.5 Automatic Live View Control

Purpose:

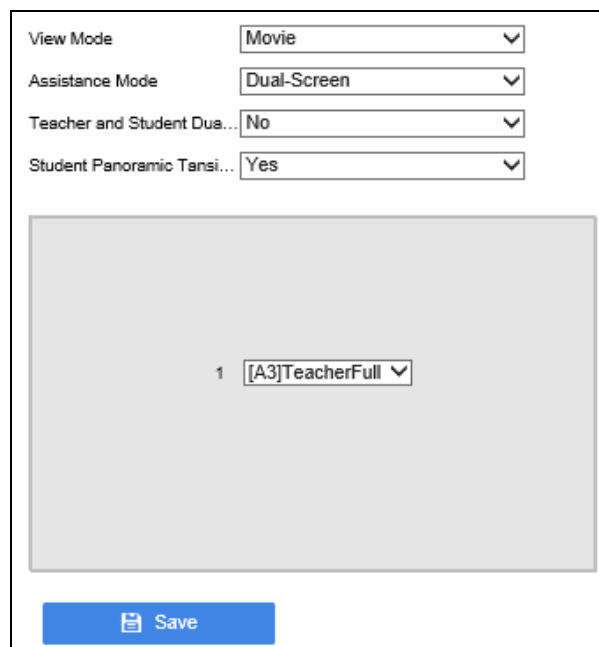
Combining with the same brand education specified speed dome, the education sharing system can automatically display the teacher image, student image, or HDMI/VGA multimedia image in live view control channel according to the speed dome smart detection information. Besides, the speed dome can precisely position and track teacher, and record the teaching process.

NOTE

- Connect same brand education specified speed dome and education sharing system via network. For detailed steps, refer to *3.4.2 Connect via Network*.
- In automatic live view control mode, when a smart event occurs to the education specified speed dome or HDMI/VGA multimedia courseware changes, the education sharing system will automatically display the teacher image, student image, or HDMI/VGA multimedia image in the main screen according to the priority.
- You need to log in to education specified speed dome configuration interface to configure its smart detection rules.

3.5.1 Configure Live View Control View

Step 1 Go to **Configuration > Recording Settings > Live View Settings > View Settings** via web browser.



The screenshot displays a configuration window for 'Live View Control View'. It features four dropdown menus at the top: 'View Mode' set to 'Movie', 'Assistance Mode' set to 'Dual-Screen', 'Teacher and Student Dua...' set to 'No', and 'Student Panoramic Tansi...' set to 'Yes'. Below these is a large grey rectangular area containing a single dropdown menu labeled '1 [A3]TeacherFull'. At the bottom of the window is a blue button with a floppy disk icon and the text 'Save'.

Figure 3-6 Live View Control View

Step 2 Select **View Mode**.

- **Movie:** You need to set **Assistance Mode** for movie mode. When one alarm is triggered, it will display in single screen. But if two or more alarms are trigged, it will display as what the **Assistance Mode** is set, including **Single Screen**, **Dual-Screen**, and **Picture-in-Picture**.
- **PiP:** PiP (Picture-in-picture) is the video display method that when the video is on full screen, another video is displayed in the inset window at the same time.
- **Multi-Screen:** Multi-image of the camera are displayed simultaneously on the screen.

Step 3 Select display channel.

Step 4 Click **Save**.

3.5.2 Configure Live View Channel

Step 1 Go to **Configuration > Recording Settings > Live View Settings > Live View Channel Settings** via web browser.

Live View Channel Setti...									
<input type="checkbox"/>	Channel No.	Camera Name	IP Address	Management Port	Camera Type	Priority	Status	Protocol	Connect
<input type="checkbox"/>	A1	Computer	[REDACTED]	8000	Multimedia	1	Offline	[REDACTED]	
<input type="checkbox"/>	D1	Camera 01	[REDACTED]	8000	Teacher Overall...	0	Online(Get Stream)	[REDACTED]	http://i. ...

Figure 3-7 Live View Channel Settings

Step 2 Select a channel for modification.

Step 3 Click **Modify**.

Priority	0
IP Address	[REDACTED]
Management Port	8000
User Name	admin
Password	•••••
Channel Display Time (s)	0
Camera Type	Track Student
<input type="button" value="OK"/> <input type="button" value="Cancel"/>	

Figure 3-8 Strategy Configuration Interface

Step 4 Set the parameters, including priority, IP address, port, user name, password, etc.

- **Priority:** The priority of the selected channel. The larger the value is, the higher the priority will be.

- **Channel Display Time (s):** The display time of multimedia is recommended to set as its actual duration. Other channel's display time is recommended to set as 0. Valid channel display time range: [0, 900].

Step 5 Click **OK** to save the settings.

3.5.3 Configure One-Touch Configuration

Step 1 Go to **Configuration > Recording Settings > Live View Settings > Live View Strategy Settings** via web browser.

Step 2 Click **Add**.

Step 3 Enter the channel parameters of live view control strategy.

Step 4 Click **OK**.

Step 5 Click **One-touch Configuration**.



NOTE

The device will automatically recognize supportable education specified cameras. If issues occur, contact the product distributor for help.

3.6 Live View via Local Menu

Purpose:

You can view the live image of connected cameras on the device screen.

Step 1 Tap **Course Recording** after login.

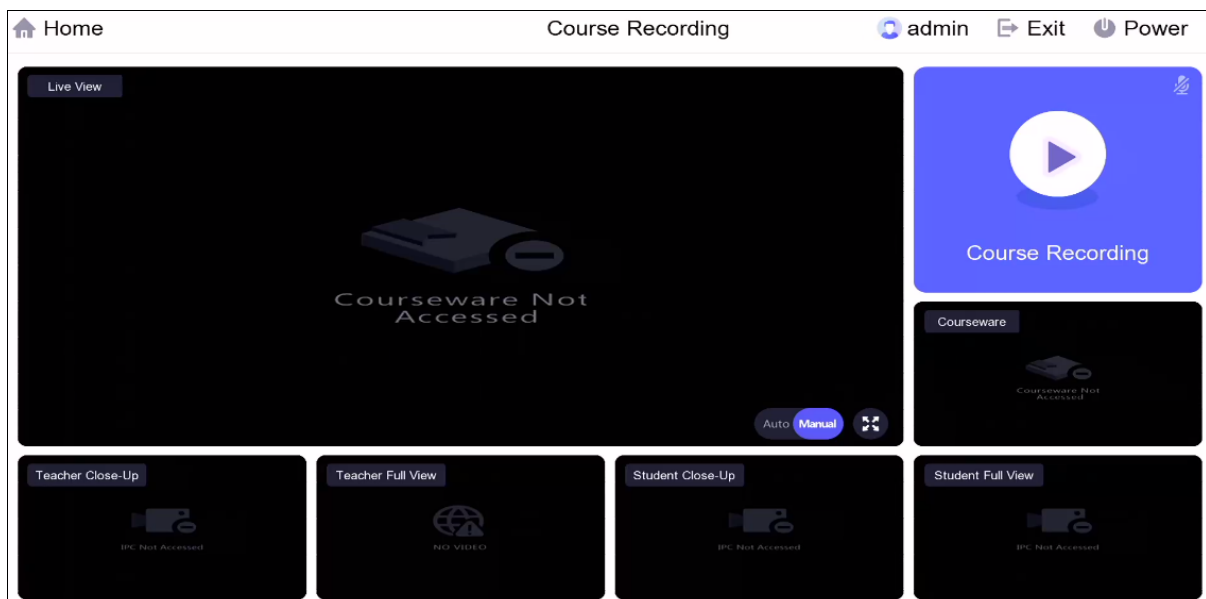



Figure 3-9 Live View via Local Menu

Step 2 Optionally, select the live mode as **Manual**, or **Auto**.

- **Manual:** Manually switch camera image to the main screen. You can tap the camera image at the bottom to switch.
- **Auto:** The speed dome can automatically track object. The device will automatically display image to the main screen when the connected education specified cameras have detected smart events.

Step 3 Optionally, tap  to view the full image of live view.

Step 4 Optionally, tap **Course Recording** to record course live videos. The course recording videos are configurable.

- 1) Enter the course information, including **Course Name** and **Course Teacher**.
- 2) Click **OK**, and the device starts to record.
- 3) Tap **Pause Recording** or **Stop Recording** to pause/stop course recording.
- 4) After course recording is stopped, you can tap **View Video** to view the recorded videos.

3.7 Join/Initiate Interaction via Local Menu

Before you start

- Configure interactive meeting parameters (Go to **Configuration > Interaction Settings > Cloud Interactive Class** via web browser).
- Turn off video meeting.
- The device has been registered, logged in and topped up.

Step 1 Tap **Interactive Education**.


Step 2 Enter the meeting number to join an interactive meeting, or tap **Initiate Interaction** to create an interactive meeting.

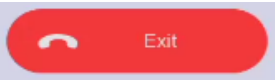

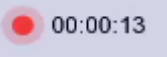






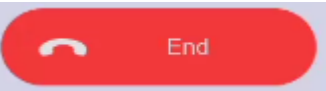
NOTE

- If you are going to join an interactive meeting, the meeting number can be obtained from the initiator.
- If you are going to join an interactive meeting, but the meeting does not have verification code, just leave the verification code empty, and tap **OK**.

Step 3 Operation as your desire.

Table 3-1 Icon Description

Icon	Description
	Exit/enter full screen.

Icon	Description
	Exit the interaction.
	Tap – or + to adjust volume.
	Display the recorded time.
	Enable/disable the microphone of participant.
	Display more options.
	Interact with the participant. For example, you can tap it to ask questions to the participant, and the participant would be able to speak (the microphone of participant would be enabled automatically).
	After taping  to interact with the participant, tap End Speaking to finish.
	Remove the participant from the meeting.
	End the interactive meeting.

3.8 Course Playback via Local Menu

Step 1 Tap **Course File**.

Step 2 Locate the course video.

Step 3 Tap the video.

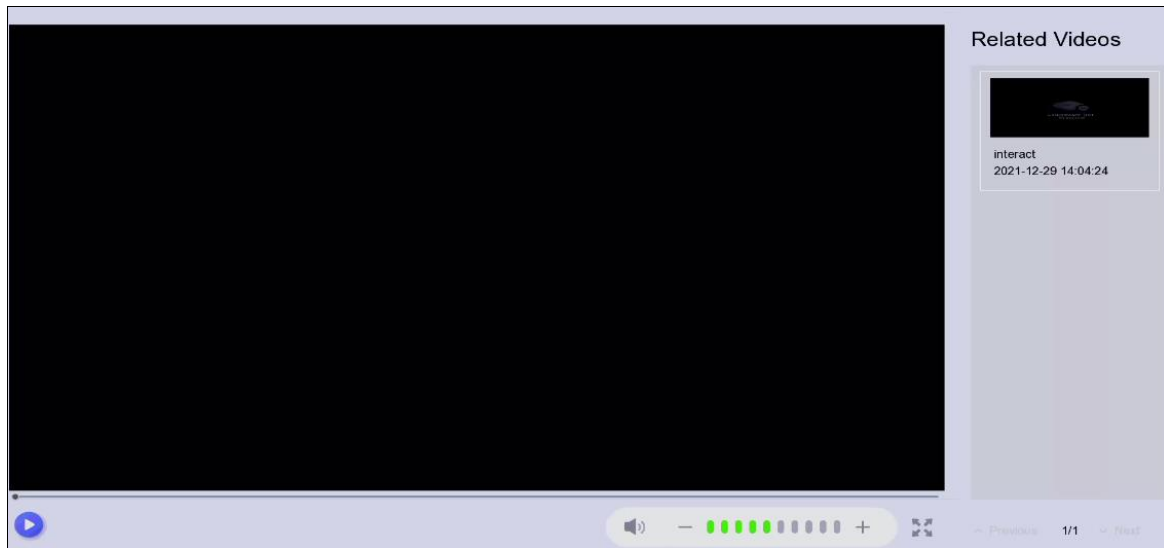


Figure 3-10 Play Back Course Videos Via Local Menu

Step 4 Tap  to start playback.

Step 5 Optionally, tap the related video(s) at the right list, and play back the related videos.

3.9 Course Download via Local Menu

Before you start:

Prepare a USB flash drive with enough free space.

Step 1 Insert a USB flash drive to your device.



The device USB interface is at the side panel.

Step 2 Tap **Course File**.

Step 3 Locate the course video or course video folder.

Step 4 Tap **Export** at the upper-right corner.

Step 5 Select the course videos or course video folders as your desire.

Step 6 Tap **Export** again.

Step 7 Select the backup device and folder path.

Step 8 Tap **Save**.



See Far, Go Further