

## Crestron Flex Medium Room Upgrade Solution with Microsoft Teams® Rooms

The UC-M50-T-UPGRD solution provides all of the necessary components to upgrade a deployed Crestron Flex tabletop conference device to a complete video conference system for use with Microsoft Teams® Rooms software. It supports single or dual video displays and features a collaboration camera, a UC bracket assembly, cables, and power supplies.

### Minimum Requirements:

- A Crestron Flex tabletop conference device ([CCS-UC-1 W/PS](#), [CCS-UC-1-AV W/PS](#), or [CCS-UC-1-AV-PLUS](#))
- A video display connected to the UC Engine. A second display is optional.
- A Microsoft Teams or Skype® for Business account
- An environment running Microsoft Exchange Server® software (2013 SP1 or later for on-premises installation or Microsoft 365® software for Cloud) for scheduling and/or Skype for Business 2015 (on-premises installation or Microsoft 365 software for Cloud)



### In the Box

#### UC Bracket Assembly

- 1 UC Bracket Assembly with UC Engine and HDMI® content ingest (6511478)
- 2 Anchor, Drywall, Plastic, 3/8 in. x 1/2 in. (2052565)
- 2 EDID passthrough (2055728)
- 1 Key, Anchor (4529654)
- 2 Screw, 8-AB x 1-1/2 in., Pan Head, Combo (2052567)
- 4 Tie Wrap (2047935)

#### Additional Items

- 1 Collaboration camera (6510482)

- 1 Camera wall mount kit (6510998)
- 1 Cable, CAT6a, RJ-45 - RJ-45, 20 ft (6.1 m) (6507640)
- 1 Cable, CAT5e, RJ-45 - RJ-45, 7 ft (2.1 m) (6509924)
- 1 Cable, DisplayPort™ to HDMI, 6 ft (1.8 m) (6508282)
- 1 Cable, HDMI, 20 ft (6.1 m) (6503567)
- 1 Cable, HDMI, 6 ft (1.8 m) (6503565)
- 1 Cable, USB 3.0, Right angle USB-C® to A, 6 ft (1.8 m) (6511591)
- 1 Cable, USB Extension, USB Type A Male-to-Female, 15 ft (4.6 m) (6508260)



## Configure the Conference Device

Prior to making system connections, deployed conference devices must be configured to operate as part of a complete Microsoft Teams system. Some deployed conference devices may be operating in Crestron Default mode. Ensure that the conference device operates in Microsoft Teams mode, and update device firmware as described below.

To configure the conference device:

1. On a computer, open a web browser to the IP address displayed on the conference device.

### NOTES:

- The device and computer must be on the same network switch and VLAN.
  - A login with administrative rights for the device is required.
2. Log in to the device and navigate to **DEVICE > Applications**.
  3. From the **Application Mode** drop down menu, select **Teams Video**.
  4. Click **Save Changes**. The conference device will reboot in Microsoft Teams mode and log out all users.

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5. Download the latest CCS-UC-1-T-V firmware from [www.crestron.com/firmware](http://www.crestron.com/firmware).
6. Log in to the device and navigate to **DEVICE > Device Management**.
7. In the **Firmware** section, select **Firmware Upgrade**. Upload the firmware downloaded in step 5. When the firmware upload is complete, the device will reboot and log out all users.
8. Log in to the device and navigate to **DEVICE > Device Management**.
9. In the **Maintenance** section, select **Restore** to reset the device to the factory default settings.

For system configuration, refer to [Configure](#).



## Mount Devices

### Mount the UC Bracket Assembly

Mount the UC Bracket Assembly to VESA® compliant display devices, a wall, or other building structure. Anchors and screws are supplied for installation on walls 3/8 in. to 3/4 in. thickness.

**CAUTION:** The bracket assembly has preconnected cables and devices. Only the direct connect adapter may be disconnected as noted in [Make Connections](#). **DO NOT DISCONNECT ANY OTHER DEVICES OR CABLES THAT ARE ALREADY CONNECTED.**

**NOTE:** The integrated cable tie wraps are reusable. Avoid damaging the cable tie wraps.

### Mount the Camera

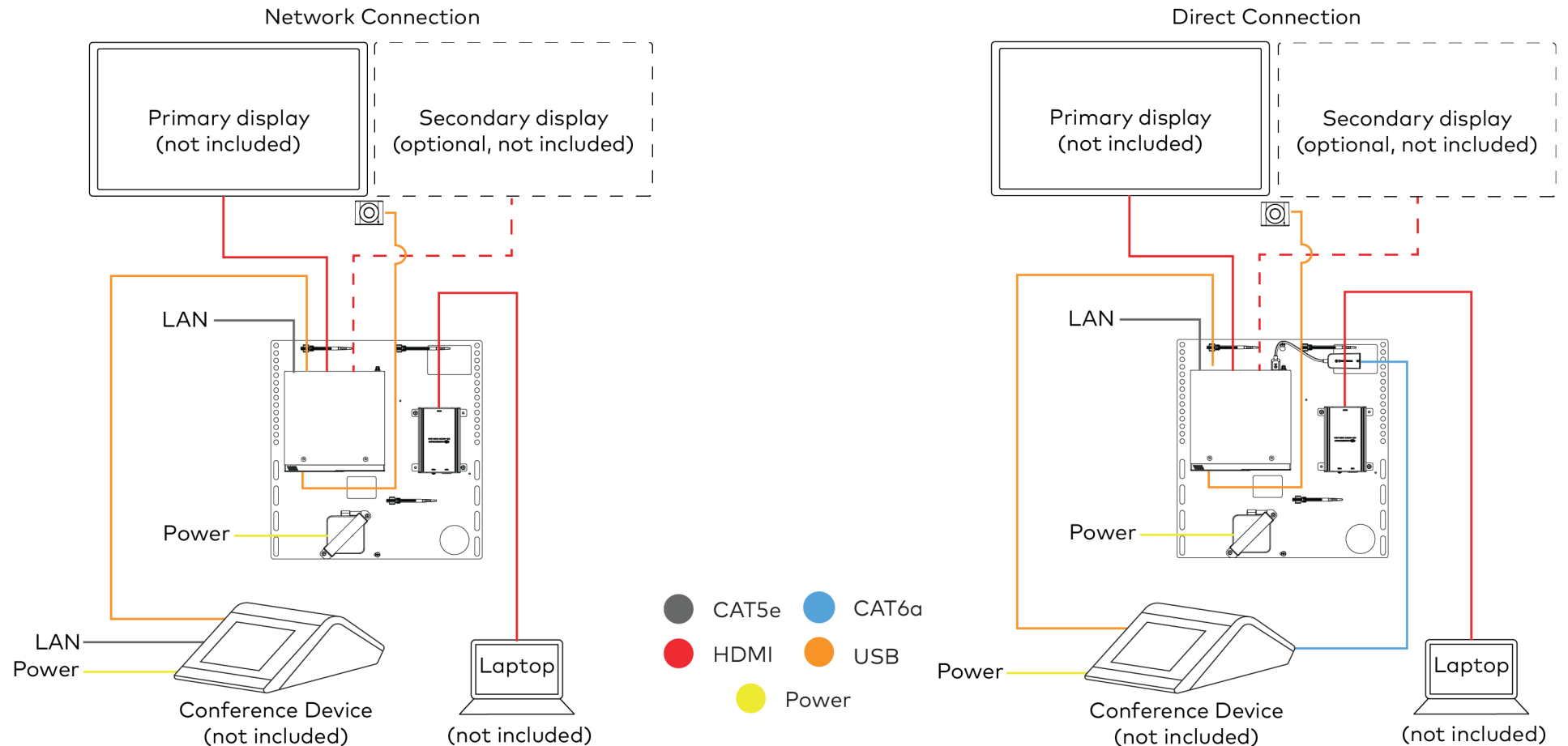
Mount the included camera according to the [UC-CAM-WMK Quick Start](#) (Doc. 8257).

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### Connect

### System Overview

When connections are complete, the system appears as shown below. Refer to [Make Connections](#) for detailed connection instructions.

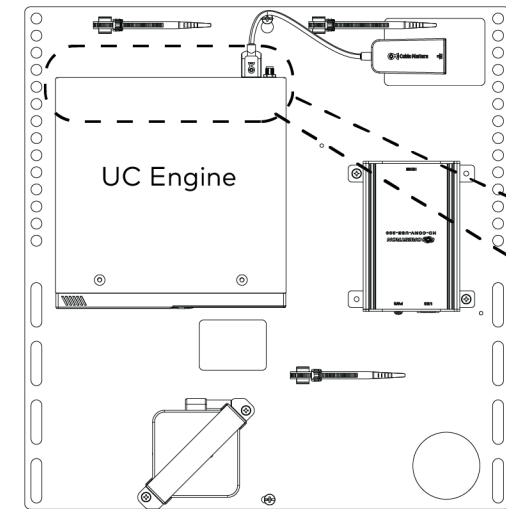


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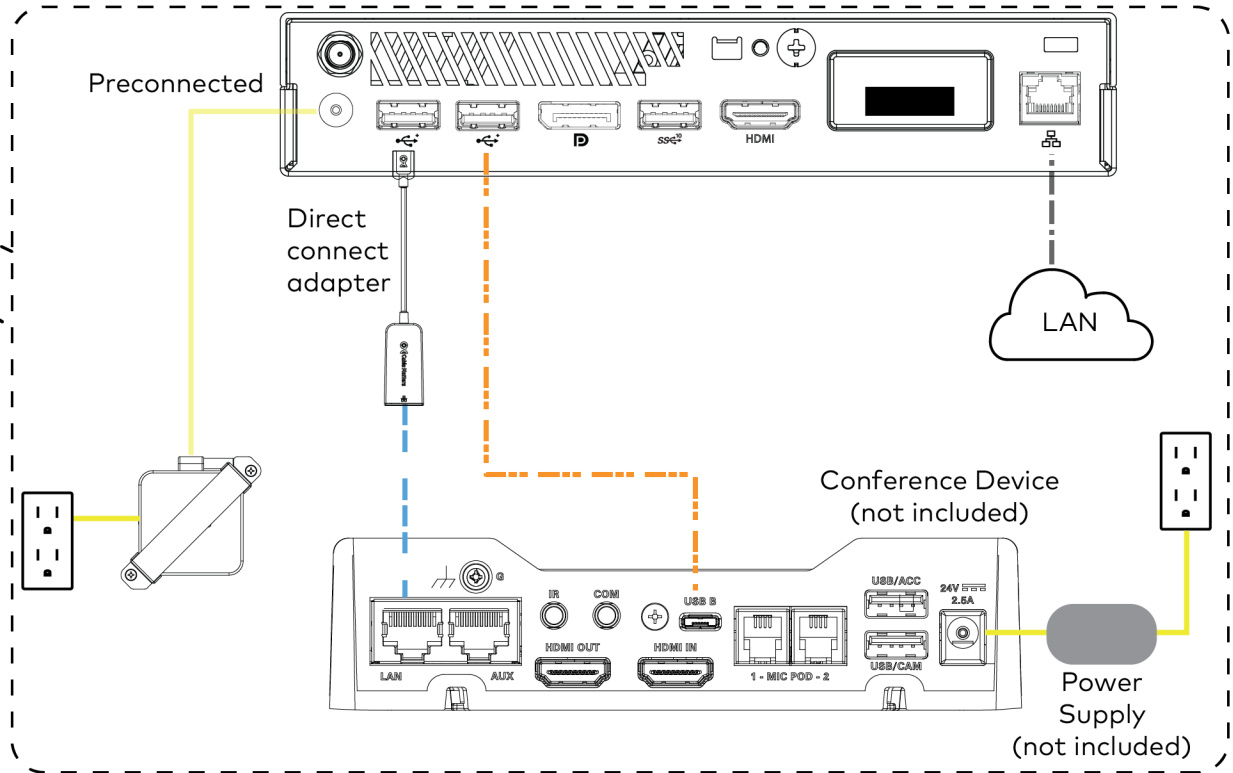
### Make Connections

1. Make UC Engine connections as shown in the following illustrations. The conference device can communicate with the UC Engine over a direct connection or a network connection. Select one of the connection types as described below.
  - a. Make a direct connection for simple installation and setup. Only use the direct connect adapter to connect the conference device to the UC Engine. Do not use the direct connect adapter to connect the UC Engine to the network.

#### Direct Connection



- CAT5e**  
7 ft (2.1 m) CAT5e cable
- CAT6a**  
20 ft (6.1 m) CAT6a patch cable
- USB**  
15 ft (4.6 m) USB 2.0 extension cable (optional)  
6 ft (1.8 m) USB 2.0 A - Micro B cable (included with conference device)
- Power**  
UC Bracket Assembly  
Power Supply (included with conference device)

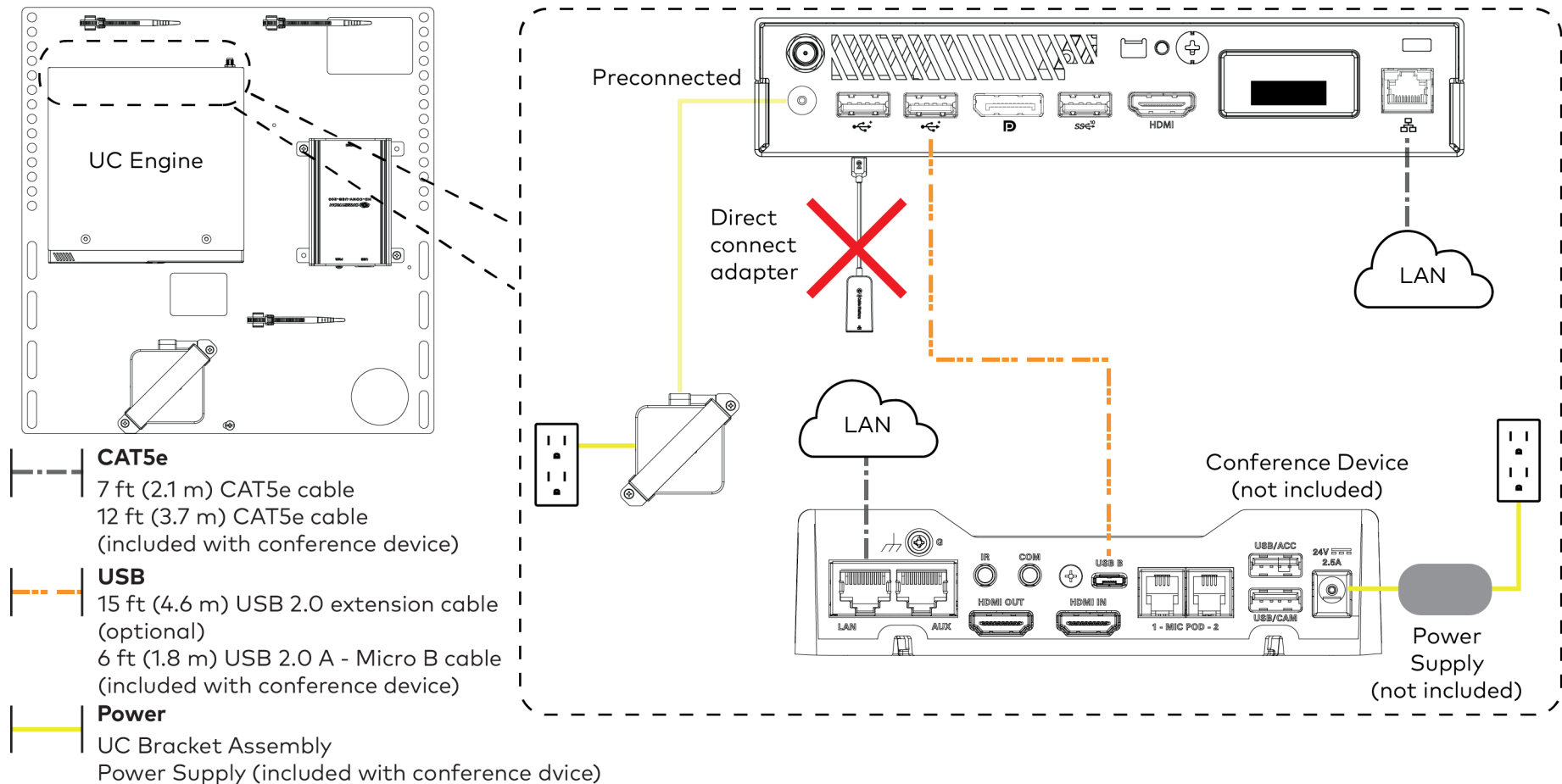


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- b. Make a network connection if the system is to be managed by the XiO Cloud® service.

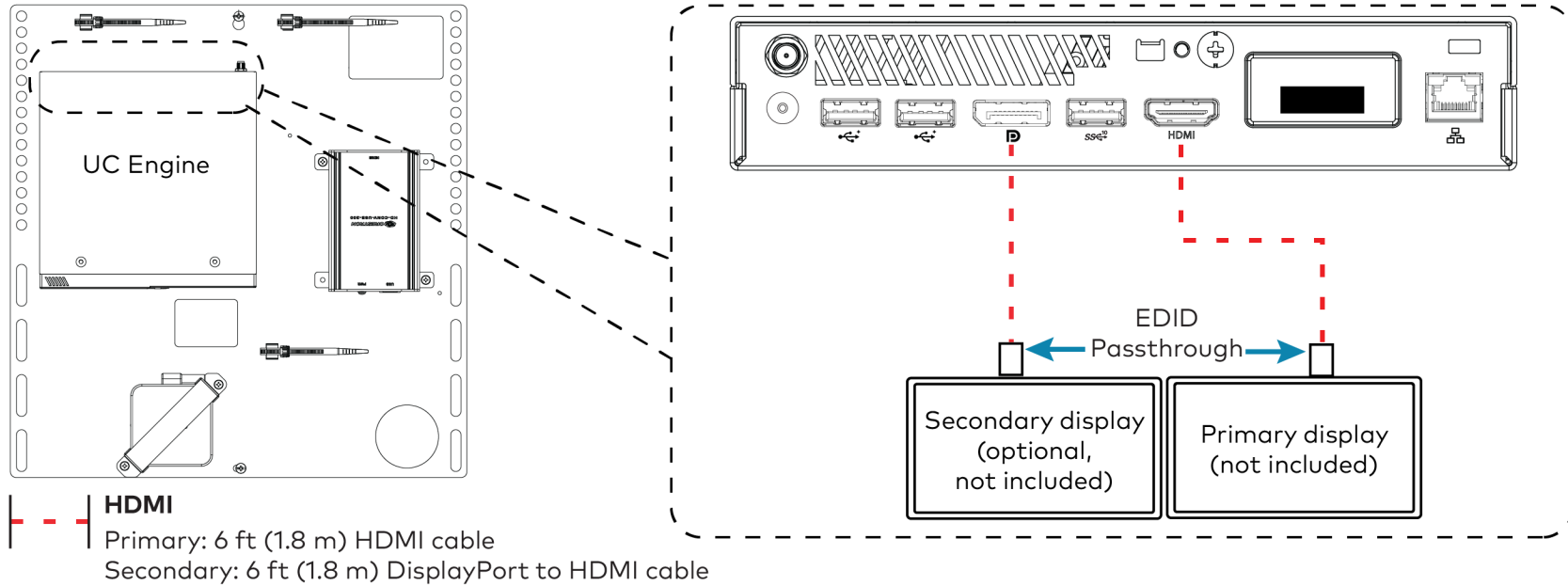
**NOTE:** When a network connection is used, disconnect the direct connect adapter from the UC Engine.

### Network Connection



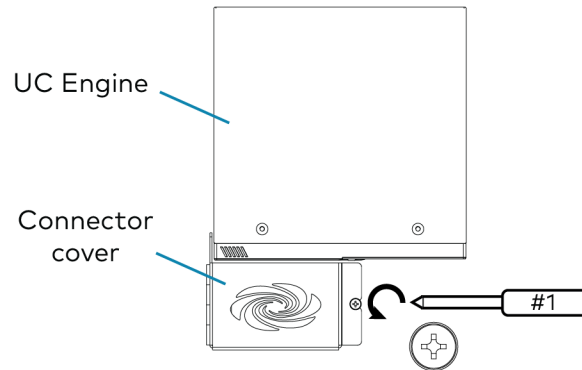
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2. Connect displays to the UC Engine. Connect the EDID passthroughs to the displays.

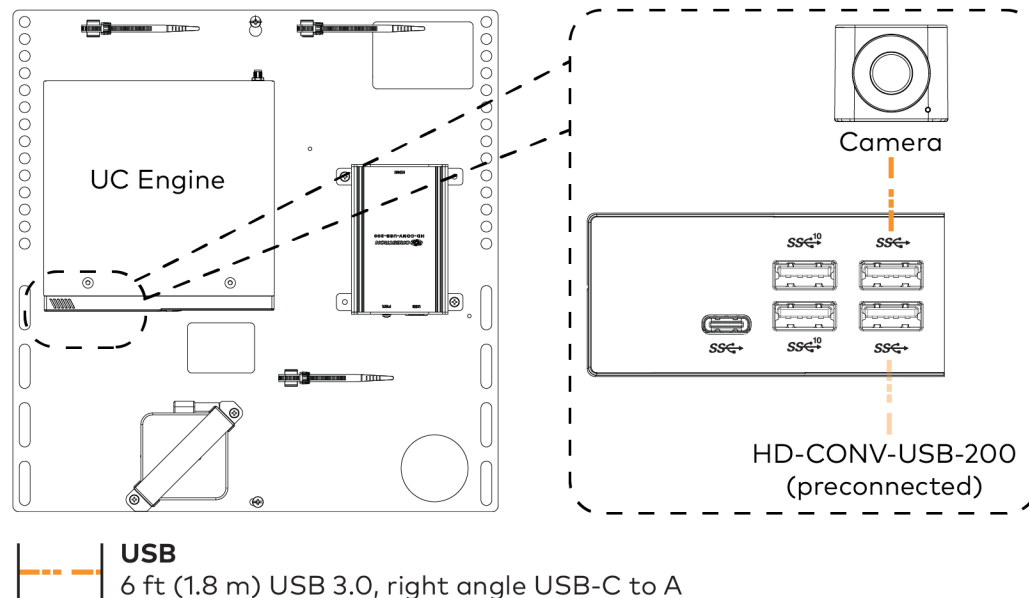


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- Remove the screw from the connector cover (located below the UC Engine) using a Philips #1 screwdriver (not included). Open the connector cover and retain the screw.

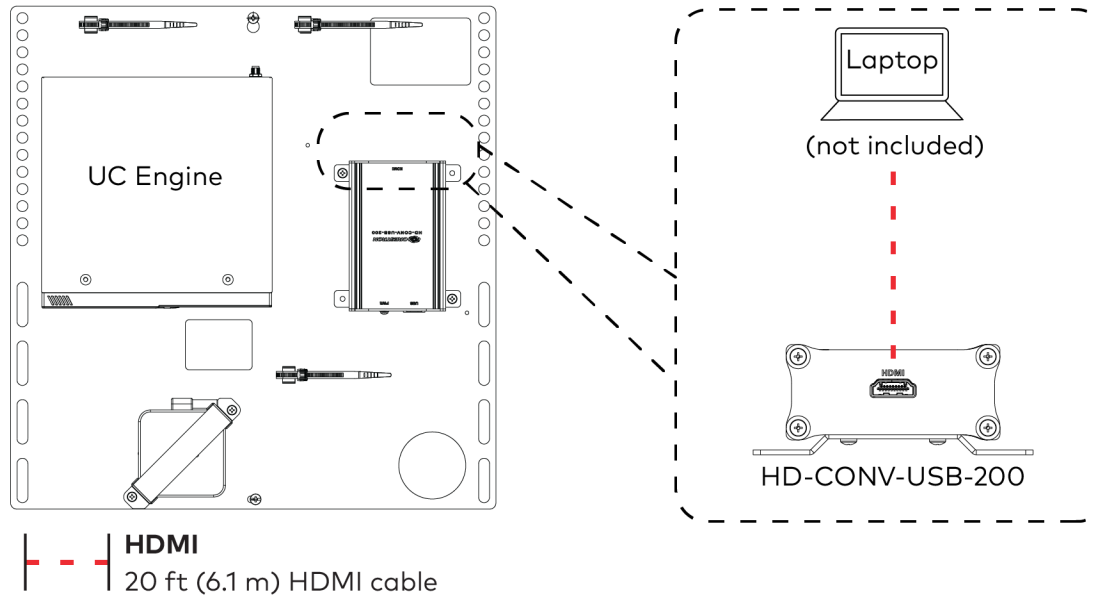


- Connect the camera to the UC Engine as shown in the image below. Do not connect the camera to any of the other USB ports.



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5. Reattach the connector cover using the screw removed in step 3.
6. Connect a laptop to the content ingest device (HD-CONV-USB-200).



7. Bundle the cables to the bracket assembly with the integrated cable tie wraps. The cable tie wraps are reusable.

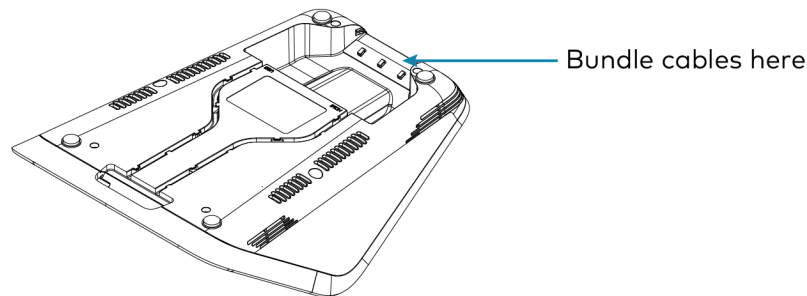


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## Bundle Cables

Bundle the cables together and use a provided tie wrap to secure the bundle to one of the positions on the cable retention plate at the rear of the device. Avoid bundling power and data cables together.



## Configure

### Apply Power

Press the power button on the bottom of the UC Engine and apply power to all of the other devices in the system. The conference device will display its IP address.

### Complete the Conference Device Configuration

**NOTE:** If a Direct Connection was made between the conference device and the UC Engine, skip to [Configure the System](#).

1. On a computer, open a web browser to the IP address displayed on the conference device.

#### NOTES:

- The device and computer must be on the same network switch and VLAN.
- A login with administrative rights for the device is required.

2. Log in to the device and navigate to **DEVICE > Applications**.

3. Enter the following information in the appropriate fields:

- **Teams Video PC Address:** Enter the IP address or hostname of the UC Engine.

**NOTE:** The hostname is printed on a label affixed to the UC Engine.

- **Teams Video PC Port:** By default, port number 49500 is used. If a different port number has been configured on the UC Engine, enter that port number instead.
- **Teams Video Username:** Enter the login username for the UC Engine. (The default username is "admin".)
- **Teams Video Password:** Enter the login password for the UC Engine. (The default password is "sfb".)

4. Click **Save Changes**.

For more information, refer to the [CCS-UC-1 Product Manual](#) (Doc. 7844).

### Configure the System

Use the conference device and your Microsoft Teams or Skype account credentials to configure the UC Engine. For detailed information on deploying Microsoft Teams Rooms, refer to the [Microsoft Teams Rooms](#) documentation.

## Crestron Flex Medium Room Upgrade Solution with Microsoft Teams® Rooms



## Visit the Product Page

Scan the QR code to visit the product page.

UC-M50-T-UPGRD



[www.crestron.com/model/6511956](http://www.crestron.com/model/6511956)

## Additional Information

**Original Instructions**

The U.S. English version of this document is the original instructions. All other languages are a translation of the original instructions.

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