Installation guide

for Cisco TelePresence MX700 Single Camera
mounted on the wall

This guide covers the MX700 with single camera, mounted on the wall.

Manpower

👤 **x3** We recommend three people working together to mount this system. Follow local regulations.

Dimensions

Height: 1071 mm / 42.2 in.
Width: 2517 mm / 99.1 in.
Depth: 148 mm / 5.9 in.
Weight: 161 kg / 355 lb

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

Safety information

⚠️ Due to the size and mass of this product it is important that the wall-mounted system is safely installed according to these installation instructions.

The wall and mounting hardware must be able to safely support the product.

The wall-mounted system must be installed by qualified personnel, in accordance with state and local building regulations.

Documentation

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

https://collaborationhelp.cisco.com
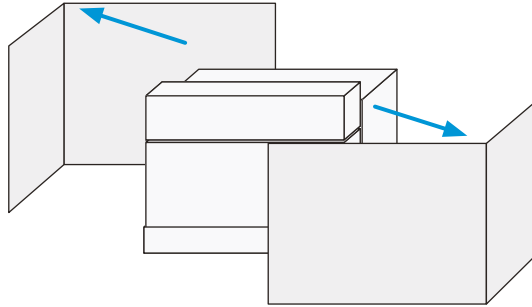https://www.cisco.com/go/mx–docs

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.

Packaging

**1** Open the plastic snap locks and remove the side walls.

A ⋯ M	Boxes are labeled A to M. This guide refers to the labels.
B+E-G	Shows which boxes are inside.
	Tools and screws are in this box.

2 Lay the box marked with F–J+L+M flat on the floor. Remove the lid. Boxes F to J, L and M are inside.

Lay the box marked with A, and B+C+E+H+K flat on the floor. Remove the lid. Boxes B, C, E, H and K are inside.

F–J+ L+M   B+C+E+H+K A   D
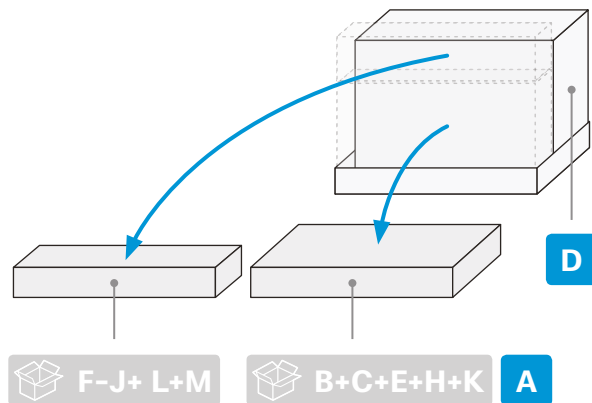
Screws and tools

The screw kit may contain more screws than you need, because the same kit is shipped with all mounting options.

M6x100, pan
Tool: Allen key, 4 mm

M6x90, countersunk
Tool: Allen key, 4 mm

M6x35, countersunk
Tool: Allen key, 4 mm
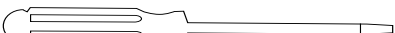
M6x12, pan
Tool: Allen key, 4 mm

M6x12, countersunk
Tool: Allen key, 4 mm

PT4x10, pan
Tool: Torx T20

M4x8, pan
Tool: Allen key, 2.5 mm

Allen key, 4 mm

Allen key, 2.5 mm

Torx T20

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.
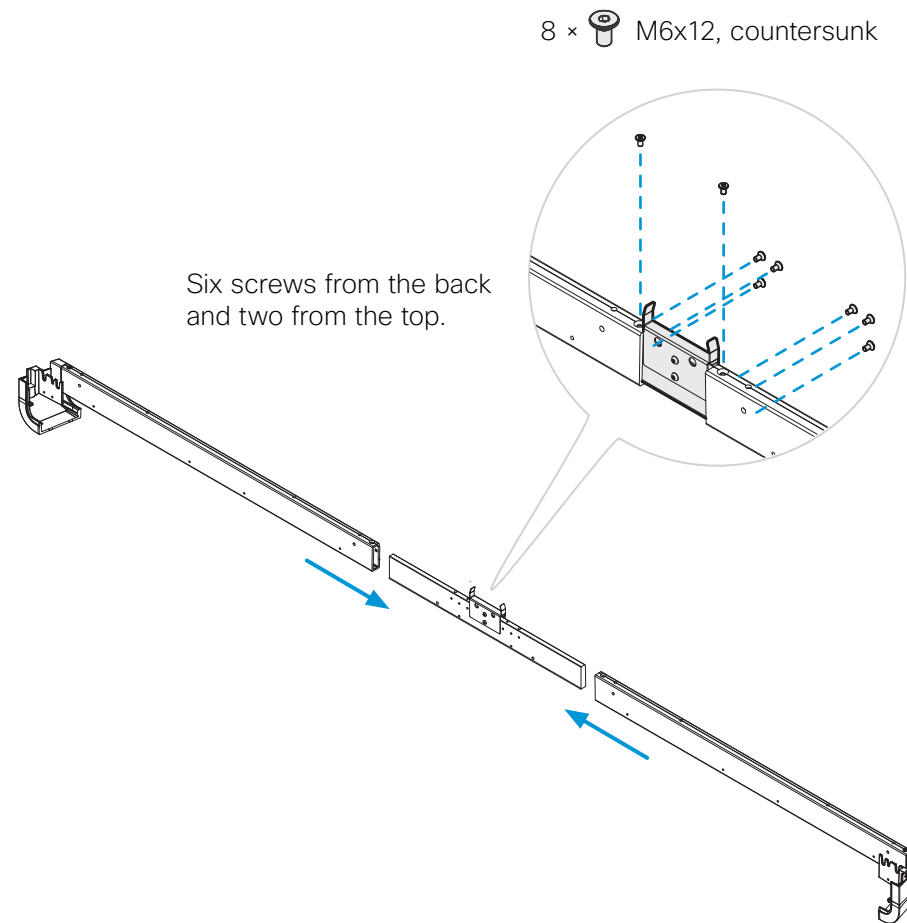
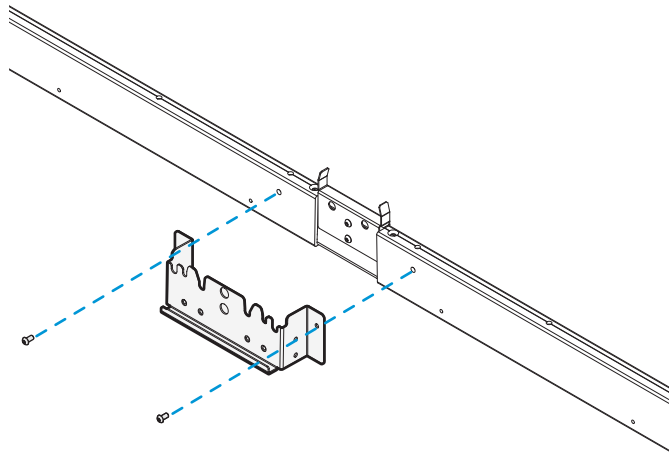声 明

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，可能需要用户对其干扰采取切实可行的措施。

1 Assemble lower frame

A, B

8 × M6x12, countersunk

Six screws from the back and two from the top.

2 Fasten center bracket

B

2 × M6x12, pan

3 Mount left wall bracket

🗆 C

Check that the wall bracket is level and mark the required screw hole positions on the wall. Use at least four screws when fastening the wall bracket. The wall bracket can be fastened through any of the horizontal slots.

Fasten the wall bracket in a secure manner ensuring that the wall's structure is sufficient to support the system load (screws and mounting hardware not provided; not shown in illustration).

The lower edge of the screen image will be at the height of these horizontal slots.

We recommend that the distance from the floor to this line is 70 cm / 27.6 in.*
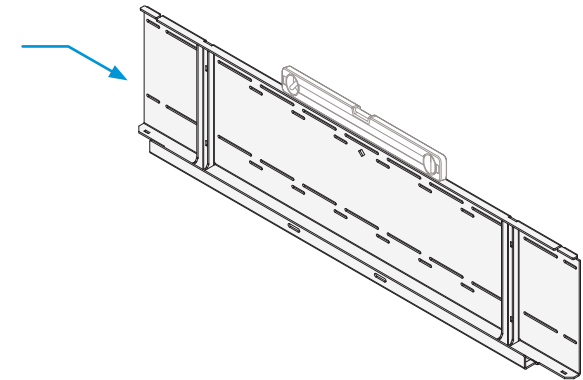
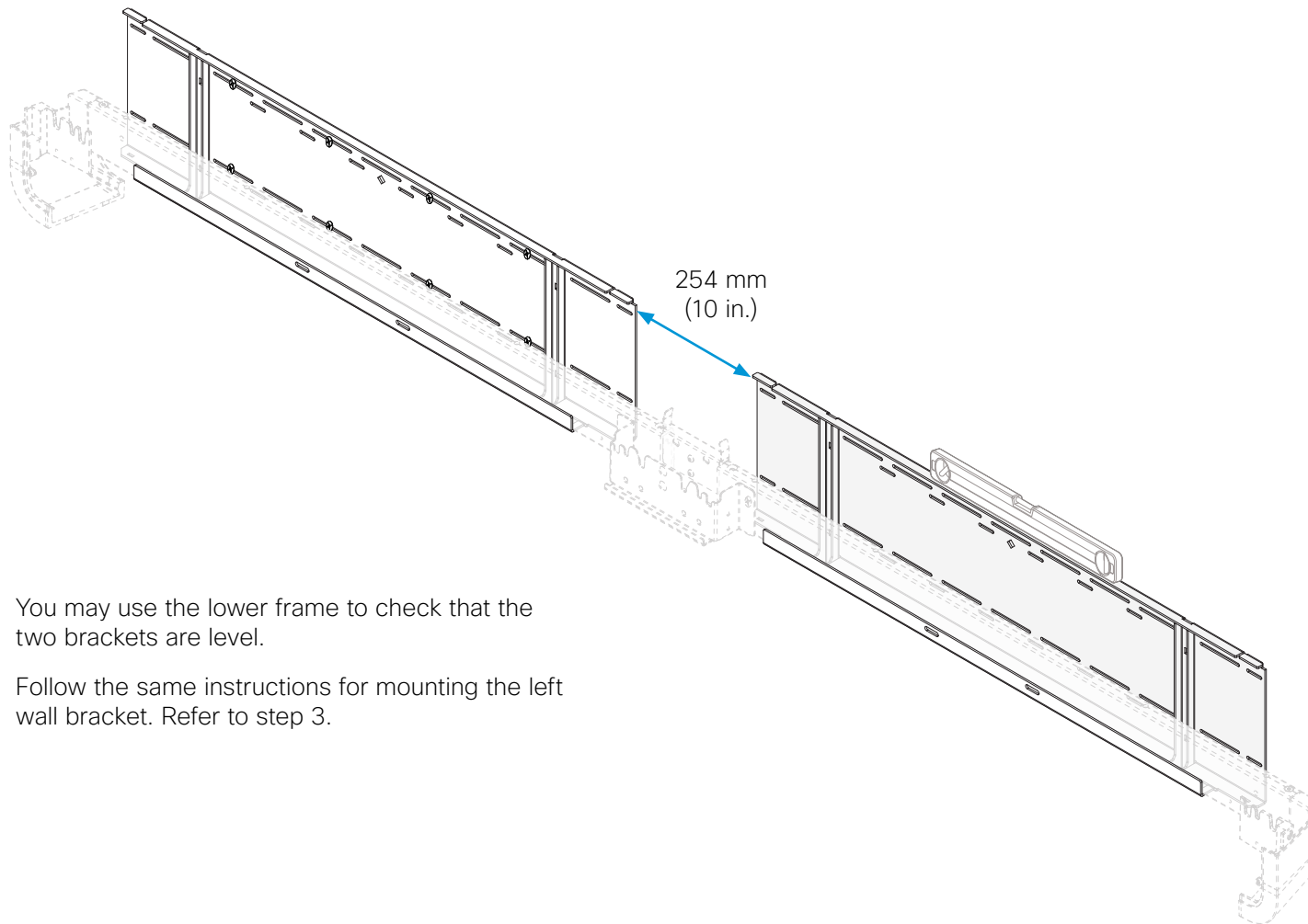* If you mount the system higher, note the following consequences:

– You may need to increase the distance between the video system and the table in order for the camera to capture the closest participants.

– The camera gives an elevated view of the room. This view is not optimal for video conferencing.

Further information: https://www.cisco.com/go/projectworkplace

2D CAD drawings with measurements: https://www.cisco.com/go/mx-docs (Technical References)

4 Mount right wall bracket

A

254 mm
(10 in.)
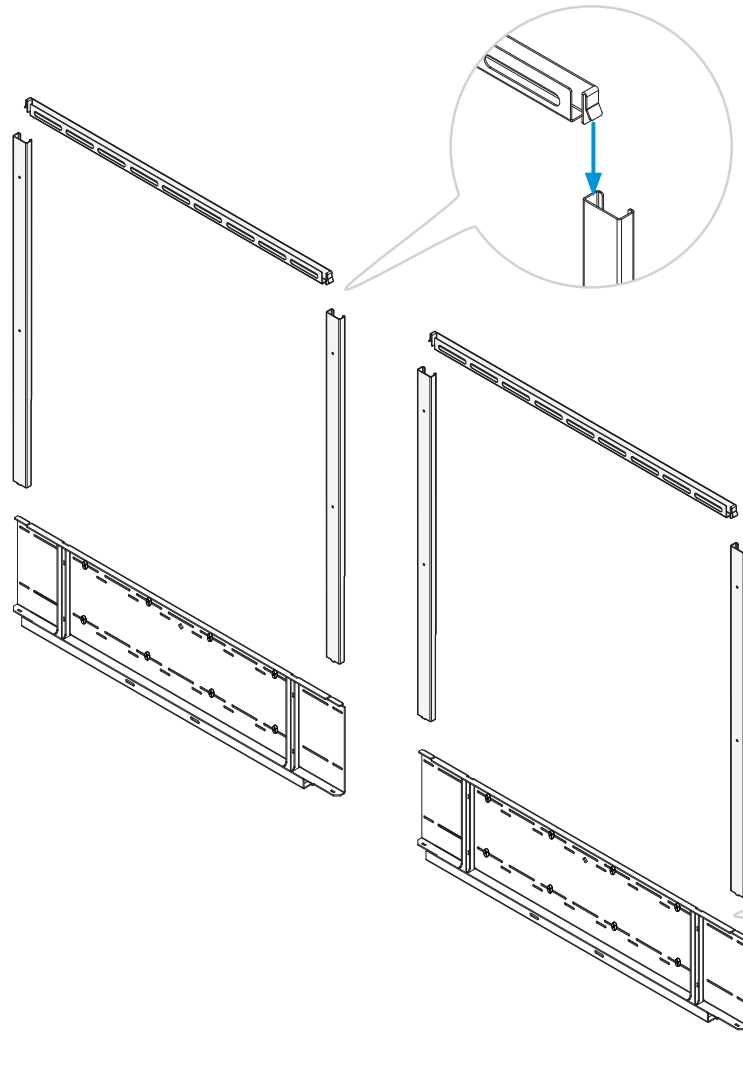
You may use the lower frame to check that the two brackets are level.

Follow the same instructions for mounting the left wall bracket. Refer to step 3.

5

Mount spacers and top wall brackets

📦 **A**

2 Snap the top wall brackets onto the spacers. Face the narrow slots against the wall.

Fasten the top wall brackets in a secure manner ensuring that the wall's structure is sufficient to support the system (screws and mounting hardware not provided; not shown in illustration).

1 Mount spacers onto the wall brackets.

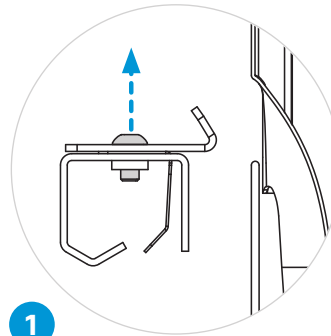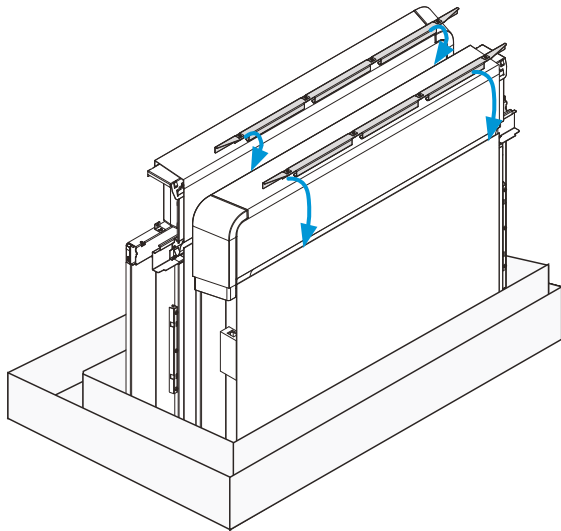Fasten each spacer with two screws (not provided; not shown in illustration).
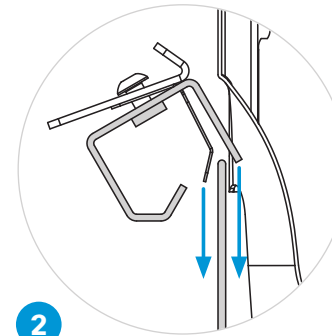
6 Fasten lower frame

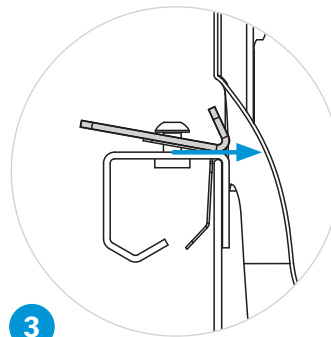4 × M6x12, pan
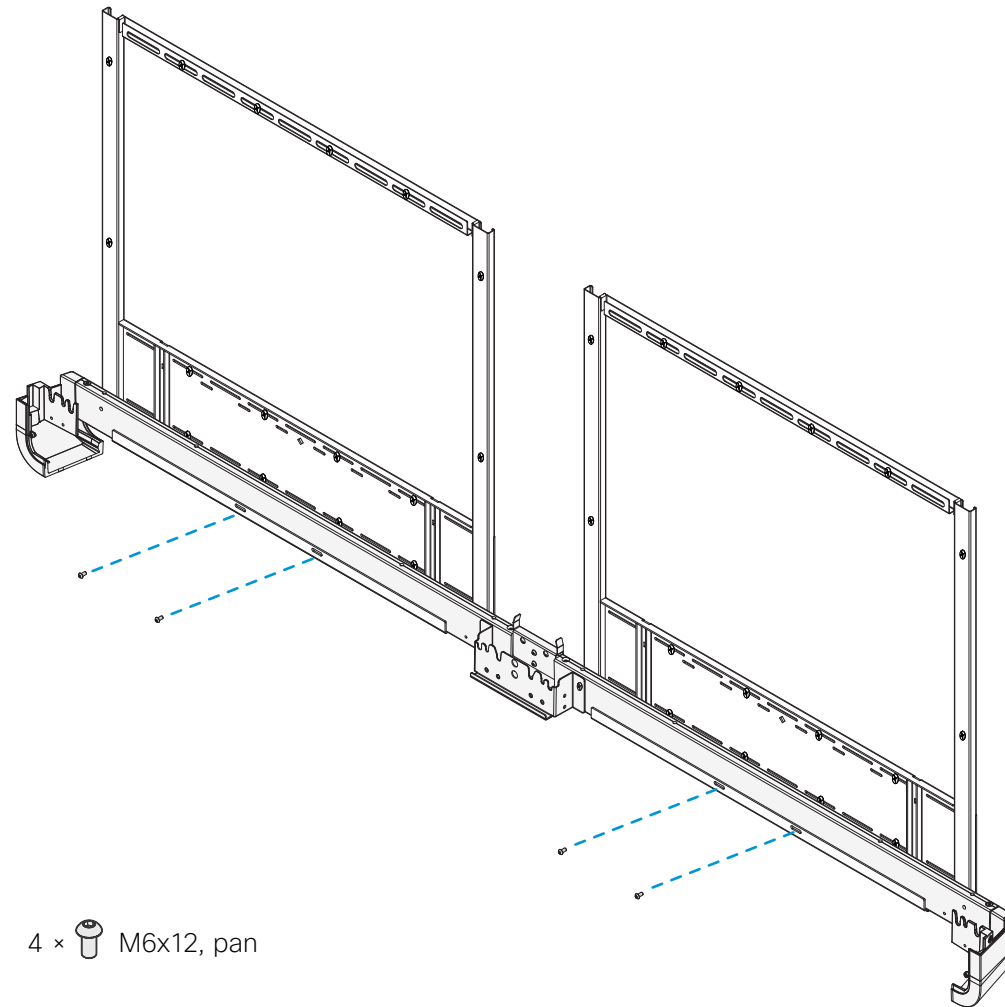
7 Fasten clamps on monitors

📦 **A, D**

While the monitors are still in the package, mount the clamps on the rear side of both monitors.
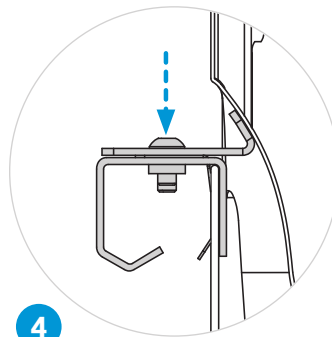
1

Use the Allen key 2.5 mm and loosen, but do not remove, the premounted screws.

2

Slide the clamp in place on the monitor and make sure that all the small clamps are properly fitted.

3

Push the support bracket tight against the back plate of the monitor.

4

⚠ Tighten the screws and check that the clamp is properly fastened.
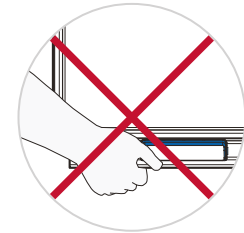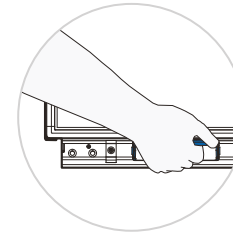
8 Read before you mount the monitors

The monitors are heavy

We recommend three people working together to mount the monitors. Two people should lift the monitor using the handles as described here. The other person must help stabilizing the monitor and check that the monitor enters the slots properly.
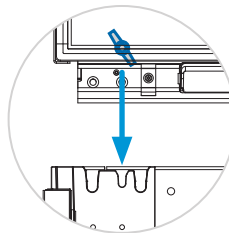
### The screws with wing nut, which you can see from the sides of the monitor, must enter the center slot on each side of the lower frame.

Use lifting handles

To avoid trapping your fingers, use the lifting handles at the bottom of the monitor.

Note to Step 9 and Step 11

When you lift and place the monitor onto the wall brackets, keep the monitor close to the wall so the clamps on the rear side of the monitor slide fully onto the top wall bracket.
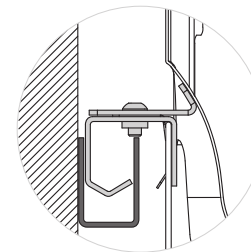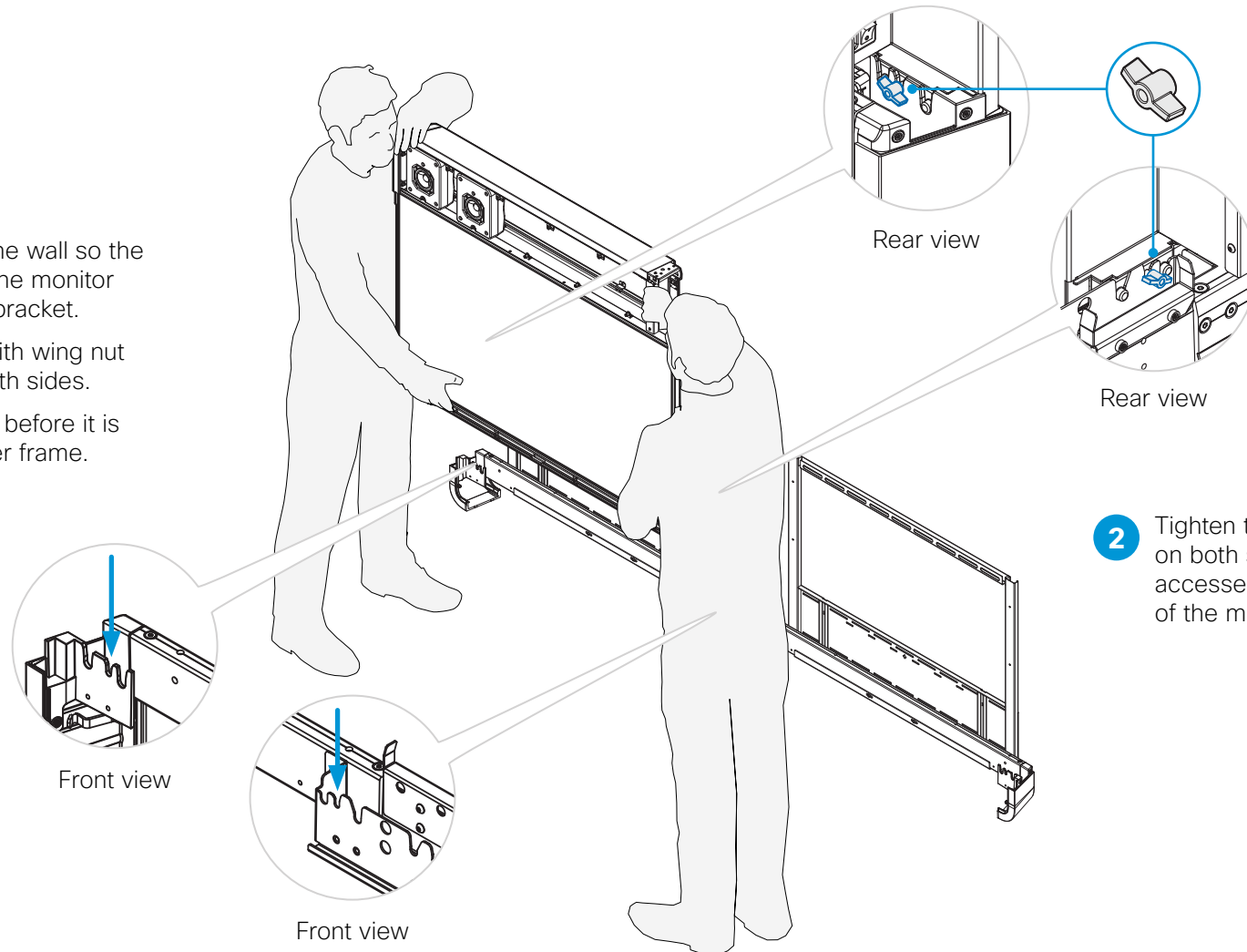
9 Lift and place left monitor onto lower frame

📦 **D**

⚠️ 👤 **x3**

65 kg / 144 lb

1 Keep the monitor close to the wall so the clamps on the rear side of the monitor slide fully onto the top wall bracket.

Make sure that the screw with wing nut enters the center slot on both sides.

Do not let go of the monitor before it is securely placed on the lower frame.

Rear view

Rear view

2 Tighten the wing nuts on both sides. They are accessed from the sides of the monitor.

Front view

Front view

10 Fasten left monitor and connect power cable

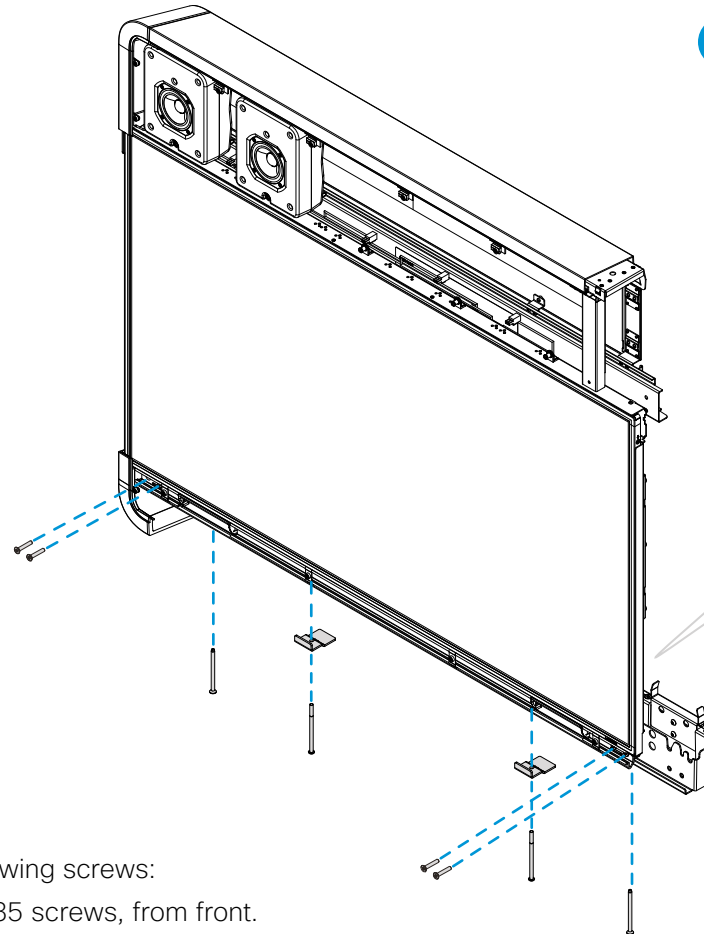4 ×   M6x35, countersunk

2 ×   M6x90, countersunk

2 ×   M6x100, pan

2 ×   Bracket

1 Enter the following screws:

- Four M6x35 screws, from front.
- Two M6x90 screws, from underneath.
- Two M6x100 screws and their brackets, from underneath.

Then, tighten all screws.
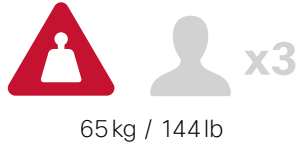
2 Connect power cable

A power cable is strapped at the rear of the monitor. Connect it to the close-by socket.

Let the other end hang freely. It will be connected to the right monitor in step 12.

Rear view

Left side of the monitor, viewed from underneath

Right side of the monitor, viewed from underneath
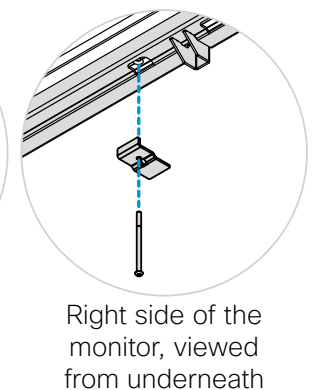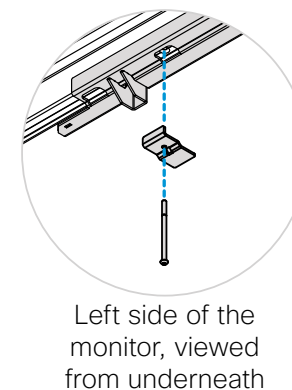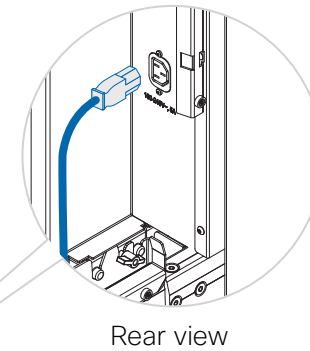
11 Lift and place right monitor onto lower frame
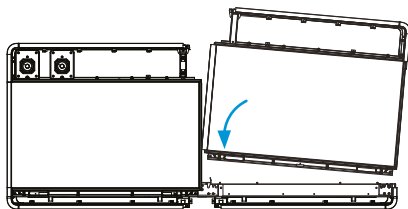
D

⚠ 👤 **x3**

65 kg / 144 lb

1 Keep the monitor close to the wall so the clamps on the rear side of the monitor slide fully onto the top wall bracket.

Make sure that the screw with wing nut enters the center slot on both sides.

Keep the outer side a bit lower than the side toward the left monitor when lowering the right monitor onto the lower frame.

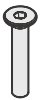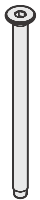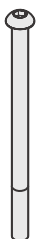Do not let go of the monitor before it is securely placed on the lower frame.
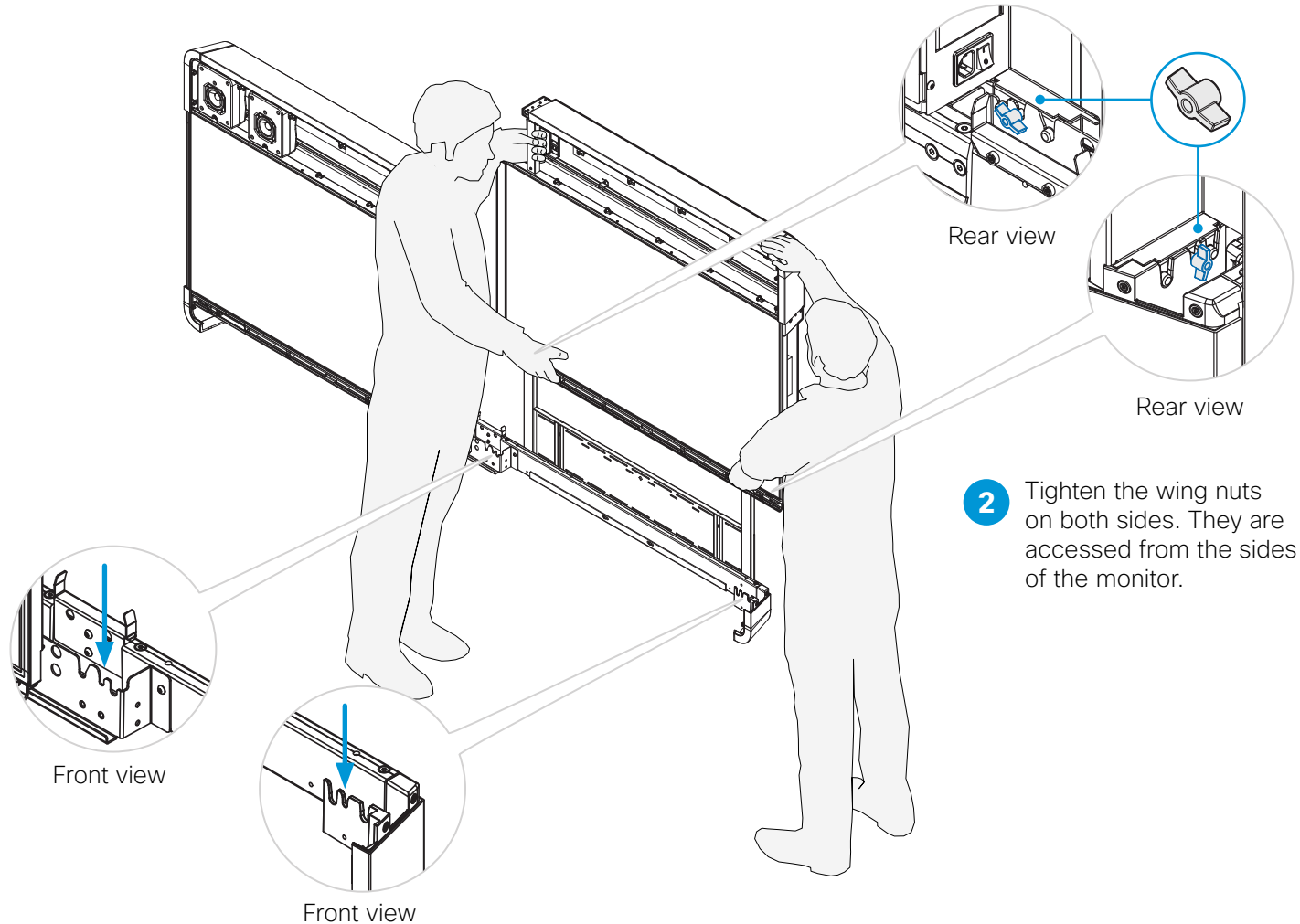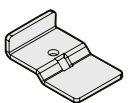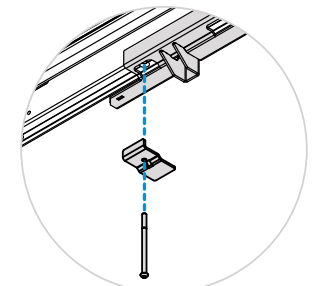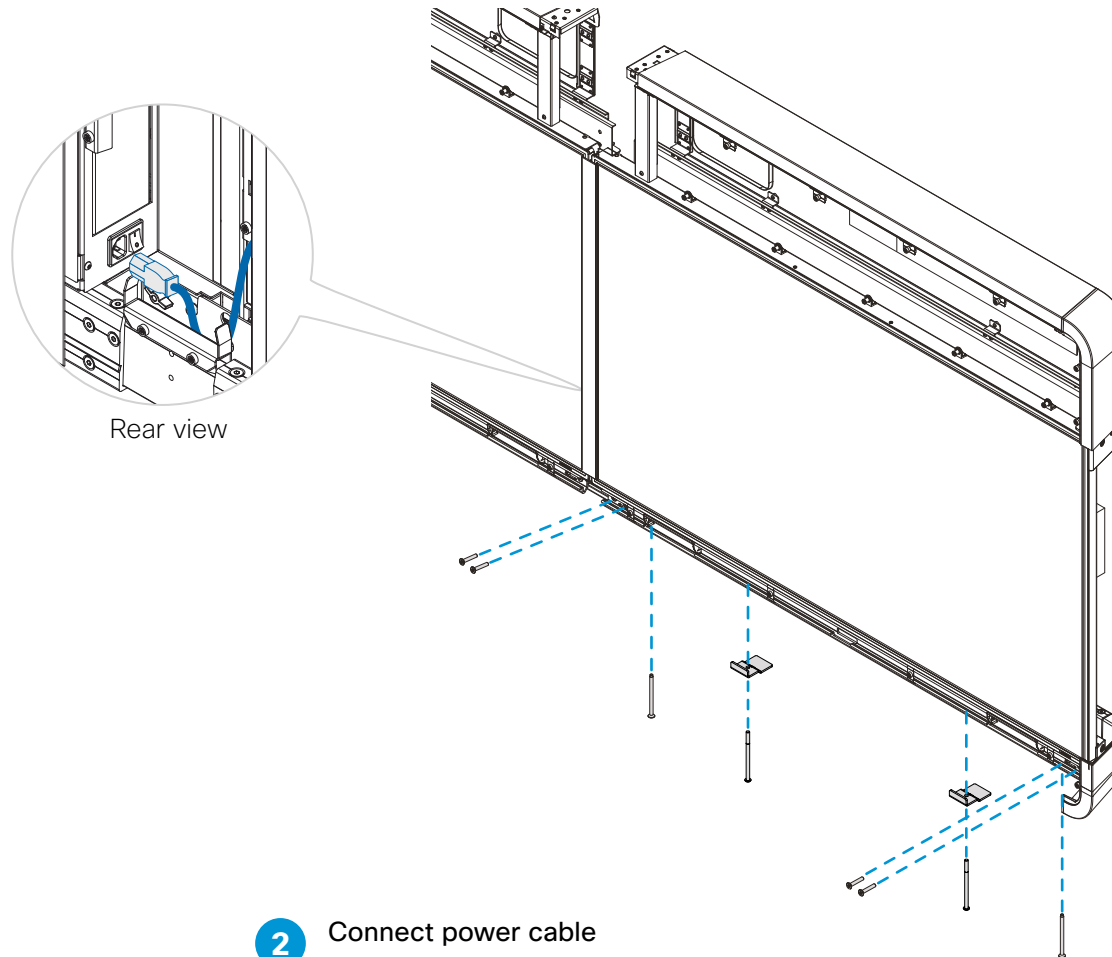
Rear view

Rear view

2 Tighten the wing nuts on both sides. They are accessed from the sides of the monitor.
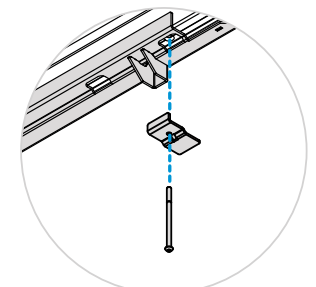
Front view

Front view

12 Fasten right monitor and connect power cable

4 ×   M6x35, countersunk

2 ×   M6x90, countersunk

2 ×   M6x100, pan

2 ×   Bracket

Rear view

Left side of the monitor, viewed from underneath

Right side of the monitor, viewed from underneath

1   Enter the following screws:

- Four M6x35 screws, from front.
- Two M6x90 screws, from underneath.
- Two M6x100 screws and their brackets, from underneath.
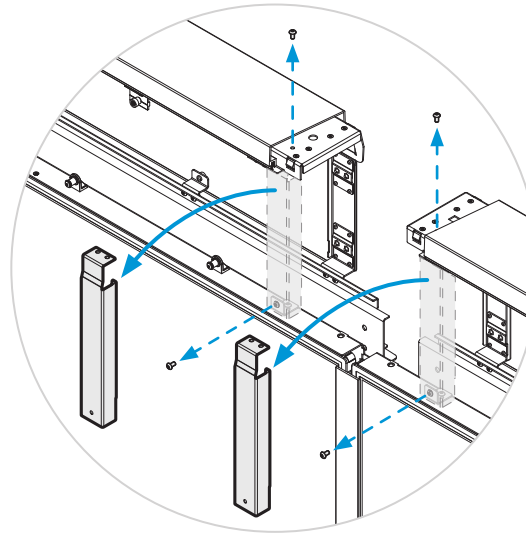
Then, tighten all screws.

2   Connect power cable

Connect the loose end of the power cable from step 10 to the close-by socket at the rear of the right monitor. The socket must be reached from below.

Make sure that the power switch next to the socket is in its ON position.
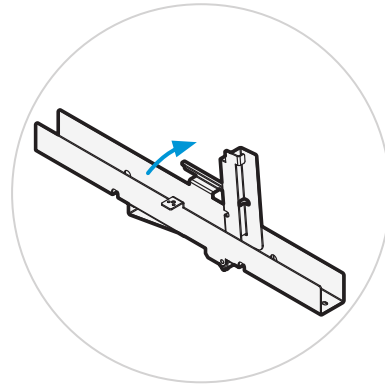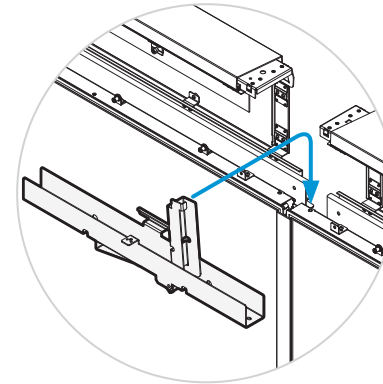
13 Remove support handles

Unscrew the screws (4 × M4x8)
and remove the support handles.

14
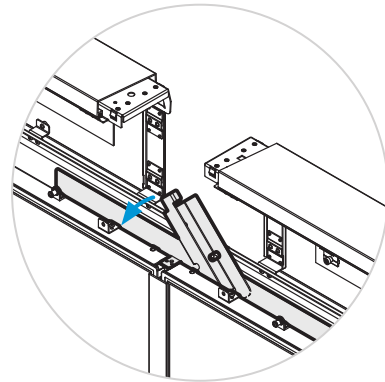
Mount joining bracket

A

1 Open the lever.

2 Place the joining bracket in the channel. Make sure that it aligns with the channel at top.

3 Push down the lever to horizontal position.
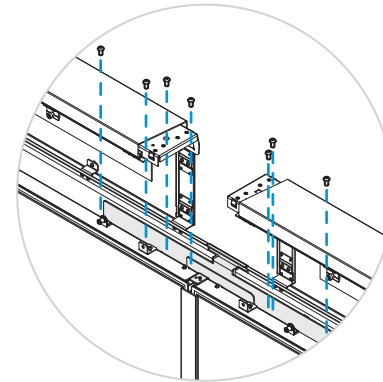
4 7 × M6x12, pan

15

Fasten covers to lower frame

📦 **A**

Let the cover rest on the bottom frame on one side. Hold the cover in place while you fasten it with a screw. Reach the screw hole through the monitor's lifting handle.

Repeat this step for the other cover.

2 × ⬙ M6x12, pan (one for each cover)

16

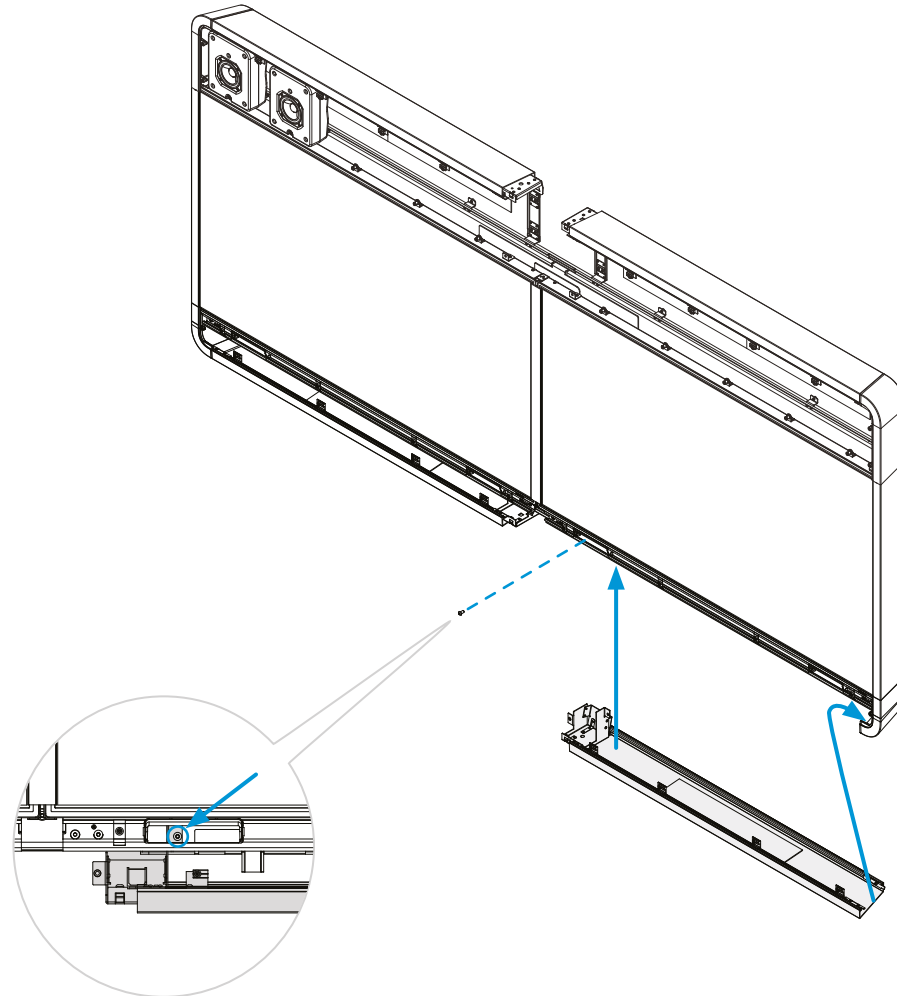## Fasten cable bridge

B

2 × M6x12, pan

17 Mount back cover

📦 **E**

1 Lead the guidance pins on the back cover into the holes.

2 Lower the back cover toward the system. The cover snaps to magnets.

Rear view, for illustration purposes. Mount from front.

18

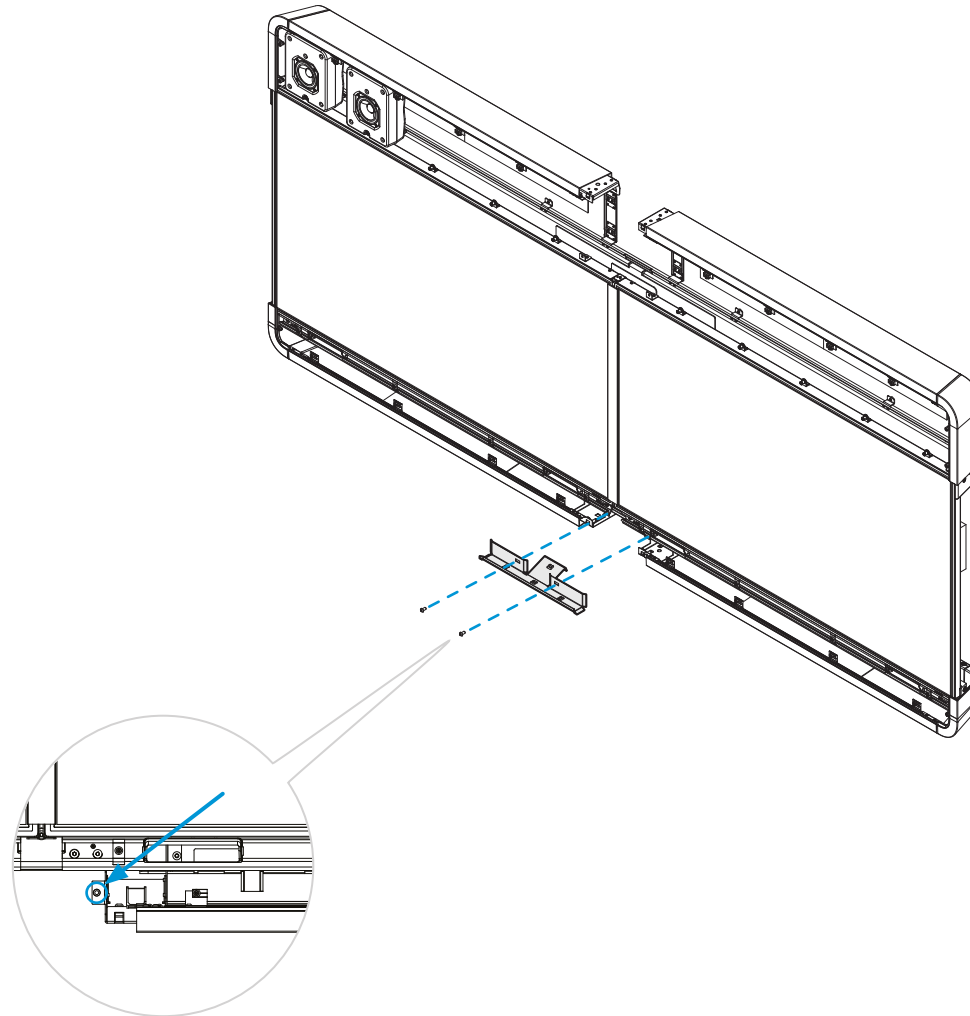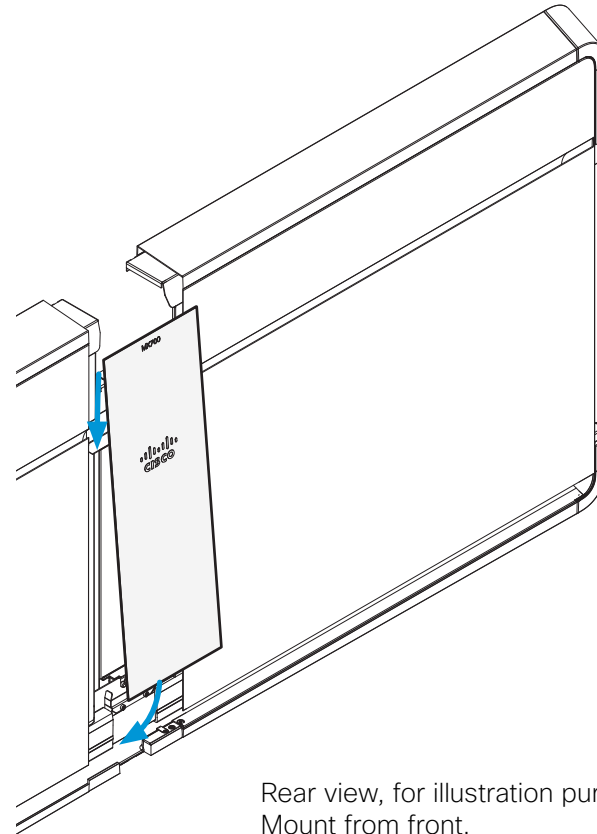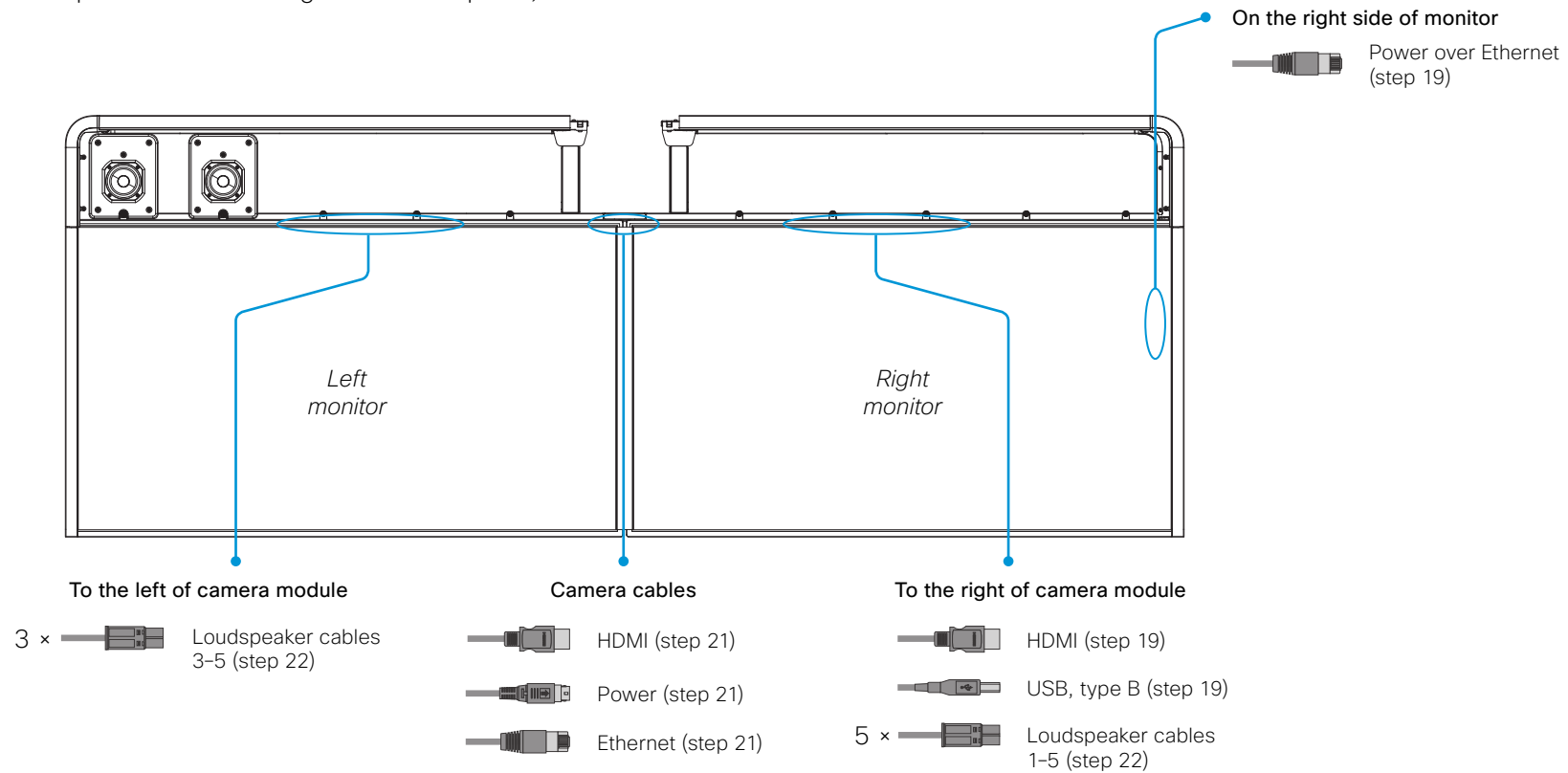## Organize pre-mounted cables

Stretch out the cables in the channel on top of the monitors, and place them as illustrated. Do not unplug any cables.

This arrangement makes the installation of the camera module in step 20 and connecting cables in steps 19, 21 and 22 easier.

On the right side of monitor

Power over Ethernet (step 19)

Left monitor

Right monitor

To the left of camera module

3 ×   Loudspeaker cables 3–5 (step 22)

Camera cables

HDMI (step 21)

Power (step 21)

Ethernet (step 21)

To the right of camera module

HDMI (step 19)

USB, type B (step 19)

5 ×   Loudspeaker cables 1–5 (step 22)

19

Connect cables to right monitor and PoE injector

SWITCH

Ethernet

Power over Ethernet injector

HDMI

HDMI   USB (type B)
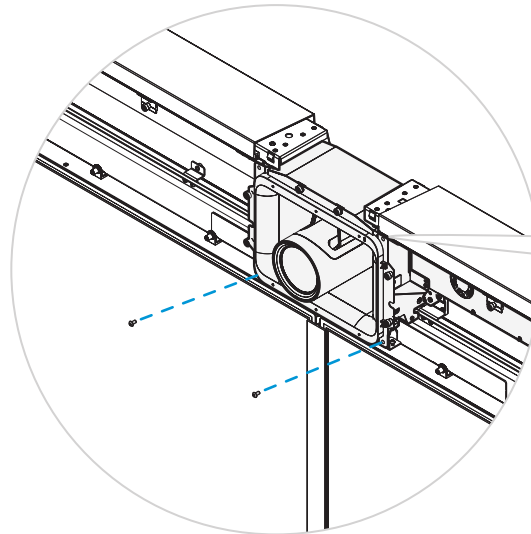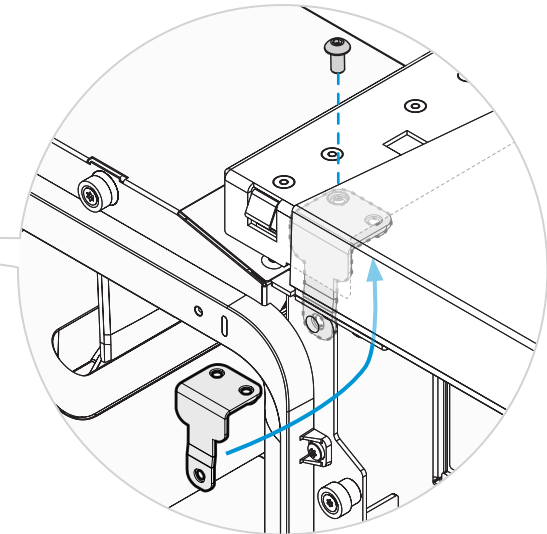
Right monitor connector panel
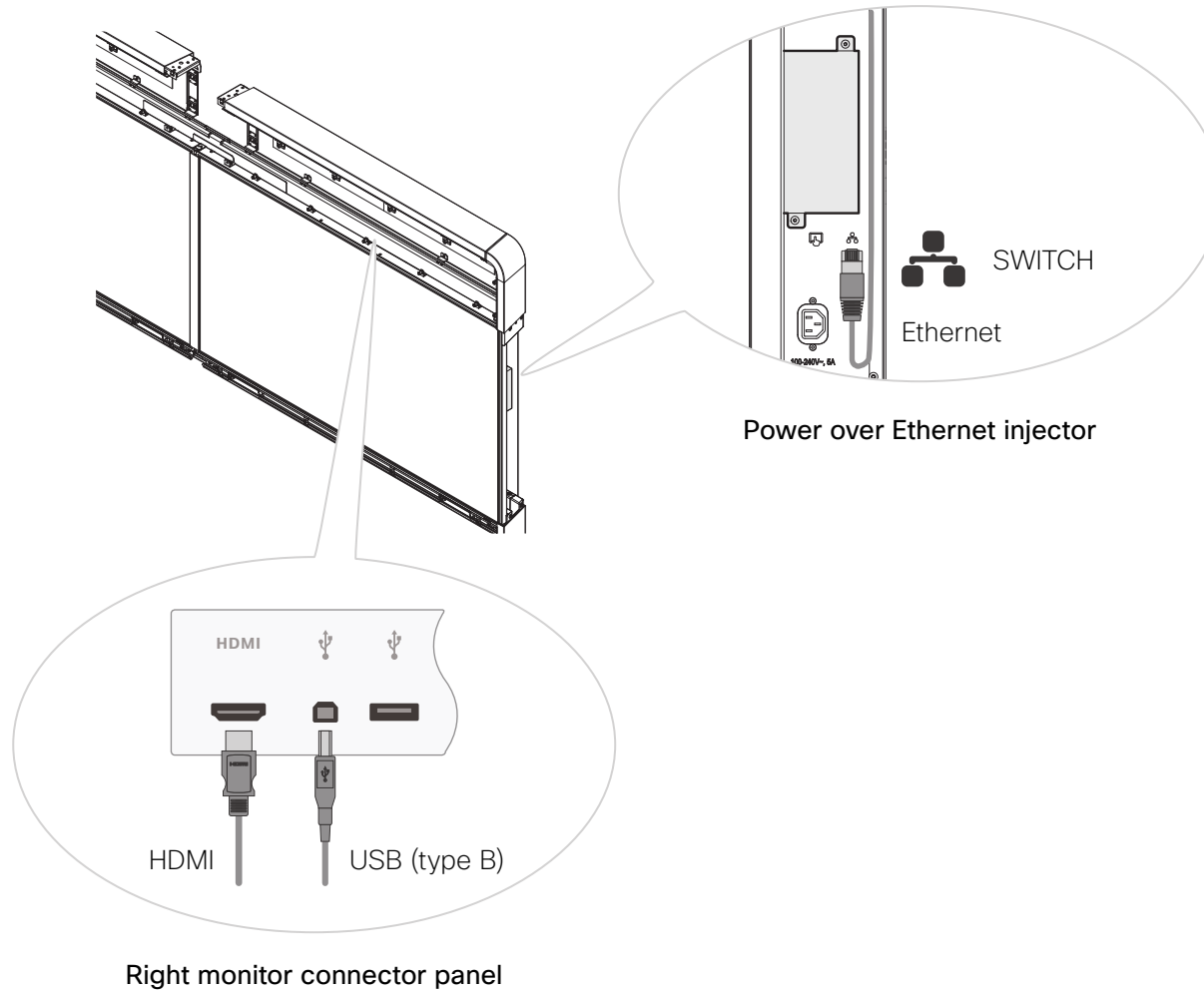
20 Mount camera (page 1 of 2)

📦 **F, G**
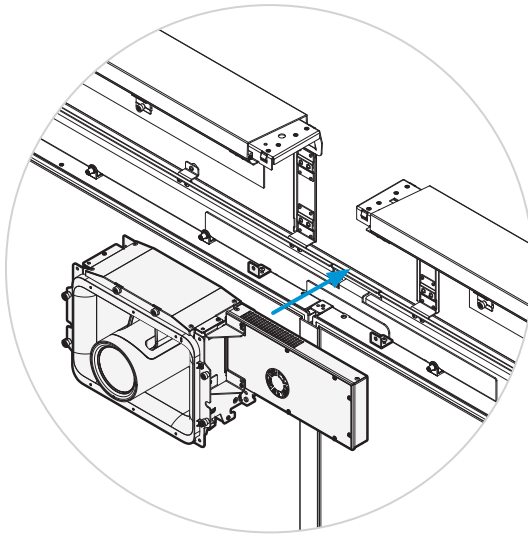
1 Insert the camera.

2 2 × 🔩 M4x8, pan

3 2 × 🔩 M4x8, pan (one for each stud)

2 × Studs for camera
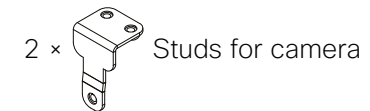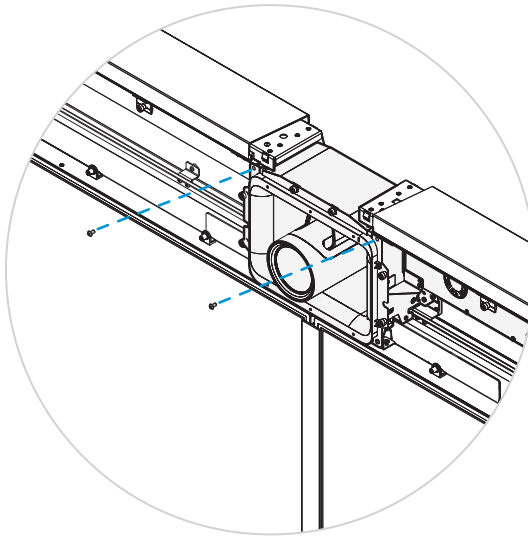
Insert the stud underneath the frame. Align its screw hole with the upper right screw hole of the camera.

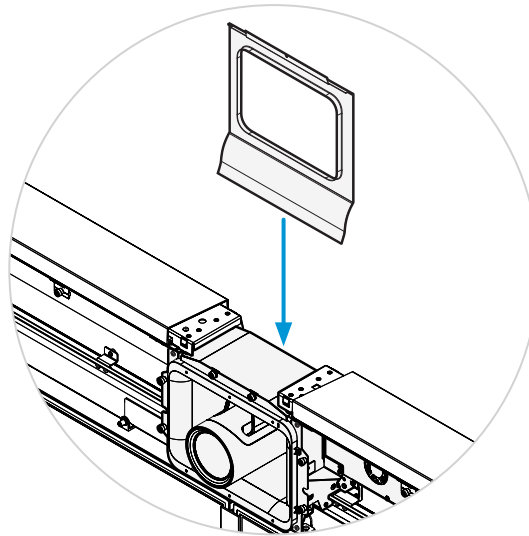Fasten the stud to the top profile with one screw from above.

Repeat this step for the left side.

20

Mount camera (page 2 of 2)
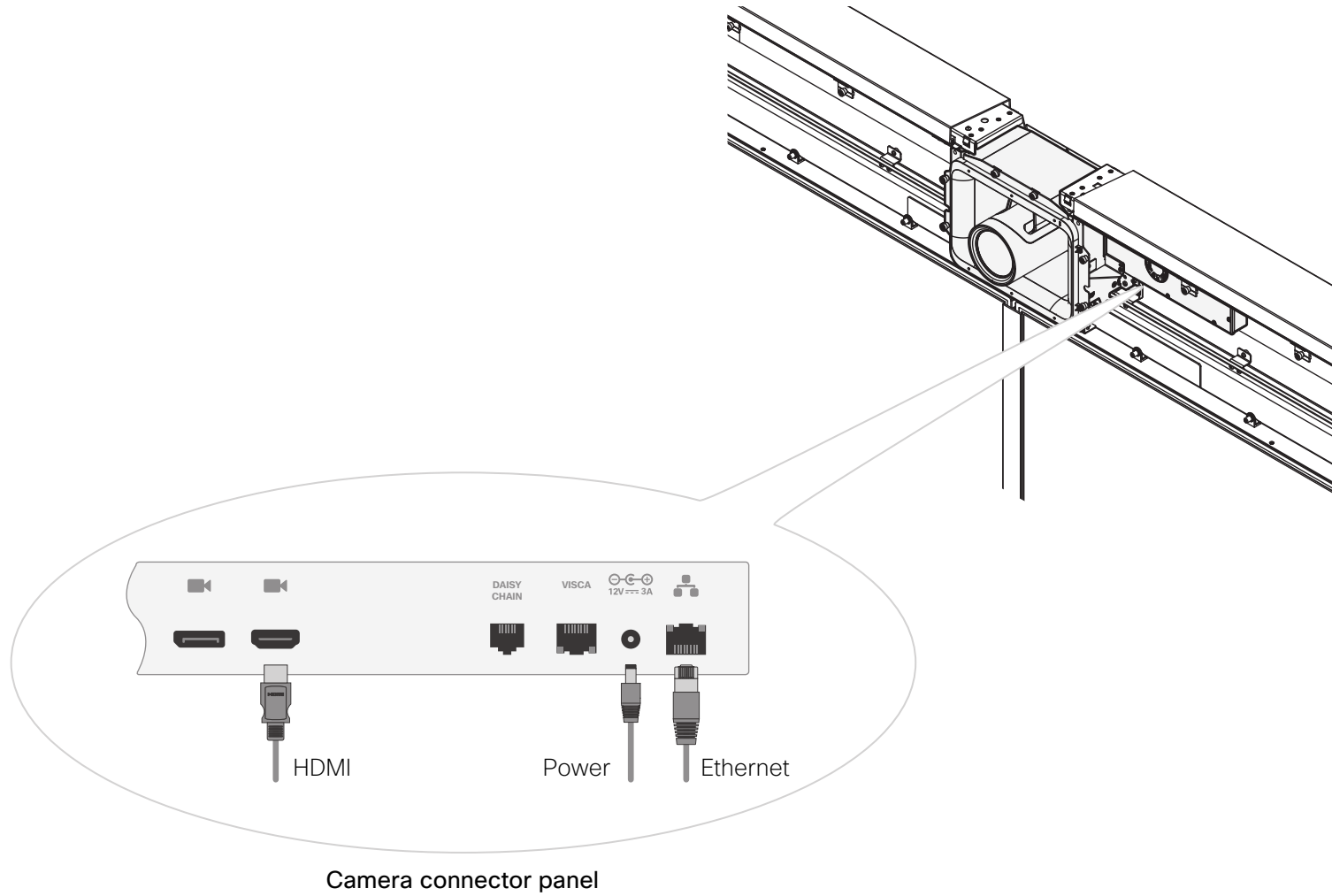
F, G

4   2 × M4x8, pan

5   Enter the camera cover in the clips at the bottom, and align it with the back panels. The cover snaps to magnets.
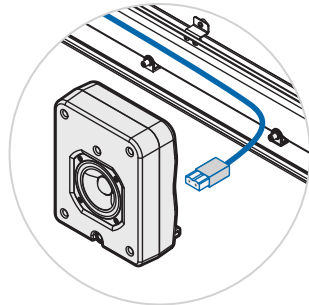
21 Connect camera cables

HDMI   Power   Ethernet

Camera connector panel

22 Mount loudspeakers

📦 **H**

Two loudspeakers are preinstalled. Follow steps 1-3 for the remaining eight loudspeakers.

The loudspeaker cables are marked with a number. These numbers must match the position of the loudspeakers, as shown here.
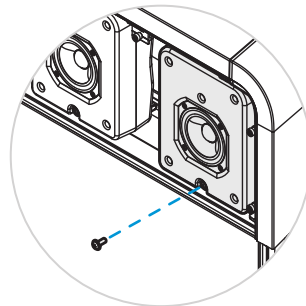
1 Connect the cable to the loudspeaker. Use the cable that is marked with the correct loudspeaker position.
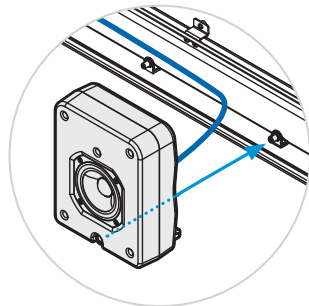
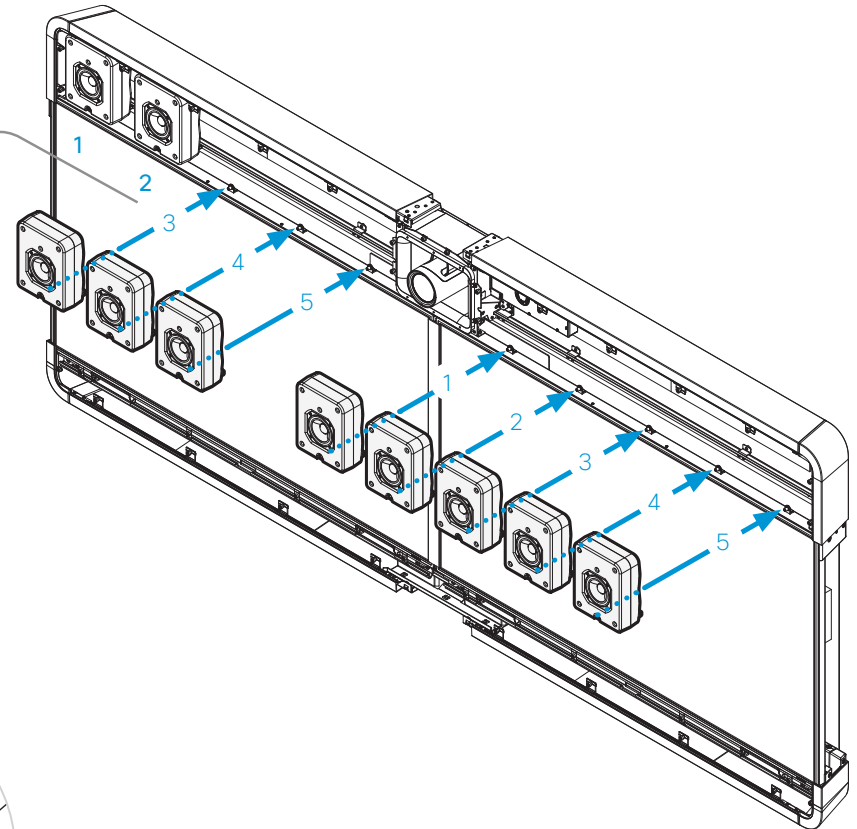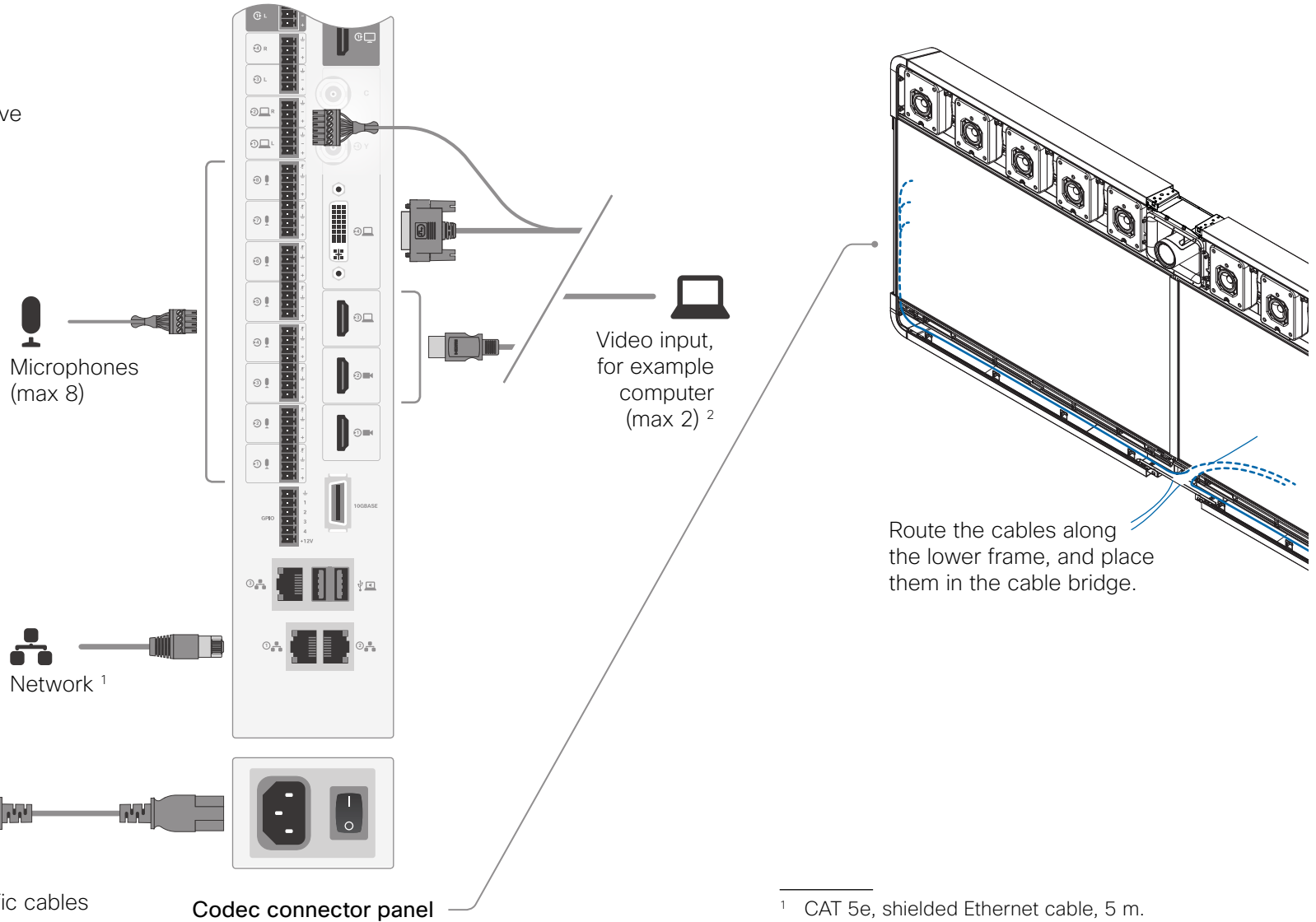**2** Enter the loudspeaker onto the speaker clip. Make sure that no cables are pinched.

3 Fasten with one screw.

8 × 🔩 PT4x10 (one for each loudspeaker)

23 Connect external cables (page 1 of 2)

I, J

⚠ Make sure that the camera can move freely before connecting power.

Microphones (max 8)

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

The plug–socket combination must always be accessible, because it serves as the main disconnecting device.

Network [1]

Power (100–240 VAC, 50/60 Hz), extension cord, and country-specific cables

Codec connector panel

Video input, for example computer (max 2) [2]

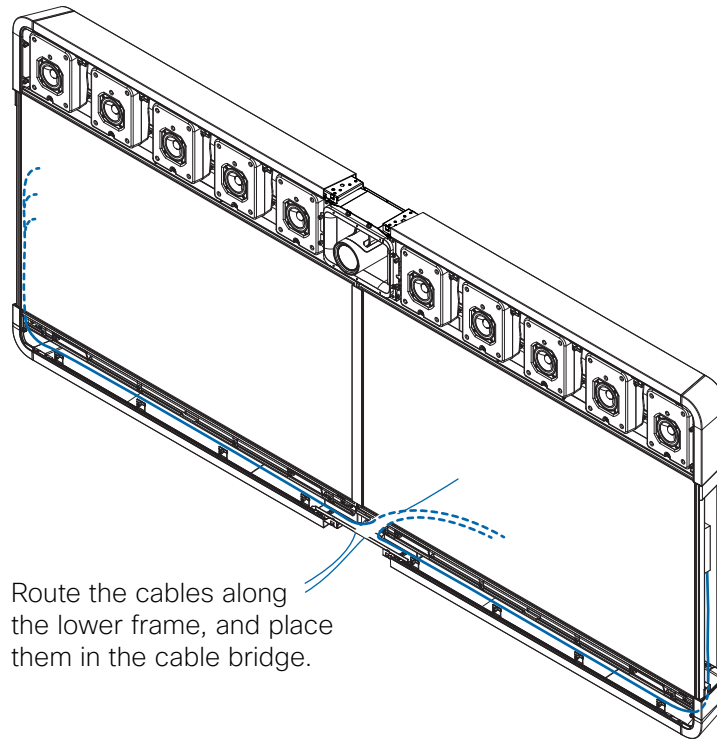Route the cables along the lower frame, and place them in the cable bridge.

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[1] CAT 5e, shielded Ethernet cable, 5 m.

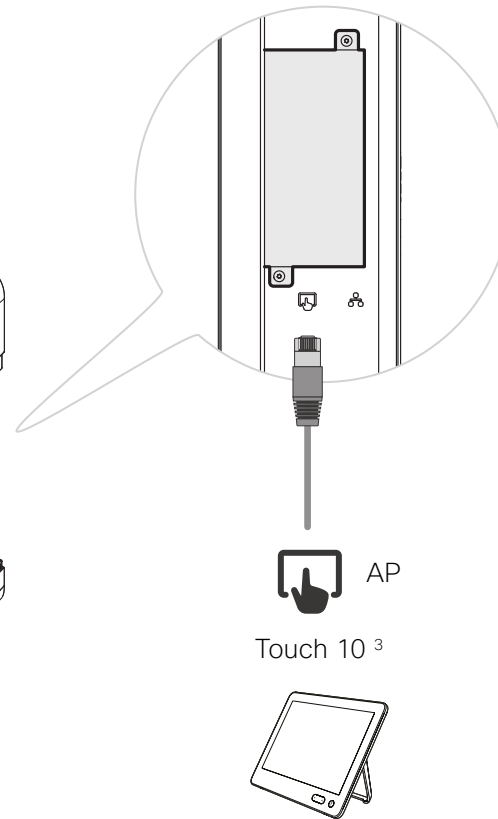[2] Two presentation cables are provided: HDMI ↔ HDMI; and DVI/Euroblock ↔ VGA/mini jack.

23 Connect external cables (page 2 of 2)

📦 **I, J**

Route the cables along the lower frame, and place them in the cable bridge.

AP

Touch 10 [3]

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[3]   The Ethernet socket is behind the lid at the rear of Touch 10. Use one of the provided PoE rated CAT 5e Ethernet cables, 12.5 or 4 m, flat.

24 Start up the system

- Remove the protection foil from the displays.

- Make sure that the camera can move freely.

- Insert the network and power cables into the wall outlets.

- Switch on the system.

  The power switch is located directly below the codec, next to the power connector.

  Wait a few minutes while the system starts up. The start-up may include automatic software upgrade and restart of Touch 10 and camera.

  If the right monitor does not turn on after the start-up sequence, check that the power cable between the monitors are properly connected (refer to step 10 and step 12).

- Follow the instructions on the Touch controller.

  Cisco Webex: To find more information on how to get started, visit https://collaborationhelp.cisco.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/mx-docs
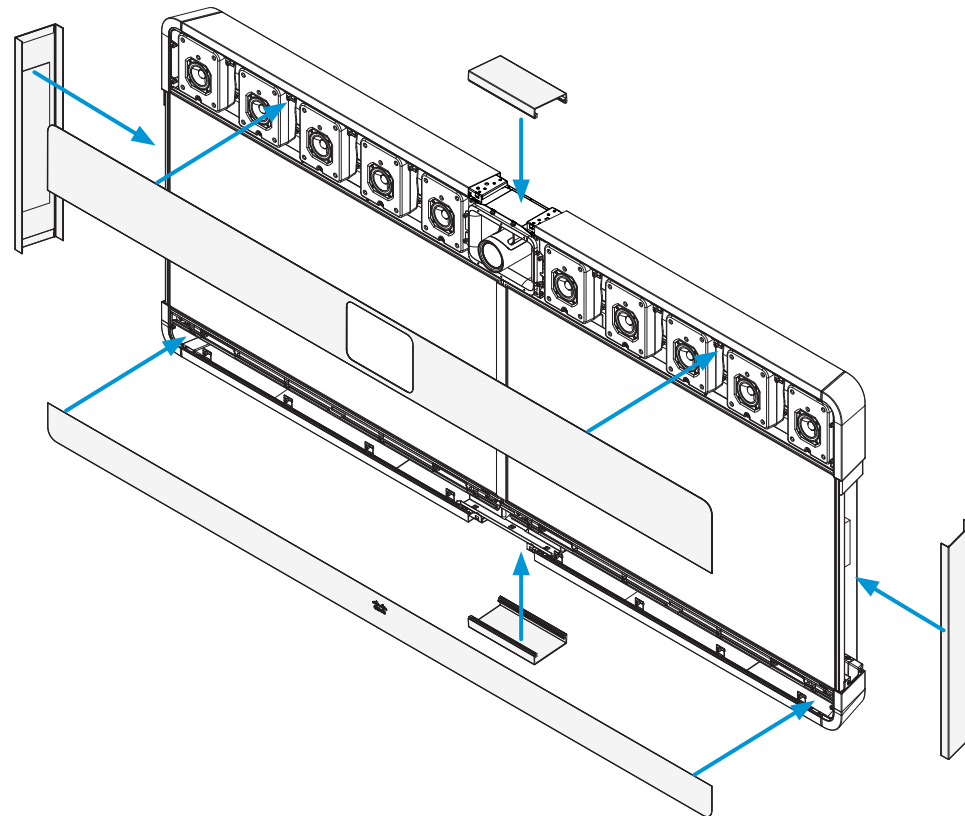
25

Mount covers and textile grilles

K, L, M

Use the provided gloves when handling the textile grilles.

The top and bottom covers are fastened by clips.

The side covers and grilles snap to magnets.

For a list of offices, visit the Cisco website at https://www.cisco.com/go/offices