

LifeSize[®] SDI Adapter™ Installation Guide



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Welcome to LifeSize Video Communications Systems

LifeSize[®] high definition video communications systems enable anyone with dispersed colleagues and operations to collaborate more clearly and effectively. Each system is designed to make video communication a highly productive, simple, and reliable experience.

This guide explains how to connect a supported third-party camera to LifeSize Room using the LifeSize SDI Adapter. Related documentation is available from the documentation CD included in the product box and from the Support page of www.lifesize.com. Release Notes, which describe known issues in the current release and any available workarounds, technical notes, and technical reference publications are available from the Support page of www.lifesize.com.

Supported Configurations

LifeSize supports the use of the LifeSize SDI Adapter with the Sony EVI-HD1 high-definition video color camera and LifeSize Room.

Connecting a Sony EVI-HD1 Camera to LifeSize Room

The LifeSize SDI Adapter includes the following components:

- LifeSize SDI Adapter unit
- 7.5-meter camera cable
- 25-meter VISCA cable (RS-232C cross cable)
- 15-meter SDI coax cable
- Quick reference card—graphical depiction of proper cabling and equipment setup
- Documentation CD

Note: The VISCA port on the back of the LifeSize SDI Adapter is reserved for future use.

Before you connect the Sony EVI-HD1 camera to the LifeSize SDI Adapter, refer to the product documentation that accompanies the camera for additional information about safety precautions and installation.

To connect the Sony EVI-HD1 camera to LifeSize Room using the LifeSize SDI Adapter, remove all LifeSize SDI Adapter components from the product packaging, including cables, and place them in the desired positions in your conference room. Refer to the LifeSize quick reference card included with your LifeSize SDI Adapter for a visual reference of the proper setup. The numbers on the quick reference card correspond to the following steps:

- On the back of the Sony EVI-HD1 camera, set the SYSTEM SELECT switch to 3.
 Note: You must set the SYSTEM SELECT switch before connecting the camera to an AC outlet.
- 2. Connect one end of the VISCA cable included with the LifeSize SDI Adapter to the VISCA IN port on the back of the Sony EVI-HD1 camera and the other end to one of the RS-232 serial ports on the LifeSize codec. The number of the serial port that you select must correspond to the number of an unused camera port on the LifeSize codec. For example, if you choose serial port 1, ensure that camera port 1 so available for use on the LifeSize codec.

Note: The VISCA cable enables you to control the Sony EVI-HD1 camera with the LifeSize remote control. If the cable is too short, omit this step and use the Sony Remote Commander to control the camera.

- Connect one end of the SDI coax cable (with the BNC connectors) to the HD OUT HD-SDI connector on the back of the Sony EVI-HD1 camera and the other end to the SDI connector on the LifeSize SDI Adapter.
- 4. Connect one end of the camera cable supplied with the LifeSize SDI Adapter to the camera port on the LifeSize SDI Adapter and connect the other end to the camera port on the LifeSize codec that has the same number as the serial port on the LifeSize codec that you used in step 2.
- 5. Connect the Sony EVI-HD1 camera to an AC outlet using the power adaptor and the power cord supplied with the camera. Refer to the product documentation that accompanies the camera for instructions.

Troubleshooting

Improperly connected or loose cables are common causes of problems with hardware units. When investigating a problem, first check all the external controls and cable connections. Check that connections are correct and secure, and that nothing is obstructing the cables. If the SDI coax cable becomes unplugged, color bars appear in the display and the blue LED on the LifeSize SDI Adapter blinks.

When you use the LifeSize remote control to control the Sony EVI-HD1 camera, a blue LED flashes on the front of the LifeSize SDI Adapter to indicate that the remote control is functioning properly. If the VISCA cable is properly connected, but the camera is not responding to commands from the LifeSize remote control, check the following:

- Ensure that the LifeSize remote control contains three AAA batteries that are in good working condition.
- Ensure that switch 2 (communication baud rate selector) on the BOTTOM switches on the Sony EVI-HD1 camera is set to OFF. Refer to the product documentation that accompanies the camera for more information about setting this switch.

VISCA Cable Pin Assignment

D-sub 9 pin			mini DIN 8 pin	
1.	CD			
2.	RXD	•	3.	TXD
3.	TXD		5.	RXD
4.	DTR	>	2.	DSR
5.	GND		4.	GND
6.	DSR	◀	1.	DTR
7.	RTS	$\overline{}$	6.	GND
8.	CTS	\mathcal{I}	7.	IR OUT (R)
9.	RI		8.	IR OUT (L)