
Commercial Stream Video Recorder (ADC-CSVR2000P/2008P/2016P) - Installation Guide

Pre-installation checklist

- Pro Series CSVr (included)
- A display with an HDMI input (optional)
- An HDMI cable (optional)
- AC power adapter (ADC-CSVR2000P)
- Power cord (ADC-CSVR2008P/ADC-CSVR2016P)
- An Ethernet Cat5e cable (included)
- USB Keyboard and Mouse (optional)
- Rack mount ears and screws (included, for rack installations)
- Dedicated network switch (recommended for ADC-CSVR2000P)
- Ethernet connection to broadband internet (Cable, DSL or Fiber Optic)
- Alarm.com customer account with a service package that supports the CSVr
- Login and password for the Alarm.com account to which you will add the CSVr

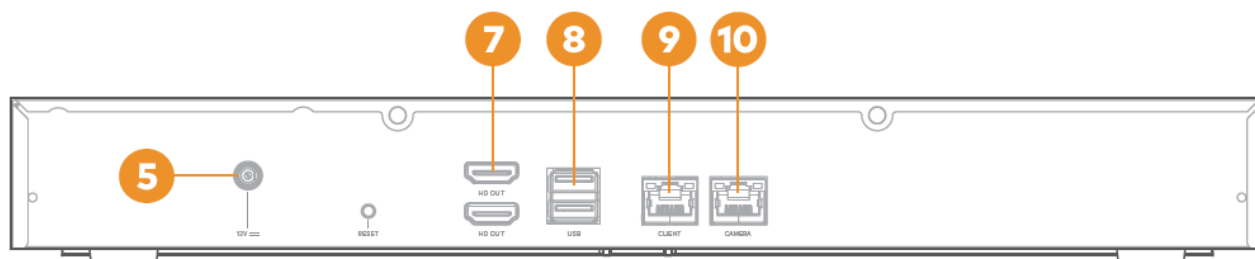
Note: The Alarm.com Pro Series CSVr is compliant with Section 889 of the NDAA and is not produced by any entity identified on the FCC's Covered List.

Overview

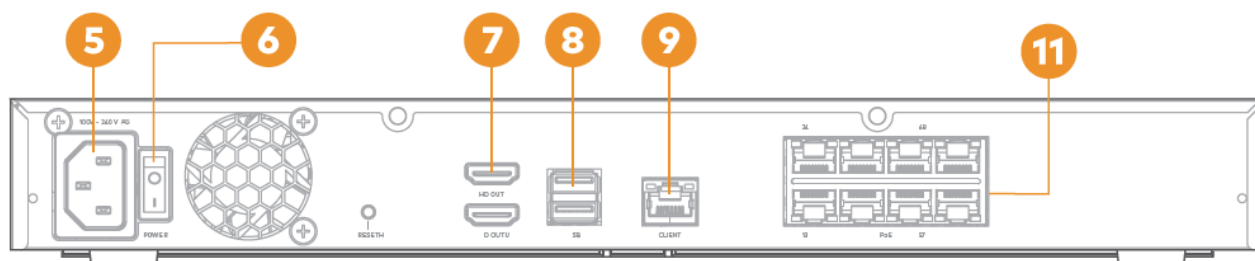
1. Network LED
2. Status LED
3. Power LED
4. USB port
5. Power input
6. Power switch
7. HD Out ports
8. USB ports
9. Client RJ45 port
10. Camera RJ45 port
11. RJ45 PoE Ports



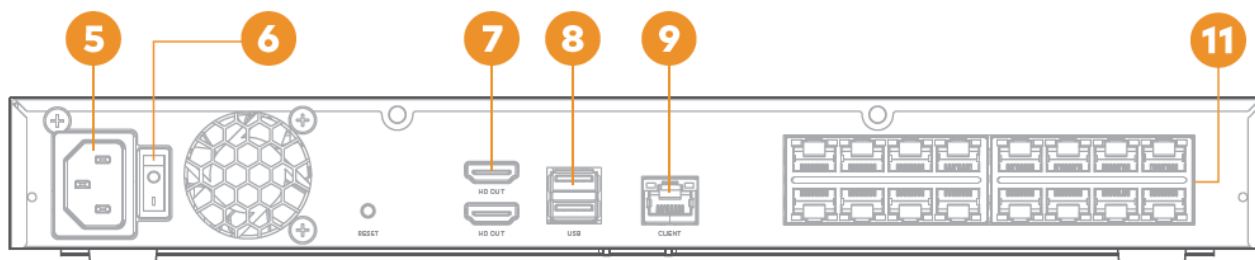
front (same on all devices)



back (ADC-CSVR2000P)



back (ADC-CSVR2008P)



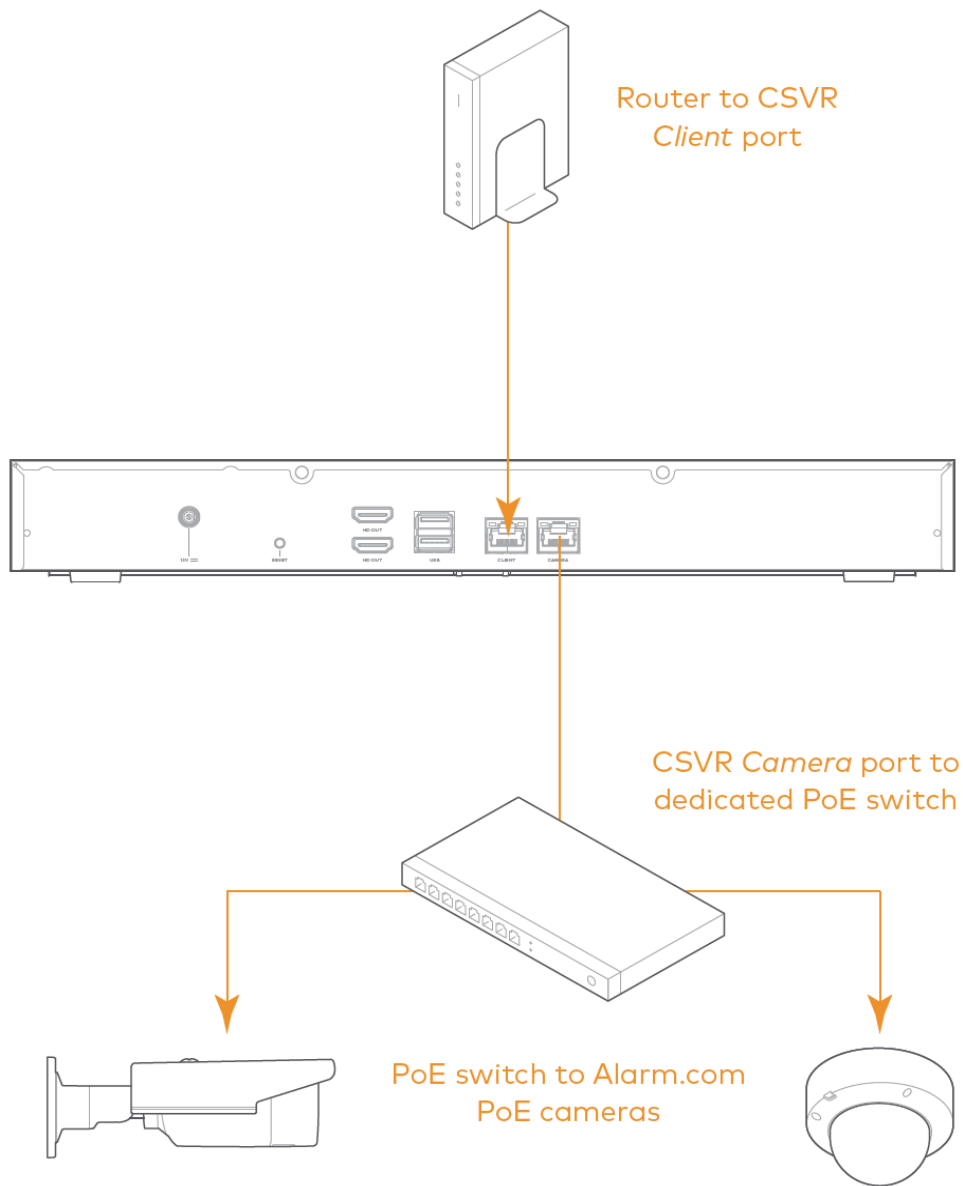
back (ADC-CSVR2016P)

Recommended networking diagram for CSV2000P

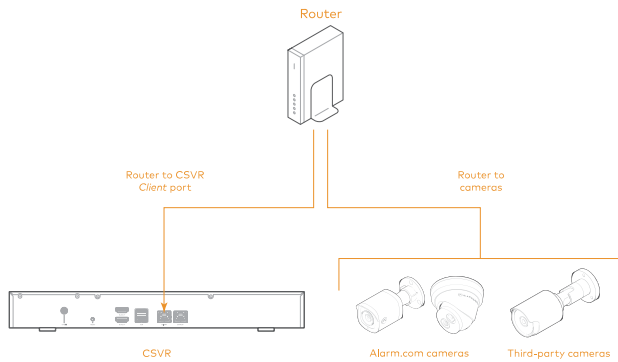
View example networking diagrams for installations with cameras installed downstream or upstream of the CSV.

[Cameras Downstream](#) [Cameras Upstream](#)

Cameras installed downstream from CSV2000P



Cameras installed upstream from CSV2000P



Note: It is not necessary to assign static IP addresses for the cameras using the PoE switch's settings because the CSV2000P automatically uses DHCP to manage camera IP address assignment and isolates itself from the rest of the network with a firewall.

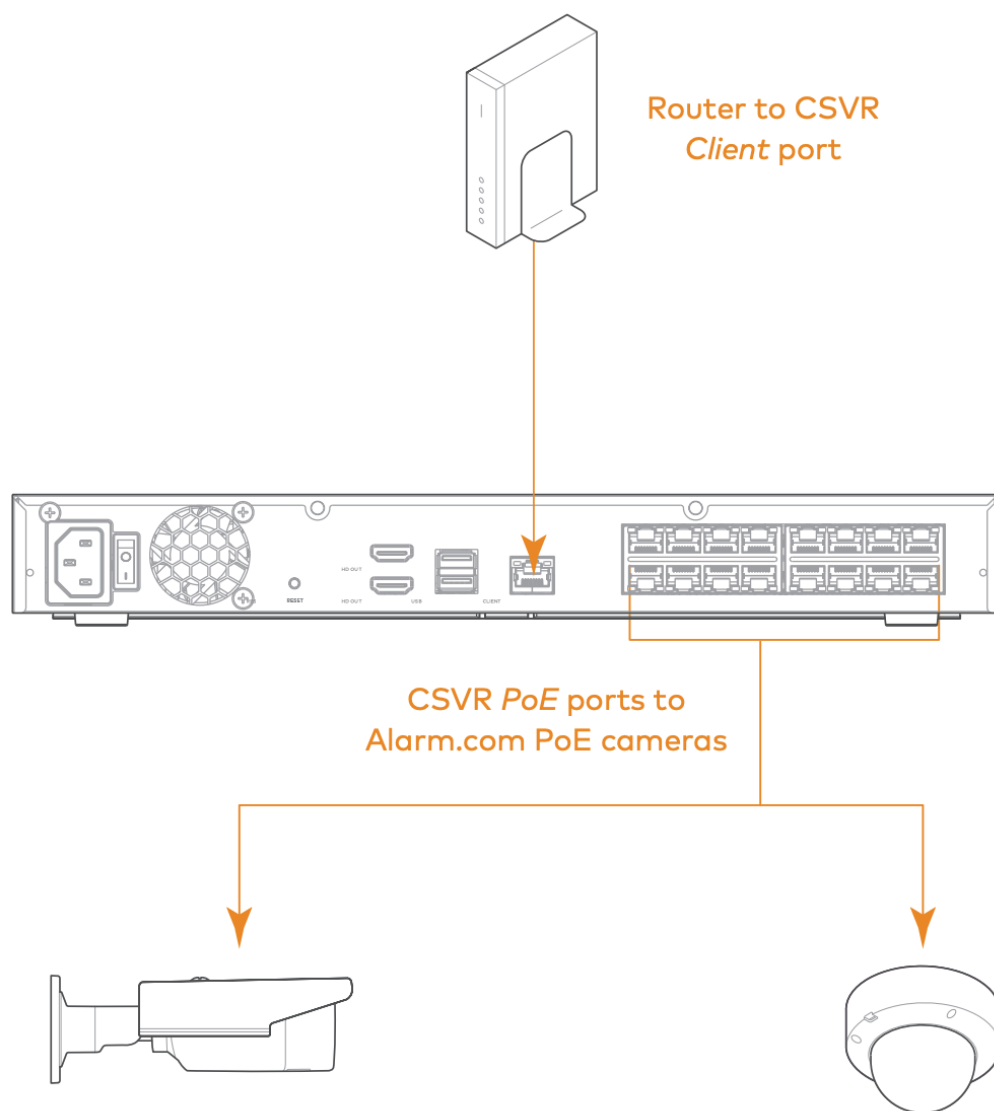
Recommended networking diagram for CSV2008P/CSV2016P

View example networking diagrams for installations with cameras installed downstream or upstream of the CSV.

[Cameras Downstream](#) [Cameras Upstream](#)

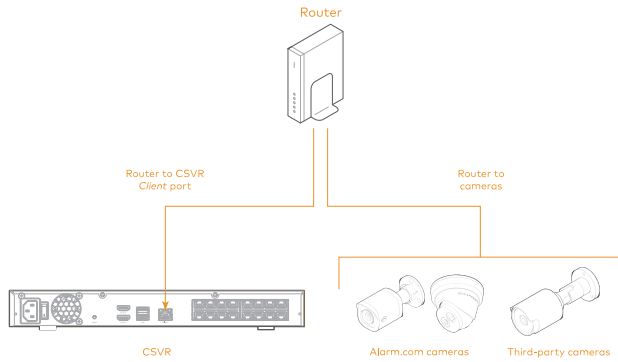
Cameras installed downstream from CSV2008P/CSV2016P

Note: The ADC-CSV2008P can support up to 16 cameras even though there are only 8 PoE ports. For downstream installations, connect an unmanaged network switch to one of the PoE ports, and connect the additional cameras to the switch.



Cameras installed upstream from CSVR2008P/CSVr2016P

Note: The ADC-CSVr2008P can support up to 16 cameras even though there are only 8 PoE ports. For upstream installations, connect an unmanaged network switch to the router, and connect the cameras to the switch.



Connect the CSV to the local network

1. Using an Ethernet cable, connect the device to the network.
2. If using a display with the CSV, connect the display to one of the *HD Out* ports using an HDMI cable.
3. Connect the device to a non-switched, grounded power outlet.
4. For the CSV2008P/CSV2016P: Use the switch on the back of the device to turn on your CSV.
5. Wait for the device to boot up. A solid green status LED indicates that the device is ready to be added to the account.

Add the CSV to the customer account

Expand all

To add the CSV using the Alarm.com customer website:

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1. Using a web browser, enter the following URL: **www.alarm.com/addcamera**. You will need the customer's username and password to log in to the Alarm.com customer website.
2. Select the CSV from the video device list or enter its MAC address to begin adding the device. The device's MAC address is located on the bottom of the device or on the packaging.
3. Follow the on-screen instructions to finish adding the CSV.

You may associate cameras to the device and configure drives and display settings on the Alarm.com customer website.

Associate a video device to the CSV

To associate a video device to a CSVr using the Alarm.com customer website: ^

1. Verify that all of the video devices for the CSVr to record from are enrolled on your account.
2. Log in to the Alarm.com customer website.
3. Click **Video**.
4. Click **Recording Rules**.
5. Click **Local**.
6. Click **Add New Schedule**.
7. Click **SVR** if there are multiple options to choose from.
8. Click the desired CSVr if there are multiple enrolled on the account.
9. Configure the schedule:
 - a. In *Record from this camera*, click to select the camera to record to the Streaming Video Recorder.
 - b. Using the *Resolution* dropdown menu, select the resolution if the camera supports it.
 - c. Using the *Frame Rate* dropdown menu, select the frame rate.
 - d. Using the *Quality* dropdown menu, select the quality.
 - e. On compatible cameras, *High-Efficiency Recording* can be toggled on or off.
 - When High-Efficiency Recording is enabled, recordings will be recorded at a higher resolution during periods of activity and recorded at standard resolutions continuously.
 - f. On compatible cameras, *Audio* can be selected to **Record to SVR** or **Don't record to SVR**.
 - The recording of audio and video is subject to applicable federal, state, and local laws, which may require, for example, you to provide notice to others that audio and video recording is occurring. It is your responsibility to ensure your use of these devices complies with applicable law.
10. Click **Save**.

Important: On compatible devices, People & Vehicle Motion detection mode is enabled by default. This mode disables local display options in order to conserve device resources. Motion detection modes can be configured after the schedule is created. For more information about configuring motion, see [Configure motion detection modes on a CSVr](#).

To associate a video device to a CSVr using the Alarm.com app: ^

1. Verify that all of the video devices for the CSVr to record from are enrolled on your account.
2. Log in to the Alarm.com app.
3. Tap **Video**.
4. Tap .
5. Tap **Recording Rules**.
6. Tap **Local**.
7. Tap **Add**.
8. Tap **SVR** if there are multiple options to choose from.
9. Tap the desired CSVr if there are multiple enrolled on the account.

10. Configure the schedule:

- a. In *Record from this camera*, click to select the camera to record to the Streaming Video Recorder.
- b. Using the *Resolution* dropdown menu, select the resolution if the camera supports it.
- c. Using the *Frame Rate* dropdown menu, select the frame rate.
- d. Using the *Quality* dropdown menu, select the quality.
- e. On compatible cameras, *High-Efficiency Recording* can be toggled on or off.
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11. Tap **Save**.

Important: On compatible devices, People & Vehicle Motion detection mode is enabled by default. This mode disables local display options in order to conserve device resources. Motion detection modes can be configured after the schedule is created. For more information about configuring motion, see [Configure motion detection modes on a CSV](#).

Recommendations for associating Wi-Fi devices to a 20XXP series CSV

Use an SG130 in the wireless connection configuration to significantly improve the experience when using wireless devices in conjunction with the Stream Video Recorder.

When connecting a wireless device (i.e., Alarm.com wireless cameras and/or POE to Wi-Fi bridges) to a compatible SVR, it is recommended to enroll these devices to an SG130 for their network connection. The SG130 is designed to internally handle DHCP leases for its attached devices as well as the routing required to allow them to successfully stream to the SVR.

For more information about the SG130, see [Smart Gateway \(ADC-SG130\)](#).

Configure the local display

For steps and information regarding configuring the local display for a 20XXP Pro Series CSV, see:

- [Play back video locally to a TV using 20XXP and 21XXP series CSVs](#)
- [Configure the local display password for the 20XXP and 21XXP series CSVs](#)

LED Guide

Network LED

LED pattern	Description
Blinking green 	Client uplink active
Not illuminated 	Client uplink inactive

Power LED

LED pattern	Description
Solid green 	Powered on
Not illuminated 	Booting or powered off

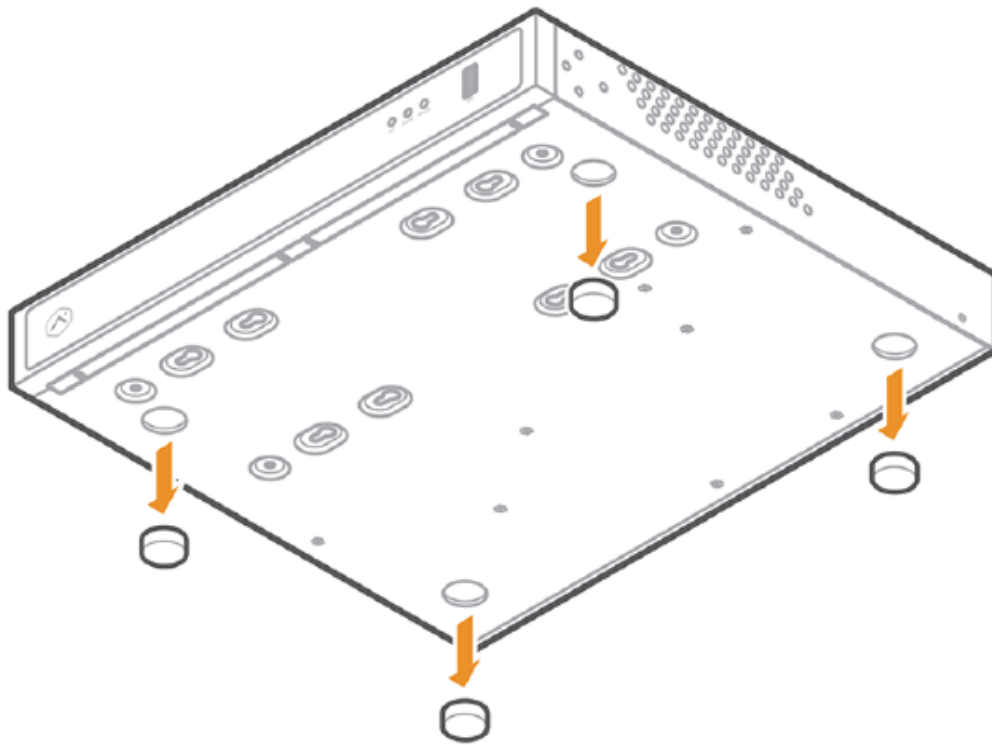
Status LED

LED pattern	Description
Solid green 	Connected to Alarm.com
Blinking green 	Local network connection
Solid red 	No connection
Not illuminated 	Booting or powered off

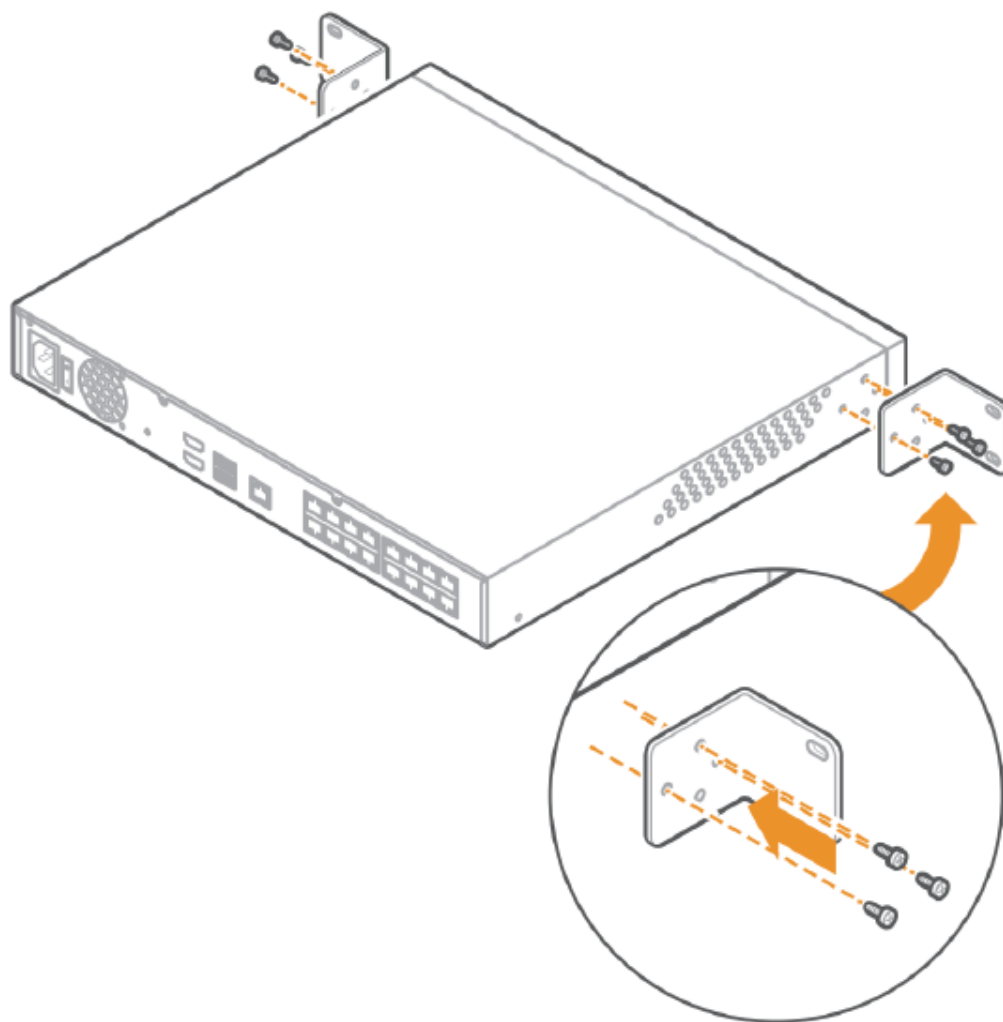
Mounting the device to a rack

The C5VR20xxP can be mounted to a standard server rack using the included rack mount kit. The rack mounts are designed to fit into a 1U (rack unit) area. The kit includes the screws needed to attach the rack mount ears to the device, but does not include the screws needed to mount the device into a rack.

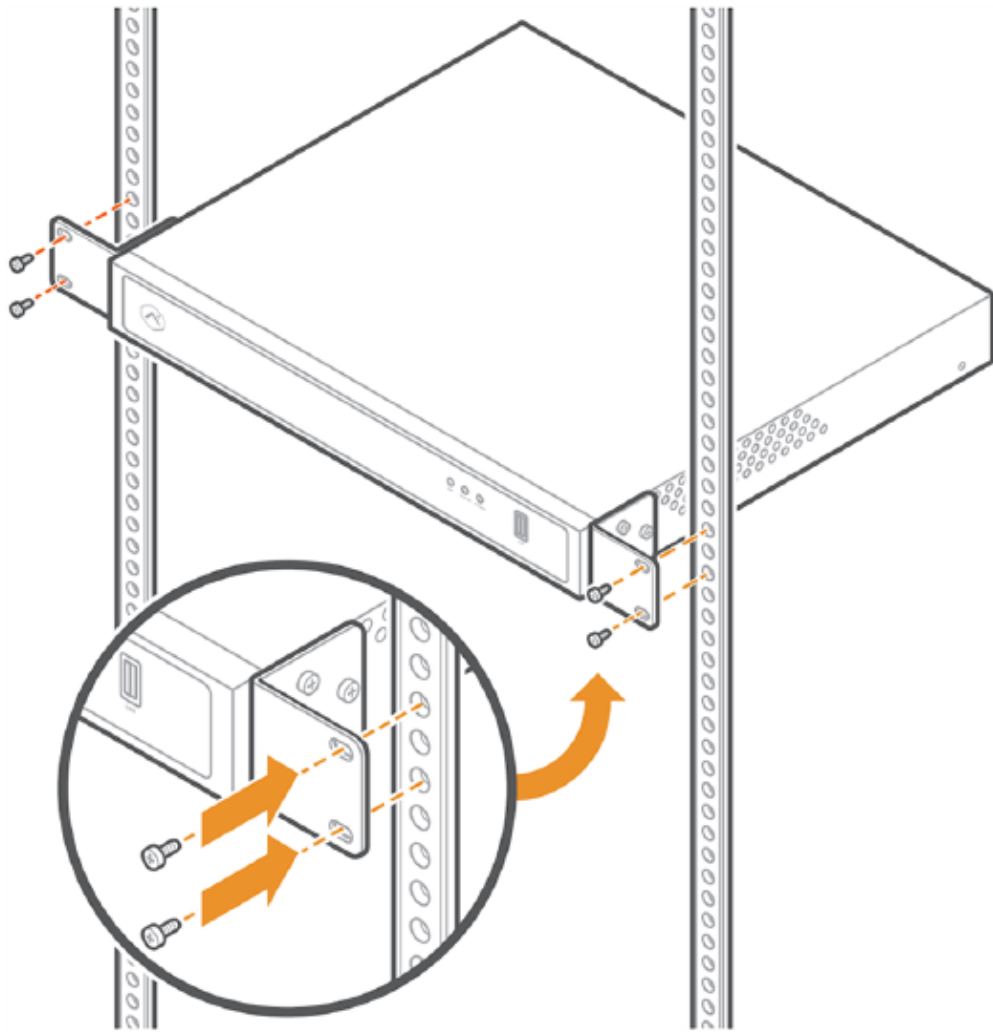
1. Gently pry off the rubber footpads from the bottom of the device.



2. Using the included screws and brackets, attach a bracket to each side of the device.



3. Using server rack screws (not included), attach the brackets to each side of the server rack.



4. Ensure that there is at least 10 in (25 cm) behind the device for proper airflow

Factory reset

When needed, the ADC-CSVR2000P/2008P/2016P can be reset to its default settings.

Important: Wait at least two minutes for the video device to power on fully before performing the following procedure. The factory reset might fail if the device is still powering on.

Reset procedure

Reset button location

Caution: Resetting the device to factory defaults may cause a loss of recorded video footage.

1. Press and hold the **[Reset]** button until the status LED starts blinking red intermittently, about 15 seconds.
2. Wait for the device to reboot.

Important: For 20XXP series CSVRs, verify that the device is on OS version 002.004.004.034.014.025+.

The **[Reset]** button is a pinhole button that is located and labeled on the back of the device, next to the fan vent.