



Lifesize Connect

Deployment Guide

3rd May 2021

Lifesize Connect

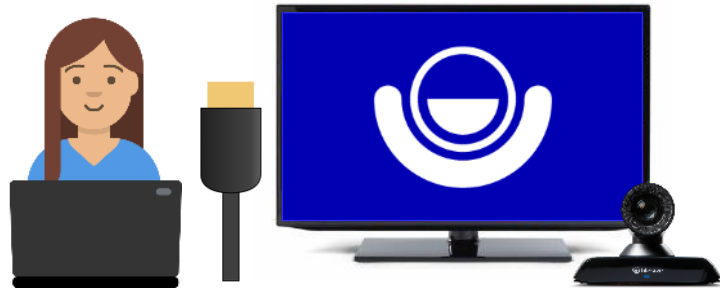
Communicate and collaborate with customers, partners and colleagues using leading Lifesize meeting room systems with any cloud video conferencing service.

- **Premium Quality:** Introduce superior video, audio and content sharing quality of Lifesize 4K meeting room systems to your cloud platform of choice.
- **Frictionless Experience:** Enjoy seamless connectivity with any cloud conferencing service and effortlessly transition between them meeting to meeting.
- **Ultimate Flexibility:** Capitalize on your Lifesize investment with either a hardware or software-based solution, no hidden fees or strings attached.



Lifeseize Connect Configuration Overview

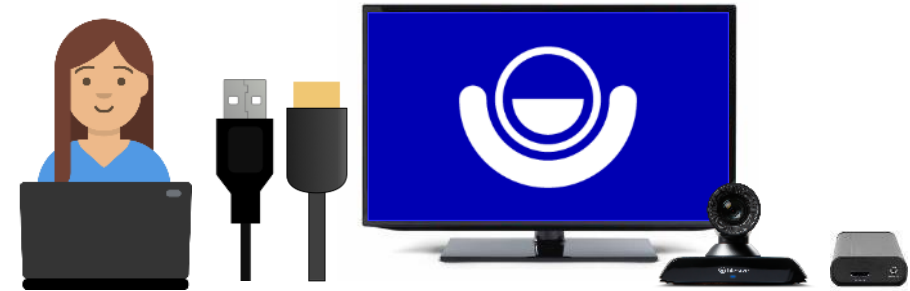
With the release of version 4.1.0, full support for both software and hardware-based solutions is now available.



Software-Based Configuration

(Presentation port)

- Supported by Lifeseize Icon 700, Icon 500 & Icon 300
- Single-display screen mirroring
- Requires HDMI cable and internet connection
- Requires user to download & install an application on their Windows computer



Hardware-Based Configuration

(Display 2 port)

- Supported by Lifeseize Icon 700 & Icon 500
- Single-display & dual-display configurations
- Requires USB cable and HDMI cable(s)
- Requires third-party hardware peripheral(s):
 - HDMI-to-USB capture device
 - HDMI splitter/scaler (dual-display configuration)

Updating the Lifesize Icon firmware (Beta)

Your Lifesize Icon software should be running v4.1.0 or later to enable support for Lifesize Connect. This firmware is now available through the Hotfix release channel. To configure and update (if necessary):

1. Login to the Lifesize Admin Console - <https://manage.lifesizecloud.com>
2. Navigate to **Room Systems** and search for the device you're using for the beta. Click the device name in the list, then go to the **Maintenance** tab.
3. Under **Upgrade Management**, change the **Release Channel** selection to **Hotfix**, then click **Update**.
4. The firmware update will be scheduled for overnight installation by default. If you would prefer to install the update immediately, reboot the Icon using the **Reboot** button in the **Maintenance** tab settings.

Hardware-based configuration

(Display 2 Port)



Hardware-Based Configuration Requirements

With version 3.12.0 (or later) software, Lifesize Connect hardware-based installations are fully supported on Lifesize Icon 500/700 systems.

Requirements / Prerequisites:

- The supporting Lifesize Connect documentation
- Lifesize Icon 500 or 700 room system, set up and paired with Lifesize cloud service
- Access to the Lifesize Admin Console to enable/disable Lifesize Connect
 - Hardware-based configurations utilize the Display 2 Port of the system
 - You may also optionally enable/disable through the system Web UI
- Recommended hardware peripherals and cabling
 - To facilitate the required HDMI and USB connections to the user computer

Required & Recommended Hardware Peripherals

In hardware-based configurations, Lifesize Connect requires a HDMI-to-USB capture device. To support a dual-display deployment, an HDMI splitter/scaler is also required. Optionally, you can deploy a USB multiport adapter to allow the user to connect a single cable to use Lifesize Connect.

The following hardware peripherals are recommended for hardware-based configurations:

Single-Display Deployment

HDMI-to-USB capture device*

- Lifesize HDMI-USB device
- StarTech UVCHDCAP
- AVerMedia ExtremeCap UVC – BU110
- ClearOne COLLABORATE DataPoint HD
- Elgato Cam Link 4K

* Devices as listed have been verified in our hardware lab. Should you attempt to use a peripheral that is not verified, you do so at your own discretion. Lifesize assumes no fault or liability for any issues that may occur as a result of using an unverified device.

Dual-Display Deployment

HDMI-to-USB capture device*

- Lifesize HDMI-USB device
- StarTech UVCHDCAP
- AVerMedia ExtremeCap UVC – BU110
- ClearOne COLLABORATE DataPoint HD
- Elgato Cam Link 4K

4K HDMI splitter/scaler

- StarTech ST122HD20S
- Orei UHDS-102A

Single-Cable Deployment

USB multiport adapter

- StarTech CDP2H DUACPW
- IO Gear GUC3C3H

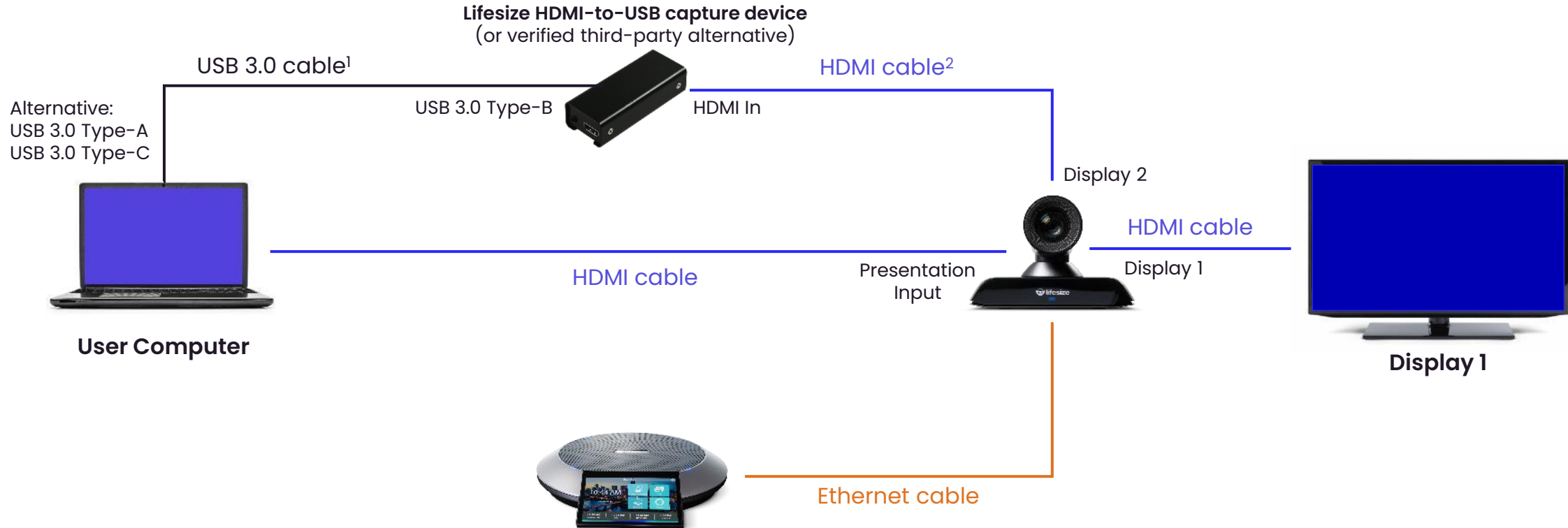
Optional

USB and HDMI cables plug into the adapter, allowing the user to connect a single cable to their computer to use Lifesize Connect



Hardware-Based Deployment: Single Display

Basic Overview



We recommend using Lifesize HDMI cables or Premium High Speed HDMI cables

1. Passive USB 3.0 cables are available at lengths of up to 15 ft (4.5m).
2. Passive HDMI Cable Lengths can be up to 30 ft (9m).
3. HDMI Out and Audio In connections are not utilized on HDMI-USB devices

Hardware-Based Deployment: Single Display

Room View

Suggested installation and positioning of third-party hardware peripherals considering cable lengths and powering the HDMI-to-USB capture device via the USB 3.0 port of the user laptop computer.

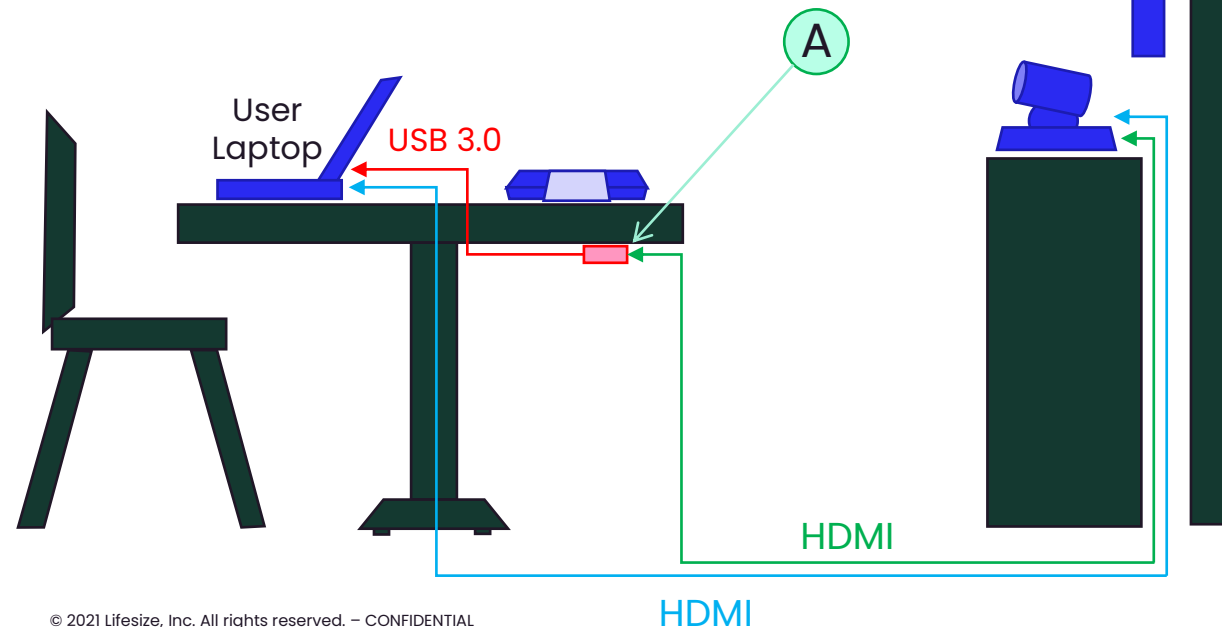
Typical USB 3.0 cable runs are shorter than that of HDMI, so placing the USB capture device closer to the laptop is recommended. In this example, it is affixed under the meeting room table.

A HDMI-to-USB capture device

Note: Room View as pictured assumes Lifesize Icon is pre-installed.

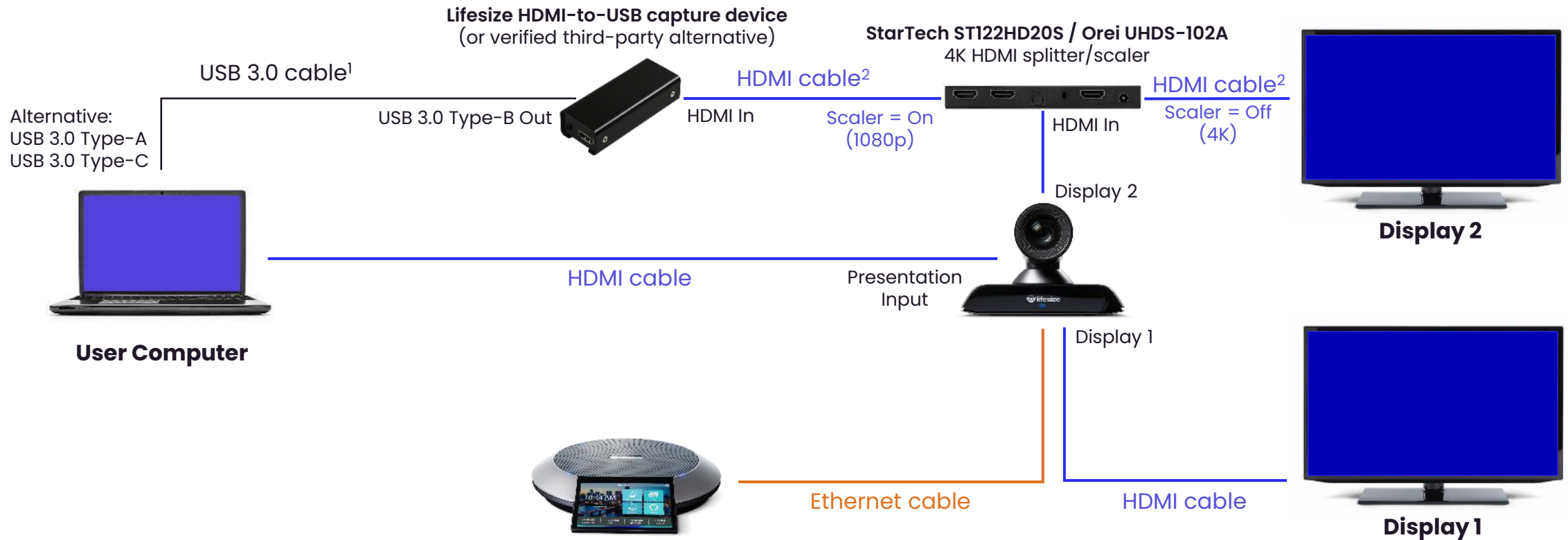
HDMI cable connected to Lifesize Icon presentation input may already be installed in room.

Only the cables between the user laptop and Icon system are shown for simplicity.



Hardware-Based Deployment: Dual Display

Basic Overview



We recommend using Lifesize HDMI cables or Premium High Speed HDMI cables

1. Passive USB 3.0 cables are available at lengths of up to 15 ft (4.5m).
2. Passive HDMI Cable Lengths can be up to 30 ft (9m).
3. HDMI Out and Audio In connections are not utilized on HDMI-USB devices

Hardware-Based Deployment: Dual Display

Room View

Suggested installation and positioning of third-party hardware peripherals considering cable lengths and powering the HDMI-to-USB capture device via the USB 3.0 port of the user laptop computer.

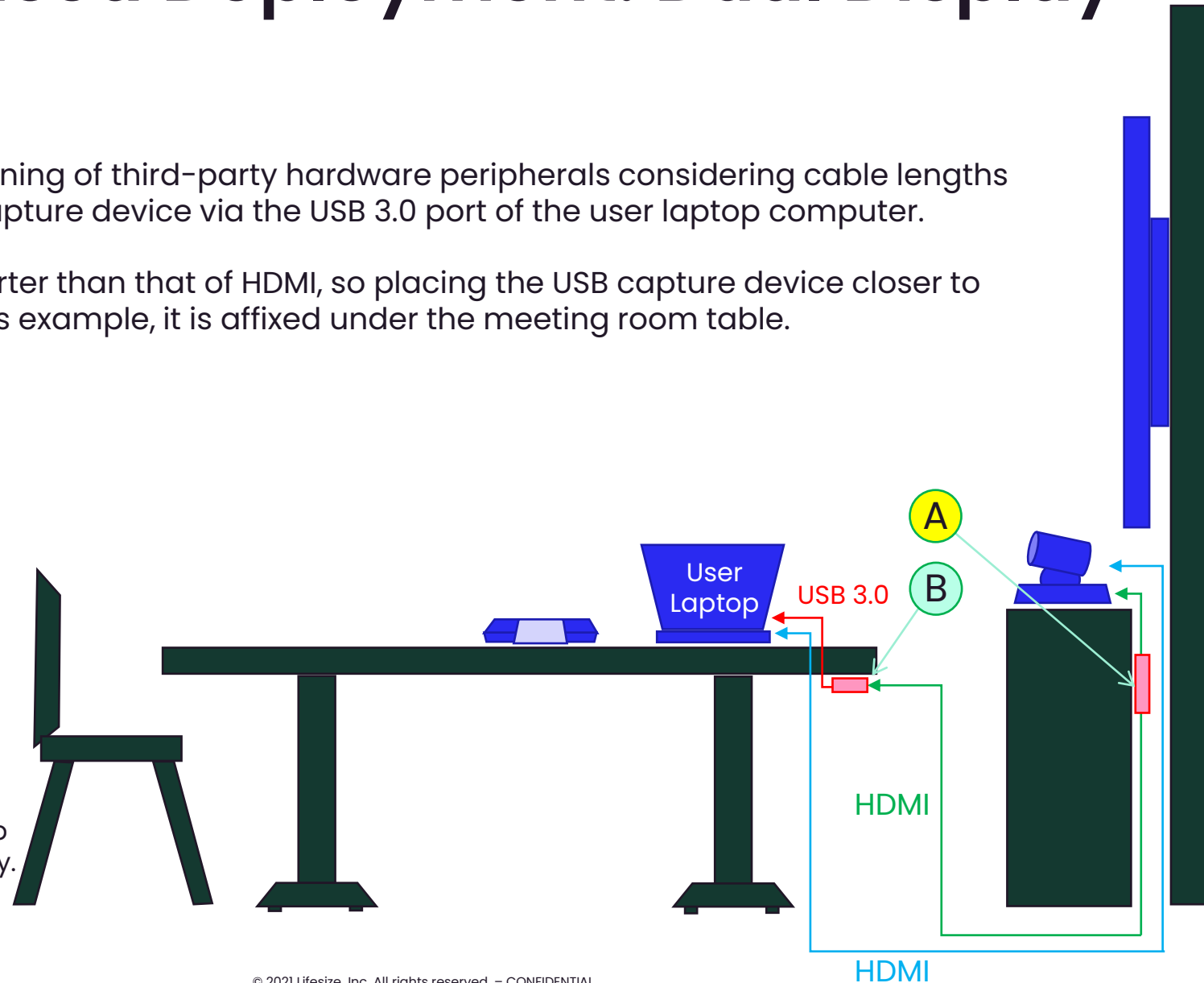
Typical USB 3.0 cable runs are shorter than that of HDMI, so placing the USB capture device closer to the laptop is recommended. In this example, it is affixed under the meeting room table.

- A** 4K HDMI splitter/scaler
- B** HDMI-to-USB capture device

Note: Room View as pictured assumes Lifesize Icon is pre-installed.

HDMI cable connected to Lifesize Icon presentation input may already be installed in room.

Only the cables between the user laptop and Icon system are shown for simplicity.



Enabling Lifesize Connect in the Admin Console

1. Login to the Lifesize Admin Console - <https://manage.lifesizecloud.com>
2. Navigate to **Room Systems** and search for the meeting room system you wish to enable with Lifesize Connect. Click the system name to review the individual details of the device.
3. Under **Settings**, enable the **Lifesize Connect** toggle.
4. For **Connection Type**, select **Display 2 Port (no download required)**, then choose the **Number of Displays** you have in the meeting room installation
5. Click **Update**.

NOTE: Image for reference purposes only.

Lifesize Connect

Enable Lifesize Connect to allow use of the room system's camera and microphone for joining third-party meetings on personal devices.

Connection Type: ⓘ

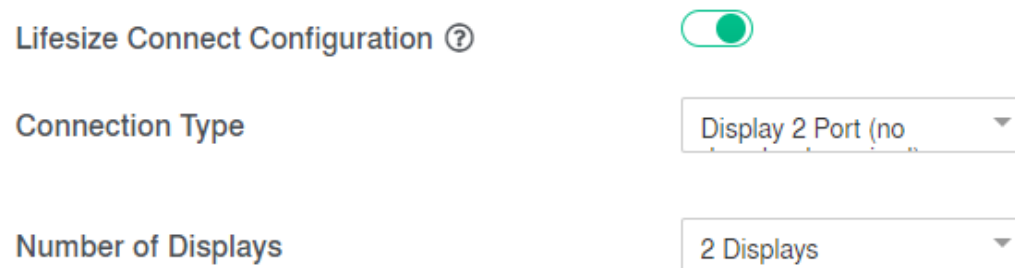
Number of Displays:

Enabling Lifesize Connect in the Icon Web UI

(Optional step)

In addition to enabling Lifesize Connect through the Admin Console, you may optionally enable Lifesize Connect via the local Web UI of your Lifesize Icon 500 or 700 system.

1. Once your Lifesize Icon system has been updated with version 4.1.0 software or later, log into the system Web UI. ([Need help?](#))
2. Enable the **Lifesize Connect Configuration** toggle, then select the **Connection Type** as **Display 2 Port (no download required)** and finally set the **Number of Displays** you have in the meeting room installation.
3. Click **Save**.



The screenshot shows the configuration interface for Lifesize Connect. It includes a toggle switch for 'Lifesize Connect Configuration' which is turned on. Below it, the 'Connection Type' is set to 'Display 2 Port (no download required)' and the 'Number of Displays' is set to '2 Displays'.

Lifesize Connect Configuration ?	<input checked="" type="checkbox"/>
Connection Type	Display 2 Port (no download required) ▼
Number of Displays	2 Displays ▼

NOTE: Image for reference purposes only.

Set Up the 4K HDMI Splitter / Scaler

Dual-Display Deployment

There are two scaler switches on the StarTech and Orei splitter/scaler devices recommended, one for each HDMI output. Recommended settings:

- Set the scaler switch **On** for the HDMI output which is connected to the StarTech HDMI-to-USB capture device, to scale down the video for the computer to 1080p.
- Set the scaler switch **off**, for the HDMI output which is connected to the second meeting room display, to show full 4K resolution video.



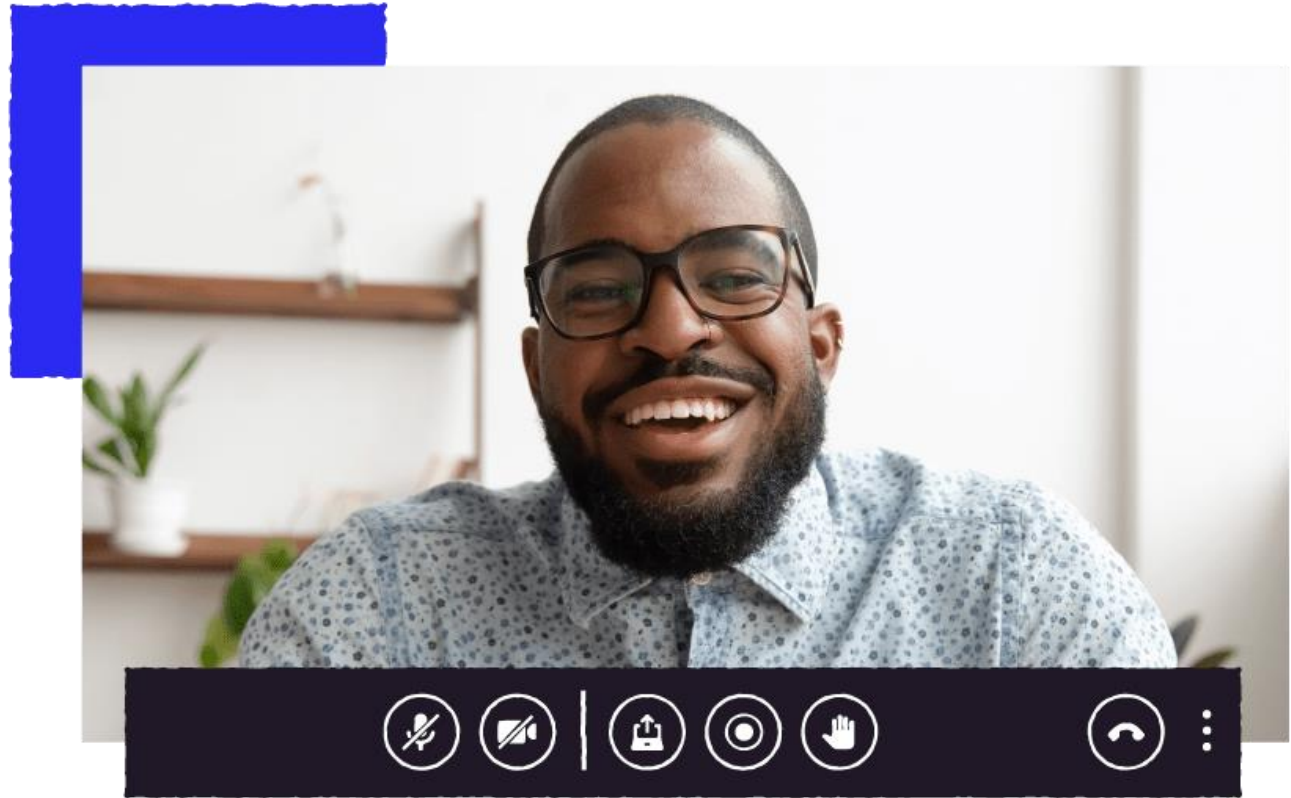
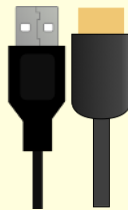
NOTE: Image for reference purposes only.

Using Connect

(Display 2 port)

Bring the awesome Lifesize meeting room camera quality and crystal-clear audio onto your computer to join any meeting.

Simply plug-in the HDMI and USB cables, set your preferences and you're done!



Using Connect to Join a Meeting

Hardware-based configuration | Experience: Launching from Lifesize Phone HD to start



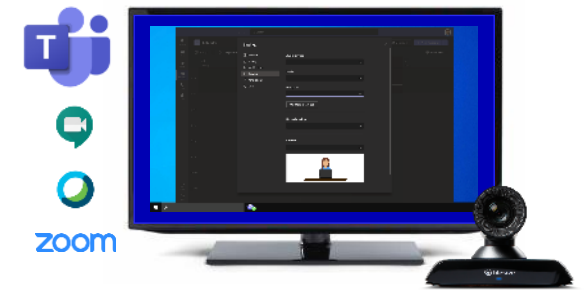
Launch

Select Lifesize Connect from the Phone HD screen to see instructions on the in-room display.



Connect your computer

Connect the USB & HDMI cables to your computer to pair with the Lifesize Icon room system and mirror your screen to the in-room display.



Join your meeting

Open the third-party collaboration app and select the room system camera, microphone, and speaker in the video and audio settings.

Join your meeting!

Using Connect to Join a Meeting

Hardware-based configuration | Experience: Connecting USB & HDMI cables to start



Connect your computer

Connect the USB & HDMI cables to your computer to pair with the Lifesize Icon room system.

Launch

Select Lifesize Connect from the Phone HD screen to mirror your computer screen to the in-room display.

Join your meeting

Open the third-party collaboration app and select the room system camera, microphone, and speaker in the video and audio settings.

Join your meeting!

Using Connect – General User Information

- The hardware-based Lifesize Connect solution requires both the HDMI and USB cables to be plugged into to the user's laptop computer to function. If a cable is disconnected, the Lifesize Icon will exit Connect mode. Similarly, if the user's laptop computer goes to sleep when idle, the Lifesize Icon will exit Connect mode.
- The Lifesize Icon will automatically enter 'Do Not Disturb' mode when Lifesize Connect is activated and will automatically reject any inbound calls dialed directly to the system.
- The Lifesize Phone HD status LEDs will illuminate solid purple when the Lifesize Icon system is in Connect mode, to show the microphones are active. (**Note:** *No mute button is available on the Lifesize Phone HD in Connect mode*).
- Camera pan, tilt, zoom and preset controls are available on the Phone HD when in Connect mode.
- The audio output volume control is available on the Phone HD when in Connect mode.

Software-based configuration

(Presentation Port)



Software-Based Configuration Requirements

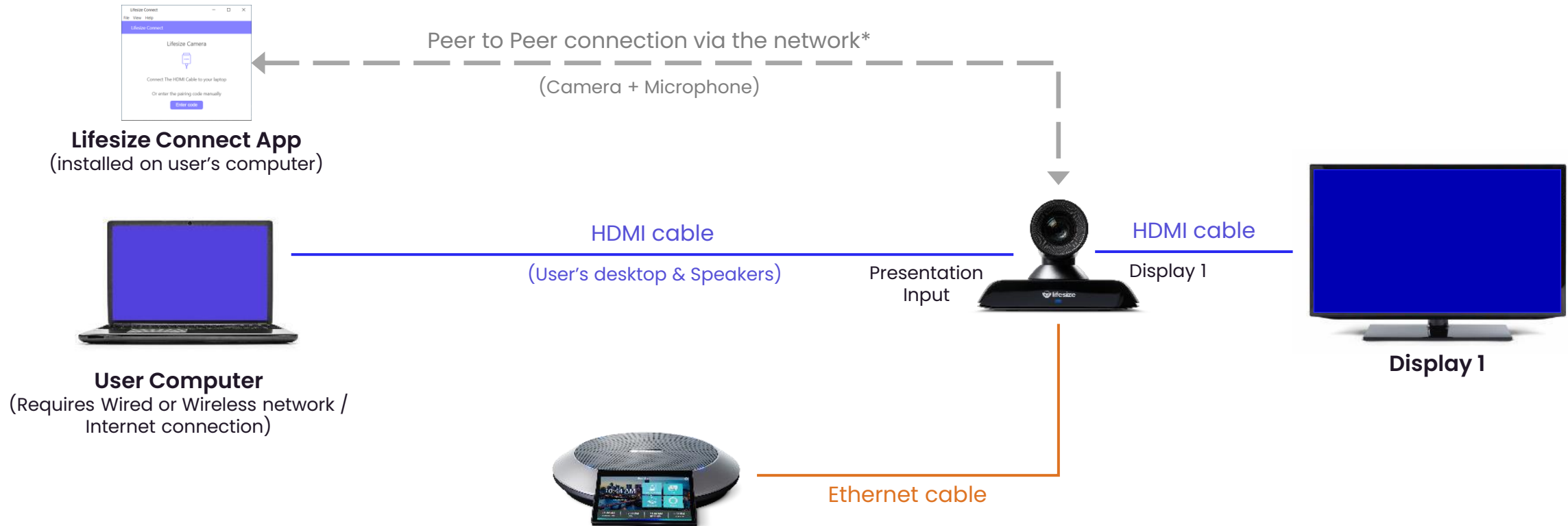
With the release of version 4.1.0, full support for software-based Lifesize Connect solutions is now available.

Requirements / Prerequisites:

- The supporting Lifesize Connect documentation
- Lifesize Icon 700, 500 or 300 room system, set up and paired with Lifesize cloud service
- Access to the Lifesize Admin Console to enable/disable Lifesize Connect
 - Software-based configurations utilize the Presentation Port of the system
 - You may also optionally enable/disable through the system Web UI
- Recommended cabling and connectivity
 - The required HDMI connection from the user's computer to the presentation port of the system
 - Internet access to support the peer-to-peer session with the Lifesize Connect App
- Lifesize Connect App – Available via:
 - Lifesize Management console under **Account Settings** then **Downloads**
 - <https://getconnect.lifesize.com/Lifesize%20Connect.exe>

Software-Based Deployment

Basic Overview



We recommend using Lifesize HDMI cables or Premium High Speed HDMI cables

*Requires an internet connection.

Software-Based Deployment

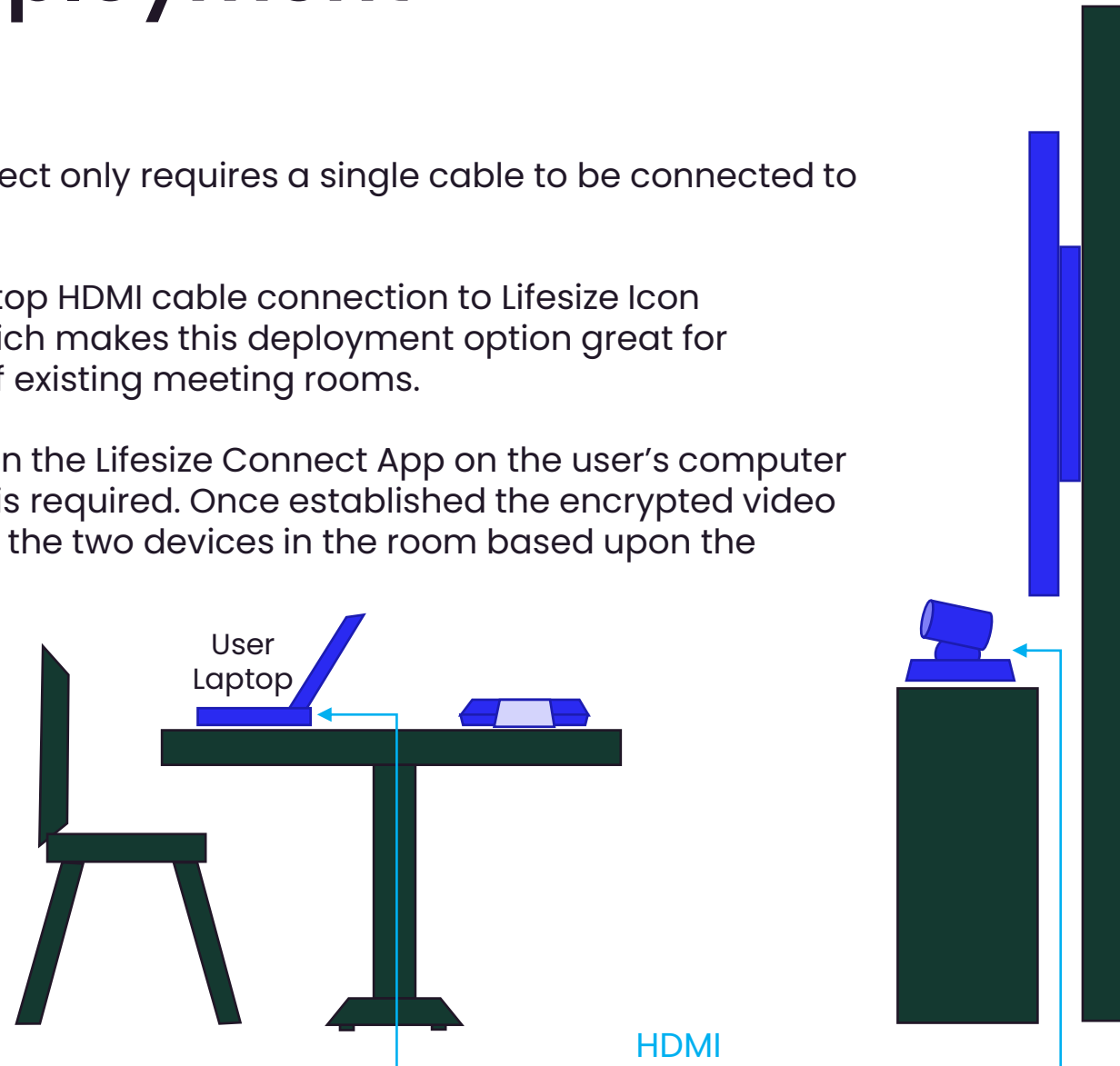
Room View

For Software-based deployments, Lifesize Connect only requires a single cable to be connected to the user's laptop in the meeting room.

In pre-existing installations, the required table-top HDMI cable connection to Lifesize Icon presentation input may already be in place, which makes this deployment option great for customers wishing to expand the capabilities of existing meeting rooms.

To establish a peer-to-peer connection between the Lifesize Connect App on the user's computer and the Lifesize system, an internet connection is required. Once established the encrypted video and audio data will only travel directly between the two devices in the room based upon the optimum network route.

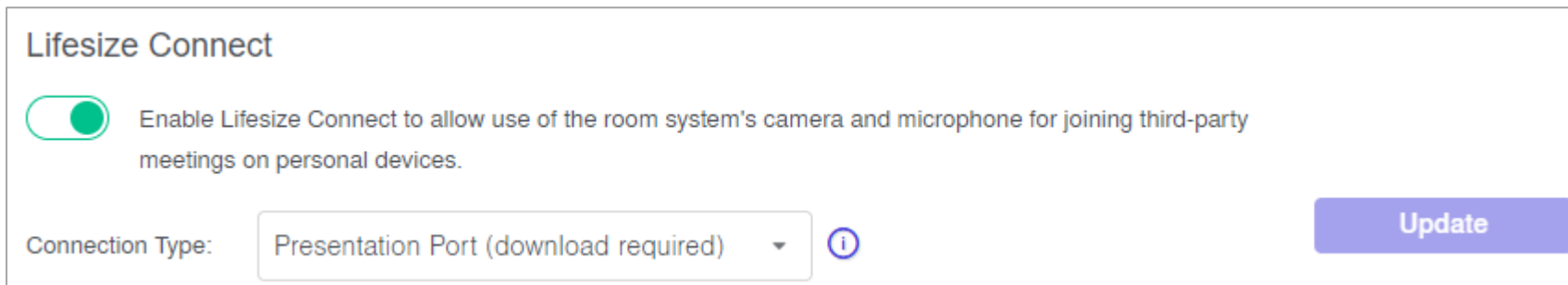
NOTE: Only the HDMI cable between the user's laptop and Icon system presentation input are shown for simplicity.



Enabling Lifesize Connect in the Admin Console

1. Login to the Lifesize Admin Console - <https://manage.lifesizecloud.com>
2. Navigate to **Room Systems** and search for the meeting room system you wish to enable with Lifesize Connect. Click the system name to review the individual details of the device.
3. Under **Settings**, enable the **Lifesize Connect** toggle.
4. For **Connection Type**, select **Presentation port (download required)**
5. Click **Update**.

NOTE: Image for reference purposes only.



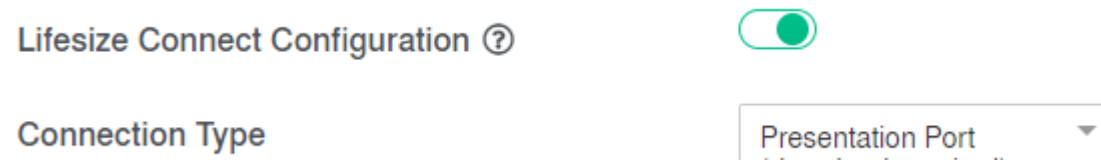
The screenshot shows a settings panel for 'Lifesize Connect'. At the top, the title 'Lifesize Connect' is displayed. Below it is a toggle switch that is currently turned on (green). To the right of the toggle is the text: 'Enable Lifesize Connect to allow use of the room system's camera and microphone for joining third-party meetings on personal devices.' Below the toggle is a 'Connection Type' dropdown menu with 'Presentation Port (download required)' selected. To the right of the dropdown is an information icon (i). At the bottom right of the panel is a blue 'Update' button.

Enabling Lifesize Connect in the Icon Web UI

(Optional step)

In addition to enabling Lifesize Connect through the Admin Console, you may optionally enable Lifesize Connect via the local Web UI of your Lifesize Icon 300, 500 or 700 system.

1. Once your Lifesize Icon system has been updated with version 4.1.0 software or later, log into the system Web UI. ([Need help?](#))
2. Enable the **Lifesize Connect Configuration** toggle, then select the **Connection Type** as **Presentation Port (download required)**
3. Click **Save**.



NOTE: Image for reference purposes only.

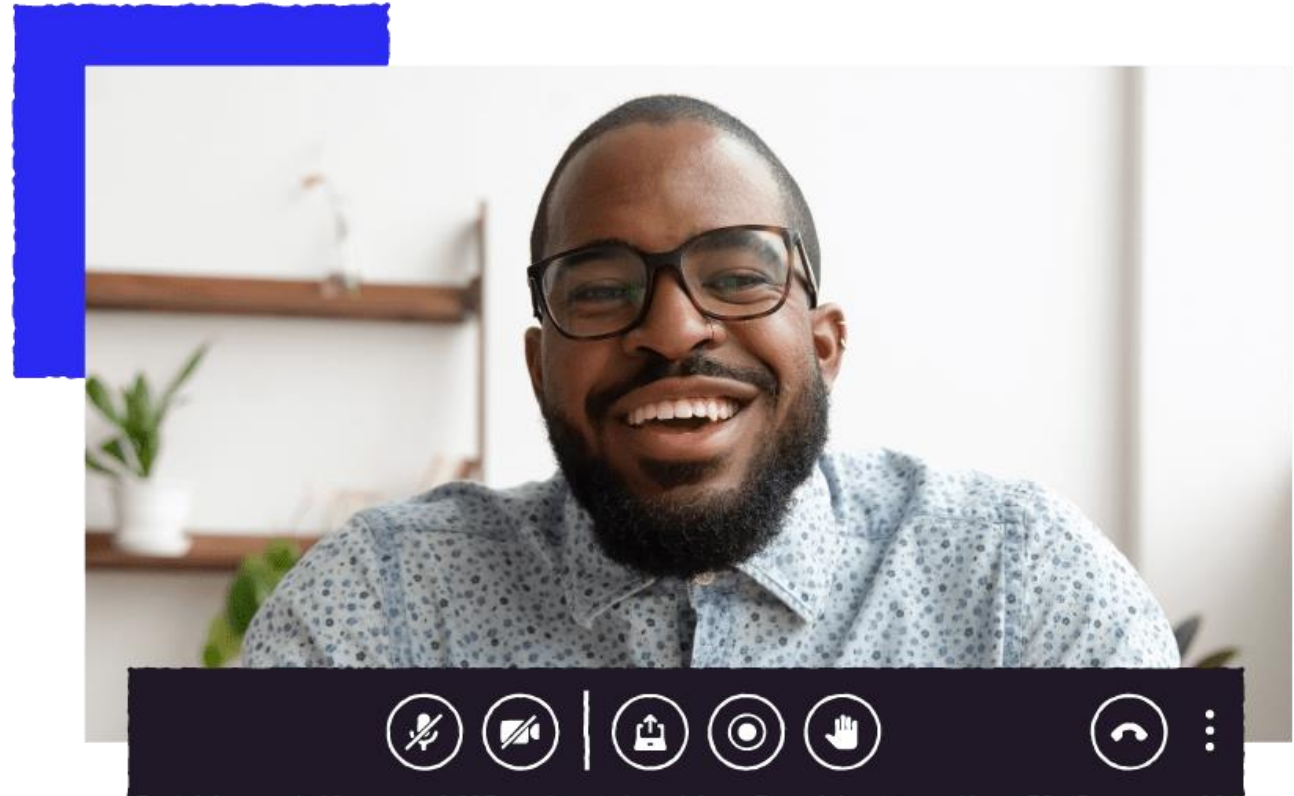
Using Connect

(Presentation port)

Use the professional grade room system camera and audio in any meeting.

Open the Lifesize Connect App, plug in the HDMI cable and watch the system automatically and securely connect to your computer.

Set your device preferences and you're ready to go!



Using Connect to Join a Meeting

Software-based configuration | Experience: Launching from Lifesize Phone HD to start



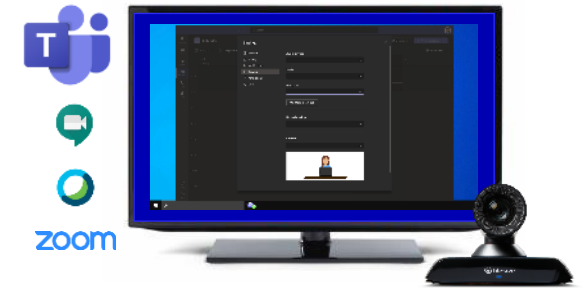
Launch

Select Lifesize Connect from the Phone HD screen to see instructions on the in-room display.



Connect your computer

Open the Lifesize Connect App on your Computer, then plug-in the HDMI cable to pair with the Lifesize system and mirror your screen to the in-room display.



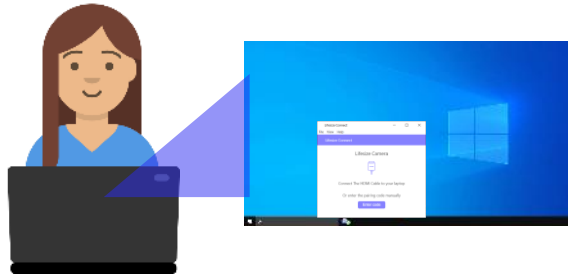
Join your meeting

Open the third-party collaboration app and select the room system camera, microphone, and speaker in the video and audio settings.

Join your meeting!

Using Connect to Join a Meeting

Software-based configuration | Experience: Connecting the HDMI cable to auto-launch Connect



Open the Connect App

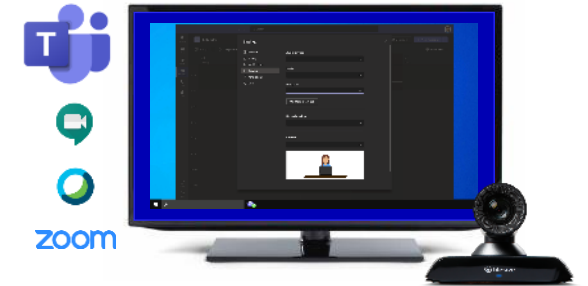
Open Lifesize Connect App if already installed on your computer.

If you don't have the app, you can easily download and install it.



Auto-Launch

Simply plug-in the HDMI cable to automatically pair with the Lifesize Icon room system across the network.



Join your meeting

Open the third-party collaboration app and select the Lifesize Connect camera, microphone, and speaker in the video and audio settings.

Join your meeting!

Using Connect – General User Information

- The software-based solution requires both the HDMI cable to be plugged into to the user's laptop computer and the Lifesize Connect app open on the user's computer to function. If the HDMI cable or network gets disconnected, the Lifesize Icon will exit Connect mode. Similarly, if the user's laptop computer goes to sleep when idle, the Lifesize Icon will exit Connect mode.
- The Lifesize Icon will automatically enter 'Do Not Disturb' mode when Lifesize Connect is activated and will automatically reject any inbound calls dialed directly to the system.
- The Lifesize Phone HD status LEDs will illuminate solid purple when the Lifesize Icon system is in Connect mode, to show the microphones are active. (**Note:** *No mute button is available on the Lifesize Phone HD in Connect mode*).
- Camera pan, tilt, zoom and preset controls are available on the Phone HD when in Connect mode.
- The audio output volume control is available on the Phone HD when in Connect mode.

Connect

Lifesize quality in any meeting



