Installation guide for Cisco TelePresence SX80

The SX80 codec offers the flexibility to video enable any meeting space.

Cisco offers the SX80 codec as a single unit or in integrator packages. A single unit is delivered with power cable and basic mounting parts. An integrator package contains:

- Cisco TelePresence SX80 codec
- Cisco TelePresence Touch 10 control panel
- Cisco cameras and microphones at your choice
- Power adapters and power cables
- PoE rated Ethernet cable for Touch 10
- Custom cables
- Basic mounting parts

Display, loudspeakers, and standard cables (Ethernet and HDMI) are not included.

SX80 supports up to four simultaneous video inputs (cameras or PCs), three displays, eight microphones and three sets of stereo loudspeakers.

Room setup

Explore the Cisco Project Workplace website to find inspiration and guidelines when preparing your office or meeting room for video conferencing, [http://www.cisco.com/go/projectworkplace](http://www.cisco.com/go/projectworkplace)

User guides

User guides and compliance and safety information for this product, is available at [http://www.cisco.com/go/sx-docs](http://www.cisco.com/go/sx-docs)

EMC class A declaration

WARNING: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

警告

为A级产品。在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对干扰采取切实可行的措施。
Attach rubber feet or mount the codec in a rack

Place the codec on a plane surface, or mount it in a standard rack.

On a plane surface
Attach the provided rubber feet on the bottom of the codec. Place them in the recess in each corner.

In a standard rack
Fasten the provided rack ears to the codec using four screws. The screws are pre-mounted in the codec. Use the Allen key to remove the screws, put the rack ears in place, and fasten them with the same screws (see illustration).

Fasten the codec with rack ears to the rack with screws matching your rack (not provided).
Connect to LAN, microphones, loudspeakers, Touch 10, cameras and displays

Make sure all units are switched off when connecting or disconnecting cables.

1. **LAN (RJ-45)**
   - Always use the 1st Ethernet port for LAN.

2. **Microphones, max 8 (Euroblock, 3.5 mm)**
   - If your microphone cable has 3 pins, use +, - and ground (⊥) and leave the mute pin (⊥) unused.

3. **Loudspeakers, mono or stereo (Euroblock, 3.5 mm)**
   - Use speakers with amplifiers. The speaker/amplifier should have balanced input to avoid ground loop noise.

4. **Touch 10 control panel (RJ-45)**
   - Insert the provided PoE injector between Touch 10 and the codec’s 2nd or 3rd Ethernet port.

5. **Cameras, max 3 (HDMI)**
   - How to connect cameras are described overleaf. Note that different cameras use different ports for camera control.

6. **Displays, max 3**
   - (2 HDMI, 1 DVI-I)

---

1. The audio line outputs may be configured to be used for loudspeakers.
2. The Ethernet connector is behind the lid at the rear of Touch 10. The Ethernet cable between Touch 10 and the PoE injector must be PoE rated (provided). The Ethernet cable between the PoE injector and the codec is not required to be PoE rated (not provided).
3. There is no DC power output from the camera control port. Use an external power supply for the camera.
4. The codec’s 2nd and 3rd Ethernet ports should be used for the Touch 10 control panel, as well as for Cisco’s SpeakerTrack 60 and Precision 60 cameras (see details for the cameras overleaf). Connect a network switch to the codec’s 2nd or 3rd Ethernet port, if you need more than two ports to support your devices.
Connect a PC (optional)

Connect a PC to the codec, in order to share content locally or with conference participants.

Cisco offers a PC presentation cable that connects the codec’s DVI-I input and Audio line in port (Euroblock), to the PC’s VGA and mini jack connectors.

Alternatively, you can use a standard HDMI cable (not provided).

Start using the system

Connect to power, then switch on the system.

Wait while the codec starts up. Normally this takes a few minutes. It may include automatic software upgrade and restart of Touch 10 and camera(s).

Follow the instructions on screen to set the language etc.

If your system is not set up to be automatically provisioned, you must configure the system before you can make your first call. This is described in the Getting Started Guide, which is available at http://www.cisco.com/go/sx-docs
About cameras

The codec has three HDMI camera inputs, and can therefore support up to three cameras.

Cisco provides the following cameras:

**Cisco TelePresence SpeakerTrack 60** is based on two Cisco TelePresence Precision 60 cameras and a microphone panel for advanced speaker tracking.

**Cisco TelePresence Precision 60** is a full HD camera with 1080p60 resolution, 20x total zoom, and wide angle view.

**Cisco TelePresence PrecisionHD 1080p 4xS2** is a full HD camera with 1080p60 resolution and 4x optical zoom.

You can use any combination of these cameras, as long as the maximum number of cameras does not exceed three.

See how to connect the cameras on the following pages.

For more details about the Cisco cameras, refer to camera guides that are available at [http://www.cisco.com/go/camera-docs](http://www.cisco.com/go/camera-docs)

---

5 Note that Cisco TelePresence SpeakerTrack 60 is composed of two cameras.

6 Note that the camera surface is hot when the camera is in operation.
Connect Cisco TelePresence Precision 60

Power (100-240 VAC, 50/60 Hz)

Always use the provided power cable and adapter (12 VDC, minimum 3 A).

Connect the camera to one of the codec’s camera inputs (HDMI).
Cisco recommends using the 1st camera input for the main camera.
Also connect the camera to the codec’s 2nd or 3rd Ethernet port, and to power.

Connect Cisco TelePresence PrecisionHD 1080p 4xS2

Power (100-240 VAC, 50/60 Hz)

Always use the provided power cable and adapter (12 VDC, minimum 2 A).
Cisco recommends using the 1st camera input for the main camera.
Also connect the camera to the codec’s dedicated camera control port (D-SUB 9), and to power.
Cisco has more than 200 offices worldwide. 
Find an overview of the offices on the Cisco web site at http://www.cisco.com/go/offices 

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)