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

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

The SX80 codec supports up to three screens, eight microphones and three sets of stereo loudspeakers. The codec supports up to seven cameras provided that you add a video switcher. The codec itself has four input connectors that can be used simultaneously for cameras, laptops and other input sources.

Room setup

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

Documentation

Visit one of these websites to find out more about setup, management, and use of this product:

> https://help.webex.com
> https://www.cisco.com/go/sx-docs

Use the first link if your device is registered to the Cisco Webex service and the second link if the device is registered to another service.
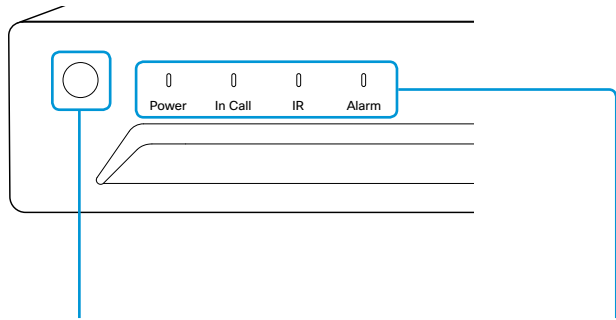
EMC class A declaration

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

此为 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。

Front panel

Shutdown

Front panel LEDs

Power	Blinks when the system is starting up.
	Steady light when the codec is ready for use.
	Pulsates when the codec is in standby.
In Call	Steady light when in call.
IR	Not in use.
Alarm	Lights steady when a serious error occurs.

## 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.
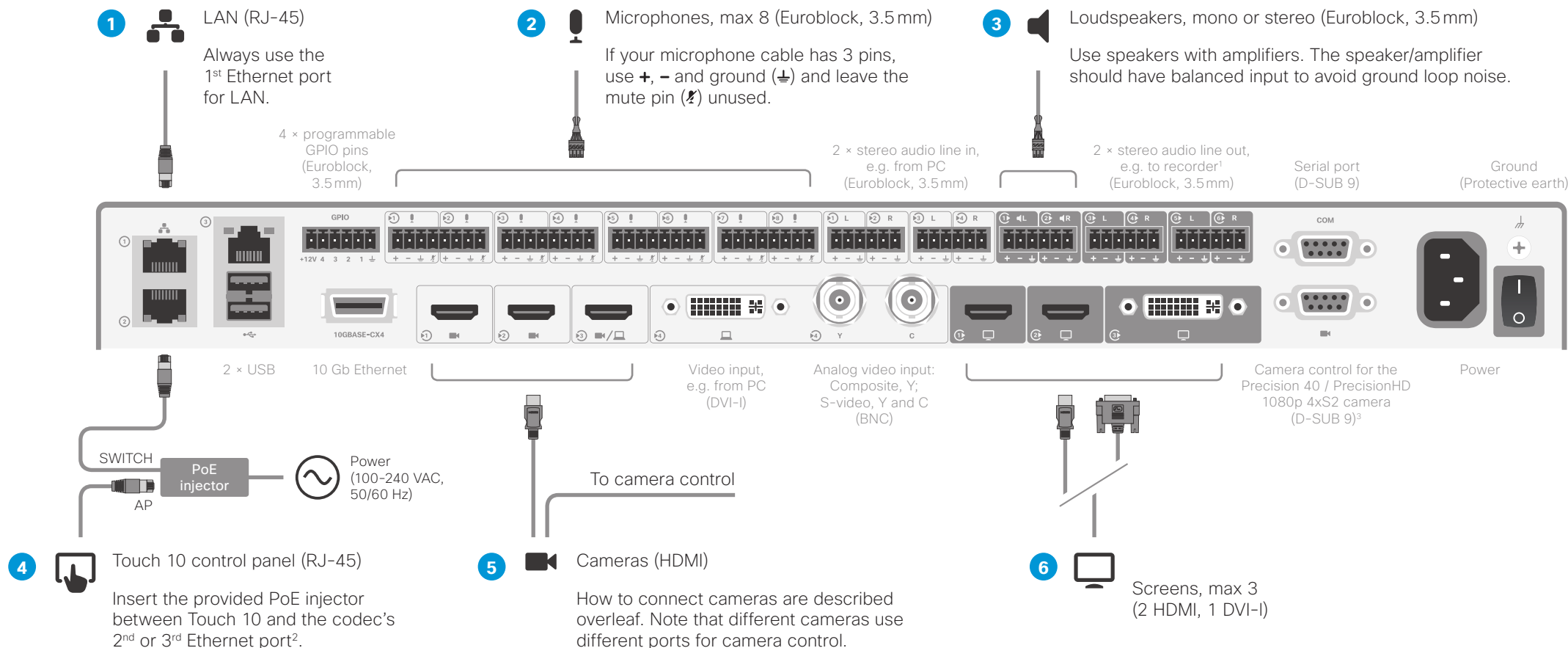
In a standard rack

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).

Allen key, 2 mm
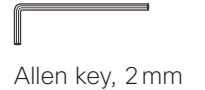
Fasten the codec with rack ears to the rack with screws matching your rack (not provided).

Connect to LAN, microphones, loudspeakers, Touch 10, cameras and screens

⚠ 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 × programmable
GPIO pins
(Euroblock,
3.5 mm)

2 × stereo audio line in,
e.g. from PC
(Euroblock, 3.5 mm)

2 × stereo audio line out,
e.g. to recorder[1]
(Euroblock, 3.5 mm)

Serial port
(D–SUB 9)

Ground
(Protective earth)

2 × USB   10 Gb Ethernet

Video input,
e.g. from PC
(DVI-I)

Analog video input:
Composite, Y;
S-video, Y and C
(BNC)

Camera control for the
Precision 40 / PrecisionHD
1080p 4xS2 camera
(D–SUB 9)[3]

Power

SWITCH

PoE
injector

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

AP

To camera control

4 Touch 10 control panel (RJ-45)

Insert the provided PoE injector
between Touch 10 and the codec's
2nd or 3rd Ethernet port[2].

5 Cameras (HDMI)

How to connect cameras are described
overleaf. Note that different cameras use
different ports for camera control.

6 Screens, max 3
(2 HDMI, 1 DVI-I)

About the 2nd and 3rd Ethernet port

The codec's 2nd and 3rd Ethernet ports should be used for the Touch 10 control panel,
as well as for the Cisco's SpeakerTrack 60, Precision 60, and Quad cameras.

Connect a network switch to the codec's 2nd or 3rd Ethernet port, if you need more than
two ports to support your devices.

[1] The audio line outputs may be configured to be used for loudspeakers.

[2] The Ethernet connector is 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
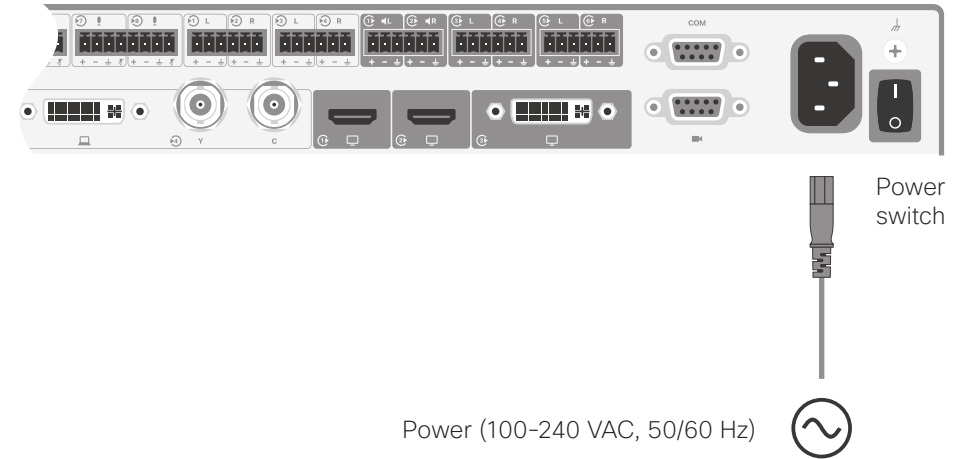required to be PoE rated (not provided).

[3] There is no DC power output from the camera control port. Use an external power supply for the camera.

Connect a PC (optional)

PC, max 2
(DVI-I/Euroblock or HDMI)
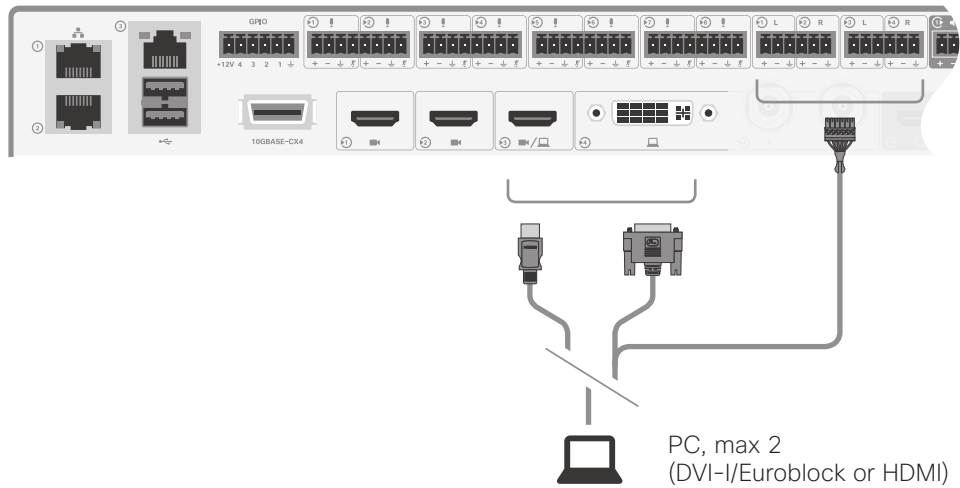
7 Connect a PC to the codec, in order to share
content locally or with conference participants.

Start using the system

Power
switch

Power (100–240 VAC, 50/60 Hz)

⚠ **Always use the provided power cable.**

**The codec inlet or the wall socket outlet
must be easily accessible after installation.**

**8** 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:

· Cisco Webex: To find more information on how to get
started, visit https://help.webex.com and look for Getting
Started articles for room devices.
· Other services: For further information on set-up and
configuration, download the *Getting Started Guide* from
the Cisco web site, https://www.cisco.com/go/sx-docs

About cameras

You can connect cameras, lap tops, and other input sources to the video inputs of the codec. The codec has three HDMI inputs, a DVI-I input, and an analog input (the DVI-I and analog inputs cannot be used simultaneously). If you need more inputs, you must add a video switcher. Cisco provides the following cameras:
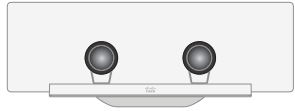
Cisco TelePresence SpeakerTrack 60
Based on two Cisco TelePresence Precision 60 cameras and a microphone panel for speaker tracking.
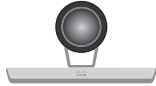
Cisco TelePresence Precision 60
A full HD camera with 1080p60 resolution, 20x total zoom, and wide angle view.

Cisco TelePresence Precision 40 /
Cisco TelePresence PrecisionHD 1080p 4xS2[4]
A full HD camera with 1080p60 resolution and 4x optical zoom.

Cisco Quad Camera
A full HD camera with microphones for speaker tracking, auto-framing capabilities, and integrated loudspeakers.

You can use any combination of these cameras, as long as only one camera supports speaker tracking, and the maximum number of cameras does not exceed seven[5].

For more details about the Cisco cameras, refer to camera guides that are available at
https://www.cisco.com/go/telepresence/docs

Connect Cisco Quad Camera

There is a separate installation guide that covers the SX80 with Quad Camera:
Cisco TelePresence SX80 Integrator Package with Quad Camera Installation Guide.

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[4] This camera is sold under two names. There is no difference.

[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 SpeakerTrack 60

Right camera

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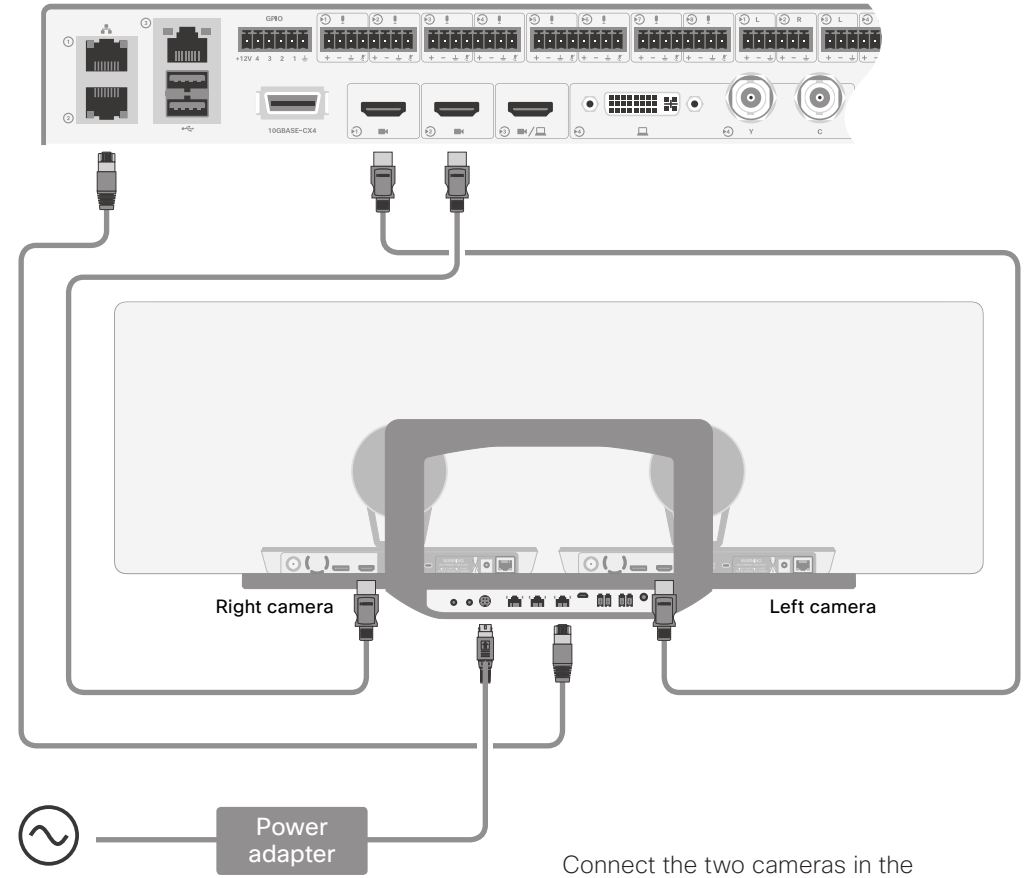
Power
adapter
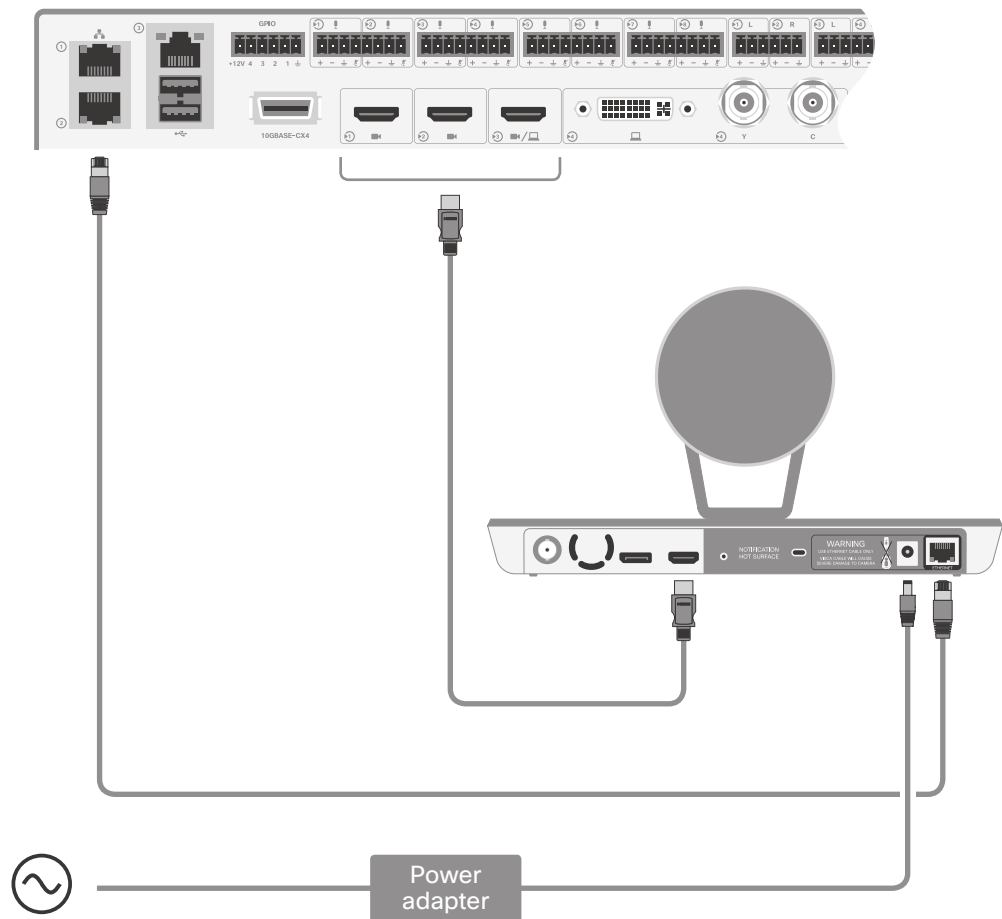
Power
(100-240 VAC, 50/60 Hz)

⚠ Always use the provided power cable and adapter (12 V_{DC}, minimum 6.5 A).

Connect the two cameras in the SpeakerTrack 60 assembly to the codec's 1st and 2nd camera inputs (HDMI).

Also connect SpeakerTrack 60 to the codec's 2nd or 3rd Ethernet port, and to power.[6]

Refer to the installation guide that comes with SpeakerTrack 60 for further information about camera assembly and cabling.

Connect Cisco TelePresence Precision 60
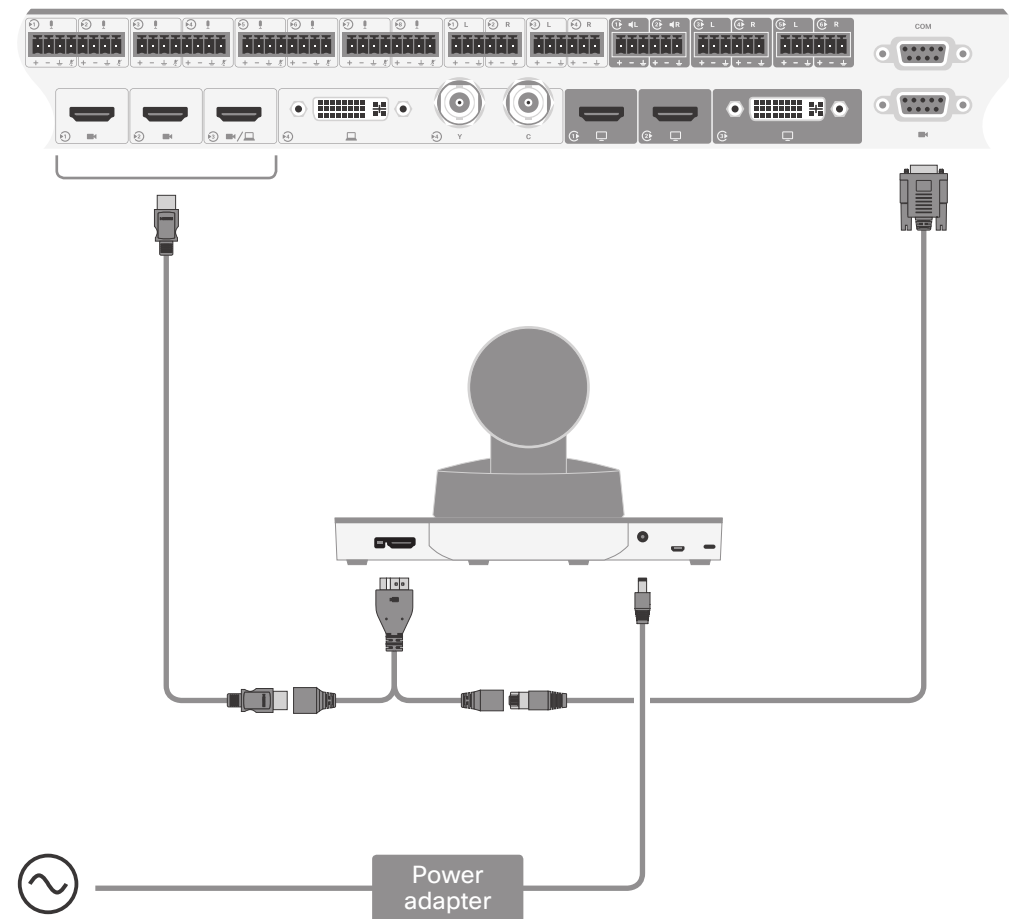

Power
(100–240 VAC, 50/60 Hz)

⚠ Always use the provided power cable and adapter (12 V_{DC}, 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.[6]

Connect Cisco TelePresence Precision 40 / Cisco TelePresence PrecisionHD 1080p 4xS2

Power
(100–240 VAC, 50/60 Hz)

⚠ Always use the provided power cable and adapter (12 V_{DC}, minimum 2 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 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 https://www.cisco.com/go/offices